



Contents
A-Z

Rolls-Royce Owner's Manual

G H O S T

Owner's Manual

Thank you for choosing a Rolls-Royce.

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

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 Rolls-Royce. The manual also contains information designed to enhance operating reliability and road safety, and to contribute to maintaining the value of your vehicle.

This booklet on the Integrated Owner's Manual only contains the most important information on operating the vehicle safely and using the basic vehicle functions.

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Goodwood, England

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chlorine, suitable for recycling.

Contents

The fastest way to find information on a particular topic or item is by using the index, refer to page 130.

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Notes

Using this Owner's Manual

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.

Additional sources of information

Should you have any questions, your service center will be glad to advise you at any time.

Rolls-Royce on the internet: www.rolls-roycemotorcars.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.

* Indicates special equipment, country-specific equipment and optional accessories, as well as equipment and functions not yet available at the time of printing.

"..." 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.

Your individual vehicle

You have decided in favor of a vehicle with individualized equipment and features.

This Owner's Manual also describes equipment that you may not have chosen.

All options and special equipment are marked with an asterisk *.

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

Status at publication

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

For your own safety

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 on your Rolls-Royce carried out only by a Rolls-Royce service center or a workshop that has specially trained personnel working in accordance with the specifications of the Rolls-Royce manufacturer.

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

Parts and Accessories

For your own safety, use genuine parts and accessories approved by Rolls-Royce. When you purchase accessories tested and approved by the manufacturer of the Rolls-Royce and Genuine Rolls-Royce Parts, you simultaneously acquire the assurance that they have been thoroughly tested by the manufacturer of the Rolls-Royce to ensure optimum performance when in-

stalled on your vehicle. The manufacturer for your Rolls-Royce warrants these parts to be free from defects in material and workmanship. The manufacturer of the Rolls-Royce will not accept any liability for damage resulting from installation of parts and accessories not approved by the manufacturer of your Rolls-Royce. The manufacturer of your Rolls-Royce cannot test every product made by other manufacturers to verify if it can be used on a Rolls-Royce safely and without risk to either the vehicle, its operation, or its occupants. Genuine Rolls-Royce Parts, Accessories and other products approved by the manufacturer of your Rolls-Royce, together with professional advice on using these items, are available from all Rolls-Royce dealers. Installation and operation of non-Rolls-Royce approved accessories such as alarms, radios, amplifiers, radar detectors, wheels, suspension components, brake dust shields, telephones, including operation of any mobile phone from within the vehicle without using an externally mounted antenna, or transceiver equipment, for instance, CBs, walkie-talkies, ham radios or similar accessories, may cause extensive damage to the vehicle, compromise its safety, interfere with the vehicle's electrical system or affect the validity of the Rolls-Royce Limited Warranty. See your Rolls-Royce dealer for additional information. Maintenance, replacement, or repair of the emission control devices and systems may be performed by any automotive repair establishment or individual using any certified automotive part.

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.

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 Rolls-Royce 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 Rolls-Royce 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, or contact Transport Canada by mail at: Transport Canada, ASFAD, Place de Ville Tower C, 330 Sparks Street, Ottawa ON K1A 0N5.

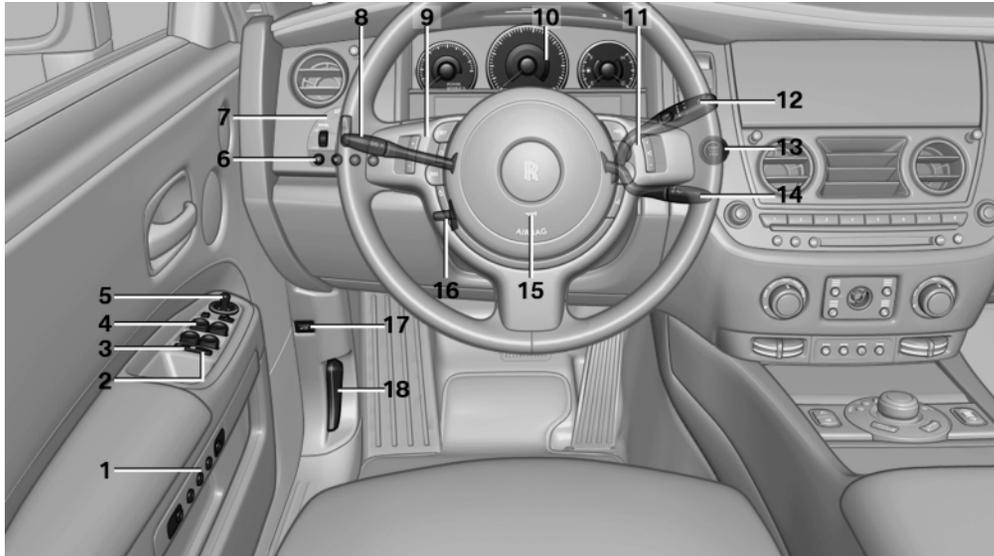
At a glance

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

All around the steering wheel



1 Seating comfort functions



Front passenger seat functionality



Seat, mirror, steering wheel memory



Active seat*

2 Curtains in rear*

3 Safety switch for rear windows and doors 41

4 Power windows

5 Exterior mirror operation

6 Driver assistance systems*



Collision warning*



Lane departure warning*



Night Vision with pedestrian detection*



Head-up Display*

7 Lamps



Parking lamps 69



Low beams 69



Automatic headlamp control 69

Daytime running lights* 70



High-beam Assistant*



Instrument lighting

8 Steering column stalk, left



Turn signal 58



High beams, headlamp flasher 58



Roadside parking lamps 70



Computer

9 Steering wheel buttons, left



Store speed



Resume speed



System on/off, interrupt



Increase distance*



Decrease distance*

10 Instrument cluster 14

11 Steering wheel buttons, right



Entertainment source



Volume



Voice activation



Telephone

12 Selector lever 62

13



Start/stop the engine and switch the ignition on/off 54

14 Steering column stalk, right



Windshield wipers 59



Rain sensor 60



Clean the windshields and headlamps 59

15 Horn

16



Adjust steering wheel

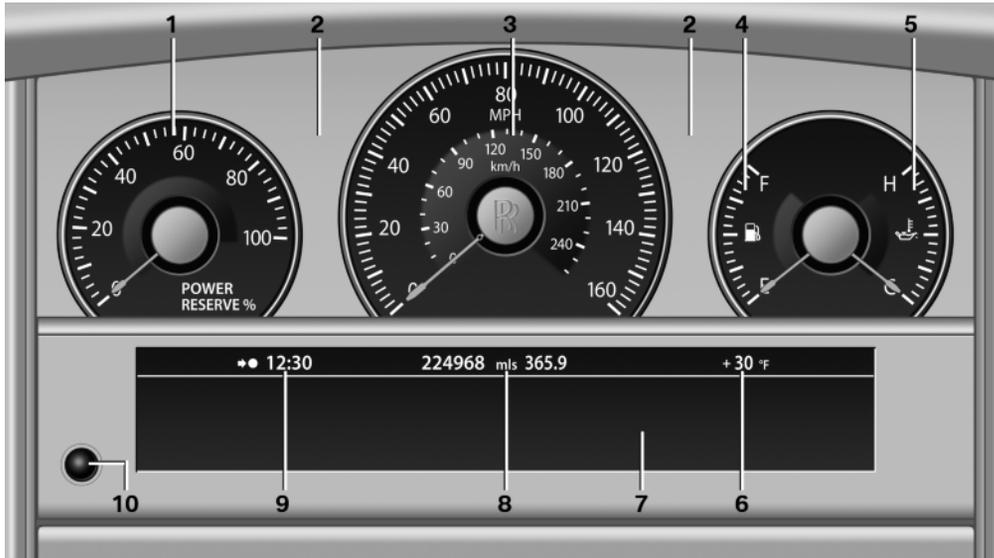
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Open the trunk lid 38

18 Unlock hood 98

Instrument cluster



- 1 Power reserve 65
- 2 Indicator/warning lamps 16
- 3 Speedometer
- 4 Fuel gauge 66
- 5 Engine oil temperature 66
- 6 External temperature 65
- 7 Electronic displays 18
- 8 Miles, trip miles 65
- 9 Computer
- 10 Reset miles 65

Indicator/warning lamps

Instrument cluster



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

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

Overview: indicator/warning lamps

Symbol	Function or system
	Turn signal
	Parking brake

Symbol	Function or system
	Automatic Hold
	High beams
	High-beam Assistant*
	Parking lamps, headlamp control
	Vehicle detection, Active Cruise Control*
	Lane departure warning*
	DSC Dynamic Stability Control
	DSC Dynamic Stability Control or DTC Dynamic Traction Control

Symbol Function or system



Tire Pressure Monitor



Safety belts



Airbag system



Engine functions



Brake system



Brake system in Canadian models



Antilock Brake System ABS



Antilock Brake System ABS in Canadian models

Text messages

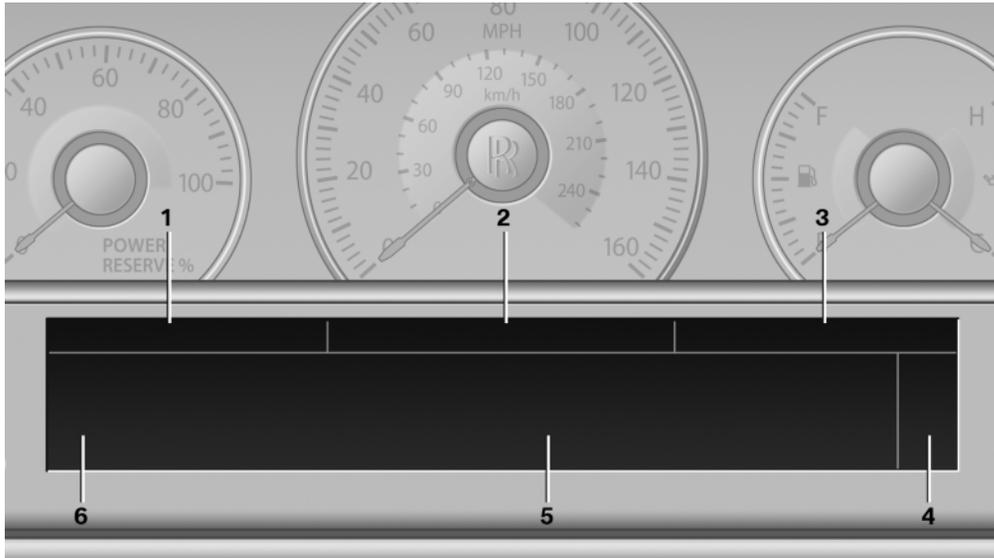
Text messages in combination with a symbol in the instrument cluster explain a Check Control message and the meaning of the indicator and warning lamps.

Supplementary text messages

Additional information on the Control Display, e.g., on the cause of a malfunction or the required action, can be called up via Check Control, refer to page 67.

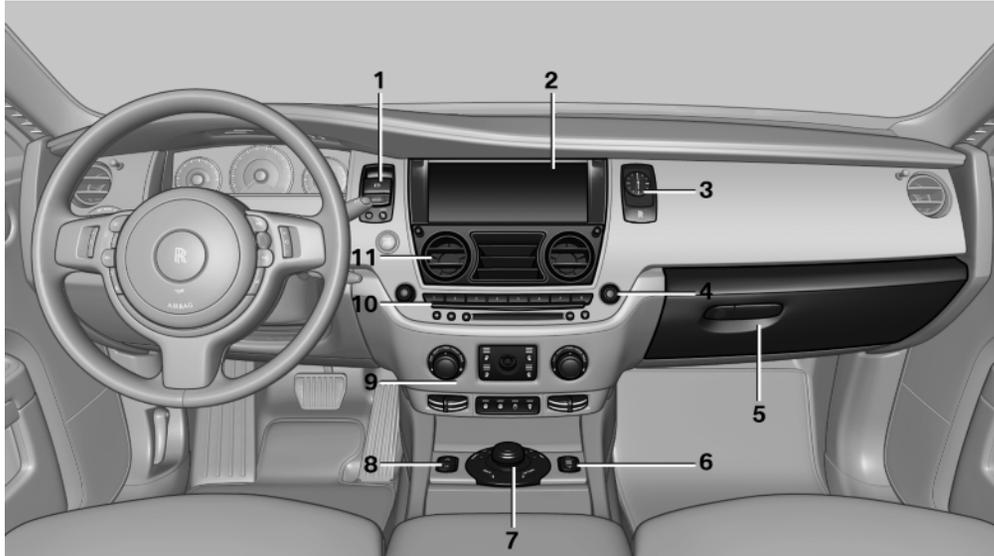
The text of urgent messages is displayed automatically.

Cockpit Instrument cluster, electronic displays



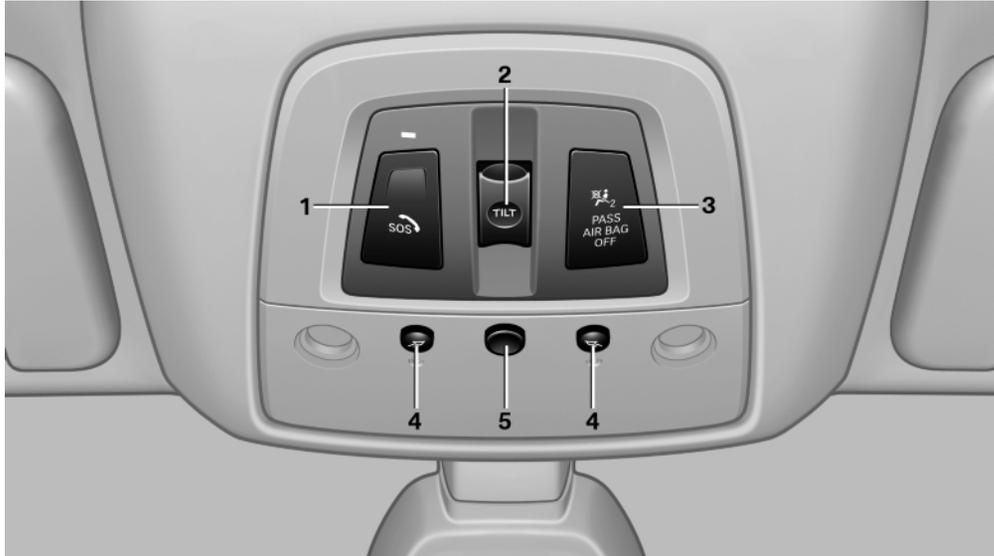
- 1 Computer
- 2 Service display
- 3 Selection list, e.g., radio
- 4 Transmission displays 64
- 5 Navigation display
- 6 Symbols and messages, e.g., warnings 67

All around the center console



- 1  Parking brake
-  Automatic Hold
-  PDC Park Distance Control
-  Backup camera*
-  Side View*
-  Top View*
- 2 Control Display 24
- 3 Clock
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- 6 Self-leveling suspension
- 7 Controller with buttons 25
- 8  Hazard warning system 107
-  Central locking system 37
- 9 Automatic climate control
- 10 Radio
CD/DVD
- 11 Air vent

All around the headliner



1



Emergency Request

4



Reading lamps

2



Panoramic glass sunroof, electric*

5

Interior lamps

3



Indicator lamp, front passenger airbag* 76

Control Center

The concept

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



Using the Control Center 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

Controls



- 1 Control Display
- 2 Controller with buttons

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

Control Display

Opening/closing the cover automatically

The cover opens automatically as soon as the Control Display is required for operation.

It closes automatically when the ignition is switched off.

Opening/closing the cover manually



Press the button.

To close the cover via the Control Center:

1.  Press the button.

2. "Close control display"

Notes

- ▶ 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.

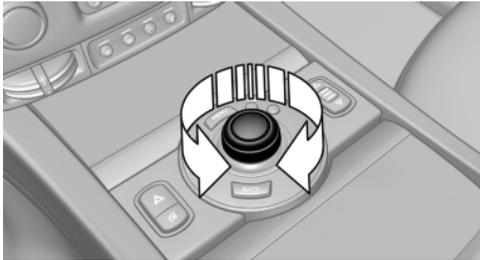
Switching on

Press the controller again to switch the screen back on.

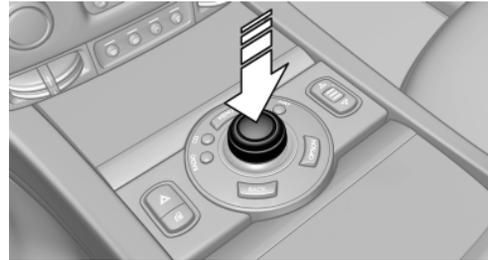
Controller

Select menu items and create settings.

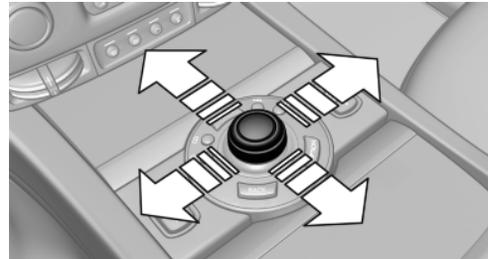
1. Turn.



2. Press.



3. Move in four directions.



Buttons on controller

Press the button	Function
MENU	Open the main menu.
RADIO	Opens the Radio menu.
CD	Opens the CD/Multimedia menu.

Press the button	Function
MAP	Opens the Navigation map view.
TEL	Opens the Telephone menu.
BACK	Displays the previous panel.
OPTION	Opens the Options menu.

Operating concept

Opening the main menu



Press the button.

The main menu is displayed.

All Control Center functions can be called up via the main menu.

Selecting menu items

Menu items shown in white 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, for instance. "Split screen".
This area remains unchanged.
- ▶ Control options for the selected main menu, e.g., for "Radio".
- ▶ If applicable, further operating options for the selected menu, e.g., "Store station".

Changing settings

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

Activating/deactivating the functions

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

The function is activated.

The function is deactivated.

Entering letters and numbers

On the Control Display:

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.
	Enter a blank space.

Switching between letters and numbers

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

Symbol	Function
	Enter the letters.
	Enter the numbers.

Switching between upper and lower case letters

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

Symbol	Function
▲ abc	Move the controller up: switch from upper to lower case letters.
▲ ABC	Move the controller up: switch from lower to upper case letters.

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.

Integrated Owner's Manual in the vehicle

Owner's Manual in the vehicle

The Owner's Manual can be displayed on the Control Display in accordance with the equipment selected.

Methods of opening the Owner's Manual

The following methods are available:

- ▷ Quick reference: "Quick reference"
- ▷ Key word search: "Owner's Manual"
- ▷ Using pictures: "Search by pictures"

1.  Press the button.
2. Turn the controller: open "Vehicle Info".
3. Press the controller.
4. Select "Quick reference", "Search by pictures" or "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-sensitive help - section of the Owner's Manual referring to the present function

The relevant information can be opened directly.

Opening via the Control Center

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 and opened directly on the Programmable memory buttons.

Storing

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

Executing

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

Controls

This chapter contains basic information on driving the vehicle and safety.



Opening and closing

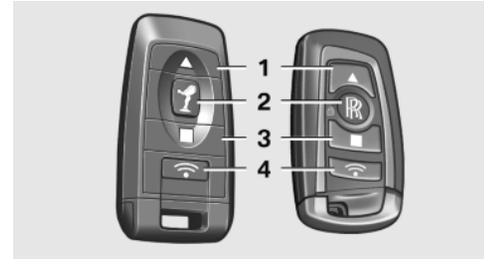
Remote control/key

Scope of delivery



- 1 Remote control with key
- 2 Light remote control with key

Buttons on the remote control



- 1 Unlocking
- 2 Locking
- 3 Opening the trunk lid
- 4 Panic mode*, headlamp courtesy delay feature

General information

The vehicle is supplied with two remote controls with keys. Every remote control contains a replaceable battery.

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

In addition, information about service requirements is stored in the remote control, refer to Service data in the remote control.

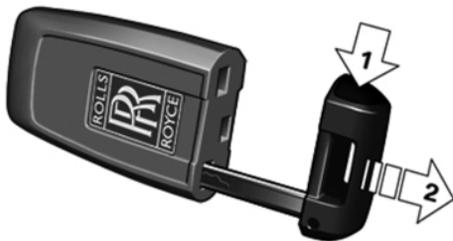
Integrated key

The integrated key fits the following locks:

- ▷ Driver's door.
- ▷ Trunk lid.
- ▷ Glove compartment.

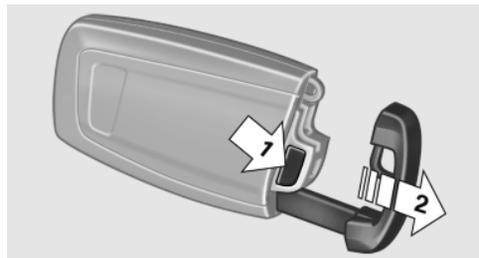
The glove compartment contains a switch for separately securing the trunk lid, refer to page 40.

Remote control with key



Press the button on the side of the integrated key, arrow 1, and pull out the key, arrow 2.

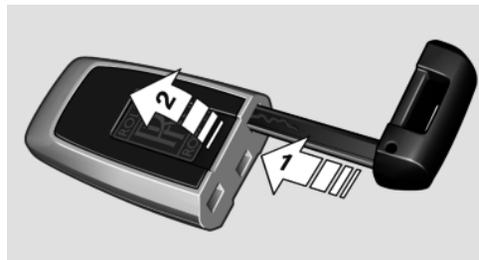
Light remote control with key



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

Replacing the battery

The battery replacement procedure is the same for both remote controls.



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; see 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

You can obtain new remote controls from your service center.

Loss of the remote controls

Lost remote controls can be blocked by your service center.

Emergency detection of remote control

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

- ▷ Interference of radio transmission to remote control by external sources.
- ▷ Discharged battery in the remote control.

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

Starting the engine in case of emergency detection of remote control



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.

Opening and closing: from the outside

Using the remote control

General information



Take the remote control with you

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

Unlocking



Press the button.

The vehicle is unlocked.

You can set how the vehicle is to be unlocked.

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

On the Control Display:

1. "Settings"
2. "Door locks"
3. "Unlock button:"
4. Select the desired function:

- ▶ "Driver's door only"

Only the driver's door and the fuel filler flap are unlocked. Pressing again unlocks the entire vehicle.

- ▶ "All doors"

The entire vehicle is unlocked.

Convenient opening

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



Press and hold the button on the remote control.

The windows and the glass sunroof* open.

Releasing the button stops the motion.

Locking



Press the button on the remote control.



Locking from the outside

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

Switching on the interior lamps, courtesy lamps, and welcome lamps



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

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 on the headlamp courtesy delay feature



Briefly press the button on the remote control.

The duration can be set in the Control Display.

Opening the trunk lid



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

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

During opening, the trunk lid pivots back and up.

Ensure that adequate clearance is available before opening.

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

To avoid locking yourself out of the vehicle, do not place the remote control into the cargo area. The trunk lid is locked again as soon as it is pushed closed.

Confirmation signals from the vehicle

On the Control Display:

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

Malfunction

If the vehicle can no longer be locked or unlocked with the remote control, the battery may be discharged or there may be

interference from external sources such as mobile phones, metal objects, overhead power lines, transmission towers, etc. If this occurs, unlock or lock the vehicle at the door lock using the key.

For US owners only

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

FCC ID:

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

Compliance statement:

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

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

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

Using the door lock

General information



Locking from the outside

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

In some country-specific versions, the alarm system* is triggered if the vehicle is unlocked via the door lock.

Unlock the vehicle using the remote control to switch off the alarm.

Manual operation

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

Convenience operation*

The door lock can be used to simultaneously operate the windows and the glass sunroof*.

Opening/closing

With the door closed, turn the key to the Unlock or Lock position and hold it there.

Turning the key back to the original position stops the motion.



Monitor the closing process

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

Opening and closing: from the inside



Unlocking and opening*

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

Locking and unlocking



Press the button in the vehicle.

The doors and the trunk lid are locked or unlocked when the front doors are closed, but they are not secured against theft.

The fuel filler flap remains unlocked.

You can set how the vehicle is to be unlocked, unlocking, refer to page 35.

Automatic locking

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

On the Control Display:

1. "Settings"
2. "Door locks"
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. to drive"

The vehicle locks automatically after you drive away.

Trunk lid

Automatic lid operation

Opening, general information

The trunk lid opens fully, swinging back and up as it opens.

Ensure that adequate clearance is available before opening.

The opening procedure is interrupted:

- ▷ When the vehicle starts moving.
- ▷ By pressing the button on the inside of the trunk lid.

Opening from the outside



- ▷ Press the button on the trunk lid.
- ▷  Press the button on the remote control for approx. 1 second.
Pressing the button again stops the motion.

Opening from the inside



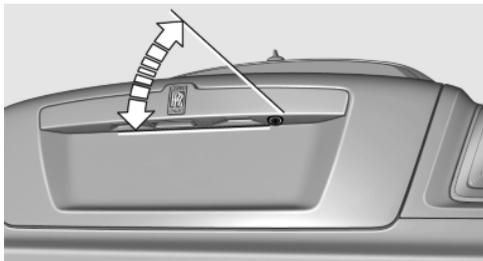
Press the button on the A-pillar in the vehicle.

Pressing the button again stops the motion.

If the vehicle is stationary, the trunk lid opens if it is not locked.

Manual release

All of the vehicle's keys fit the trunk lid lock located on the right on the underside of the handle.



Turn the key all the way to the left. The trunk lid unlocks.

To avoid locking yourself out of the vehicle, do not place the key or remote control in the cargo area.

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

Closing



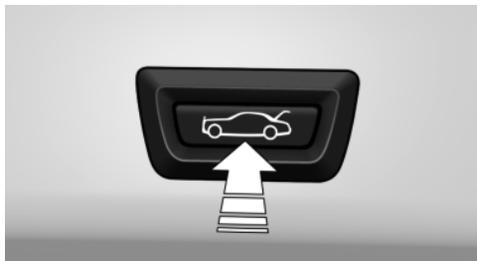
Danger of pinching

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



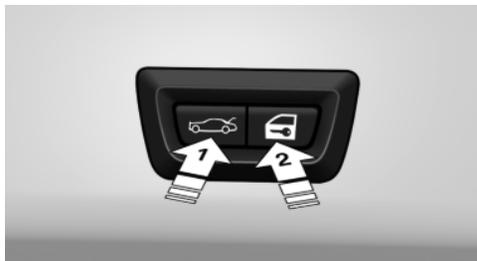
Do not place the remote control in the cargo area

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



- ▷ Press the button on the inside of the trunk lid. The trunk lid closes automatically. Pressing again stops the motion.

With Comfort Access:



- ▷ Press the button, arrow 1, on the inside of the trunk lid. The trunk lid closes automatically.

Pressing again stops the motion.

- ▶ Press the button, arrow 2.
The trunk lid closes automatically and the vehicle is locked.



- ▶ Press the button on the exterior of the trunk lid.
Pressing again stops the motion.
- ▶  Press and hold the button on the remote control.
Releasing the button stops the motion.

The closing process is not interrupted when the vehicle starts moving.

Manual operation

If an electrical malfunction occurs:

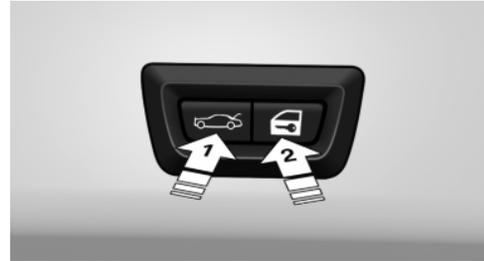
1. Manually unlock the trunk lid, refer to page 39.
2. Open or close the trunk lid slowly and smoothly.

Automatic Soft Closing

To close it completely, push the trunk lid down lightly.

It is closed automatically.

Locking the vehicle*



Press the button, arrow 2, on the inside of the trunk lid.
The trunk lid closes automatically and the vehicle is locked.

Locking separately

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

In this case, it is independent of the central locking system.



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

When the glove compartment is locked, the trunk lid cannot be accessed. This is beneficial when the vehicle is parked using valet service. The infrared remote control can be handed out without the key.

Hood ornament

The hood ornament remains in the selected position.

Emergency unlocking*



Pull the handle inside the cargo area.

The trunk lid unlocks.

Safety switch

The following functions can be locked simultaneously, using the switch:

- ▷ Opening and closing of the rear windows using the switches in the rear.
- ▷ Automatic Soft Close System.
- ▷ The rear doors can only be opened from the outside.
- ▷ Adjustment of the power rear seats*.
- ▷ Adjustment of the power head restraints* in the rear.

Switching on and off



Press the button.

The LED lights up if the safety function is switched on.



Safety switch for rear operation

Press the safety switch when transporting children in the rear; otherwise, injury may result if the windows are closed without supervision. ◀

Adjusting **Adjusting**

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 43.
- ▷ Head restraints, refer to page 45.
- ▷ Airbags, refer to page 72.

Front seats

Adjusting



Do not adjust the seat while driving

Never attempt to adjust the driver's seat while driving.

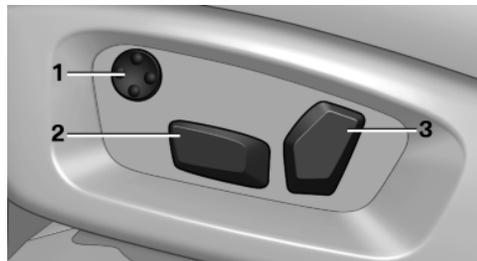
The seat could respond with unexpected movement and the ensuing loss of vehicle control could lead to an accident.◀



Do not incline the backrest too far to the rear

Do not incline the backrest on the front passenger side too far to the rear during driving. Otherwise, there is the danger of sliding under the safety belt in an accident. This would eliminate the protection normally provided by the belt.◀

At a glance

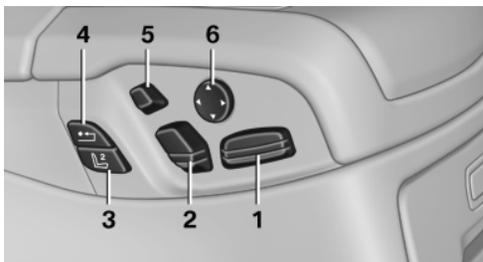


- 1 Lumbar support
- 2 Forward/back, height, tilt
- 3 Backrest, head restraint

Rear seats

Adjusting*

At a glance



- 1 Forward/backward, tilt
- 2 Backrest
- 3 Adjust front passenger seat
- 4 Reset to standard position
- 5 Head restraint, shoulder support
- 6 Lumbar support

The seats cannot be adjusted if the safety switch for the power windows has been pressed.

Reset* to standard position



Maintain pressure on the button until the system completes the adjustment.

Safety belts

Seats with safety belt

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

Notes

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

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

- ▷ The shoulder strap's anchorage point will be correct for adult seat occupants of every build if the seat is correctly adjusted.
- ▷ The two outer safety belt buckles, integrated into the rear seat, are for passengers sitting on the left and right.
- ▷ The center rear seat belt buckle marked with the letters CENTER* is solely intended for the center passenger.



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.

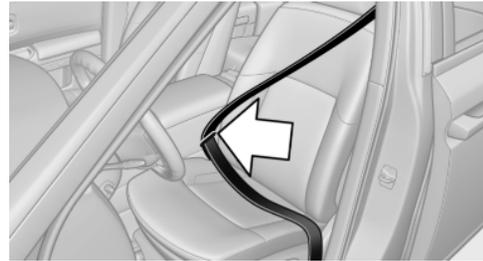
The safety belt must not lie across the neck, rub on sharp edges, be routed over solid or breakable objects, or be pinched. ◀



Reduction of restraining effect

Avoid wearing clothing that prevents the belt from fitting properly, and pull the shoulder belt periodically to readjust the tension across your lap; otherwise, the retention effect of the safety belt may be 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 the driver's and front passenger seat



The indicator lamp flashes or 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. 5 mph/8 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. ◀

Front head restraints

Correctly adjusted head restraint

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

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



Adjusting the head restraint

Adjust the head restraint correctly; otherwise, there is an increased risk of injury in an accident. ◀

Active head restraint

In the event of a rear-end collision with a certain severity, the active head restraint automatically reduces the distance from the head.



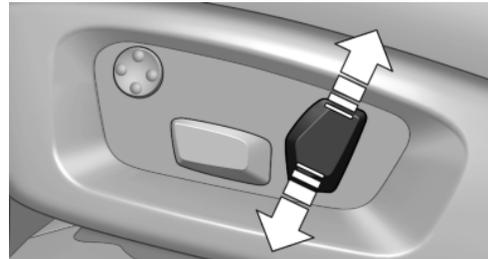
Reduced protective function

- ▶ Do not use seat or head restraint covers.
- ▶ Do not hang objects, e.g., clothes hangers, on the head restraints.

- ▶ Do not attach accessories to the seat or head restraint.

Otherwise, the protective function of the active head restraint will be impaired and the personal safety of the occupants will be endangered. ◀

Adjusting the height



Adjusting electrically.

Removing

The head restraints cannot be removed.

Rear head restraints

Correctly adjusted head restraint

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

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

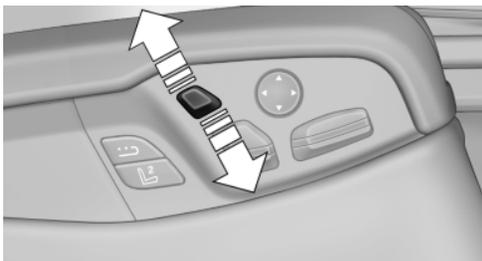


Adjusting the head restraint

Adjust the head restraint correctly; otherwise, there is an increased risk of injury in an accident. ◀

Adjusting the height: electrical*

- ▶ The head restraints on the left and right rear passenger seats extend automatically whenever a passenger in the rear seat fastens his or her safety belt.



- ▶ In addition, the height of the head restraint can be adjusted electrically.



Extending the head restraint

To prevent possible personal injury and property damage, always ensure that the area above the head restraints is clear and unobstructed before extending them upward. ◀

The height adjustment of the head restraint is deactivated when the safety switch for the rear windows, refer to page 41, has been pressed.

Removing: Electrical* head restraints

Note

Do not remove the rear head restraints.

To avoid damage, they can only be installed by your service center.

Removing

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

1. Move the backrest and shoulder support to their forward-most position.
2. Completely raise the head restraint.
3. Completely pull out the head restraint with a firm tug.



Before transporting passengers

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

Mirrors

Exterior mirrors

General information

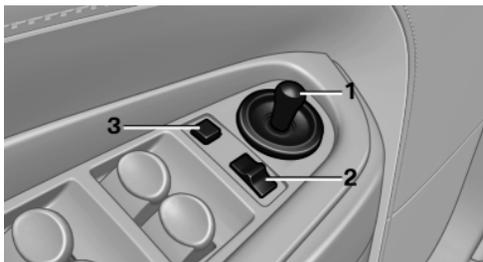
The mirror on the passenger side is more curved than the driver's side mirror.



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 lever is pressed.

Adjusting manually

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

Automatic Curb Monitor

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

Activating

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

Deactivating

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

Fold in and out



Press the button.

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

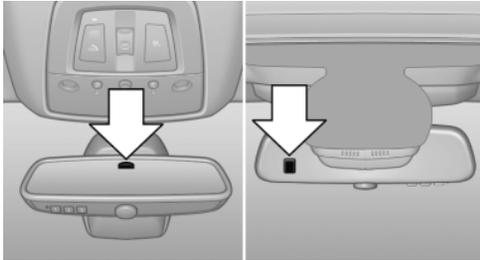
For example, this is advantageous

- ▷ 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 entering an automatic car wash, fold in the exterior mirrors by hand or with the button; otherwise, they could be damaged, depending on the width of the vehicle. ◀

Interior mirror, automatic dimming feature



Photocells are used for control:

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

For proper operation:

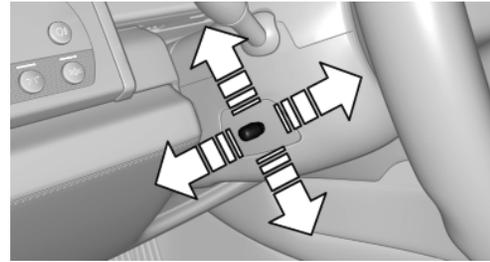
- ▷ Keep the photocells clean.
- ▷ Do not cover the area between the inside rearview mirror and the windshield.

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



The steering wheel can be adjusted in four directions.

Transporting children safely

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 75.

Installing child restraint fixing systems

Before mounting

If the rear seat backrests are adjustable:

Before mounting child restraint fixing systems, return all of the rear seat backrests to the basic position.

Notes



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.◀

On the front passenger seat

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.



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. ◀

Child seat security



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

Locking the safety belt

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

Unlocking the safety belt

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

LATCH child restraint fixing system

LATCH: Lower Anchors and Tether for CHildren.

Note



Manufacturer's information for LATCH child restraint fixing systems

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

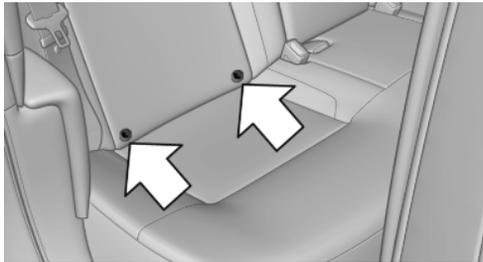
Mounts for the lower LATCH anchors



Correctly engage the lower LATCH anchors

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

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



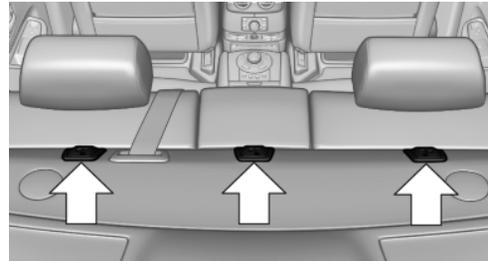
Mounts for the lower LATCH anchors are located in the gap between the seat and backrest.

Mounting LATCH child restraint fixing systems on power rear seats*

1. Before mounting, adjust the seats to their basic position, refer to page 43.
2. For better accessibility, tilt the backrest back slightly.
3. Mount the child restraint fixing system; refer to the operating instructions of the system.
4. Ensure that both LATCH anchors are properly connected.
5. After mounting, move the backrest back up slightly so that the child restraint fixing system rests lightly against the backrest.

Child restraint fixing system with a tether strap

Mounting points



For child restraint fixing systems with a tether strap, there are three mounting points.



LATCH mounting eyes

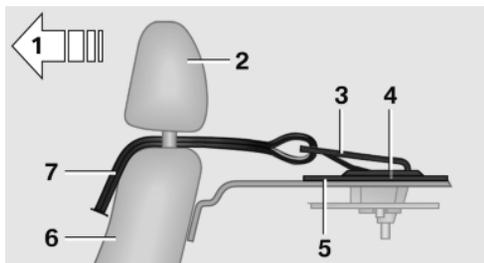
Only use the mounting eyes for the upper LATCH retaining strap to secure child restraint fixing systems; otherwise, the mounting eyes could be damaged. ◀

Retaining strap guide



Retaining strap

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



- 1 Direction of travel
- 2 Head restraint.
- 3 Hook for upper retaining strap
- 4 Mounting point/eye
- 5 Rear window shelf
- 6 Seat backrest
- 7 Upper retaining strap

Attaching the upper retaining strap to the mounting point

1. Remove the mounting point cover.
2. Raise the head restraint.
3. Guide the upper retaining strap between the supports of the head restraint.
4. Attach the hooks of the retaining strap to the mounting eyes.
5. Tighten the retaining strap by pulling it down.
6. Lower the head restraint.

Securing doors and windows

Safety switch for the rear



Press the button on the driver's door if children are being transported in the rear.

This locks various functions so that they cannot be operated from the rear: safety switch, refer to page 41.

Driving

Start/Stop button

The concept



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

The engine starts if the brake pedal is pressed when you press the Start/Stop button.

Ignition on

Press the Start/Stop button and do not press on the brake 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.

The ignition switches off automatically:

- ▷ When the vehicle is locked, if the low beams are switched on.
- ▷ Shortly before the battery is discharged completely, so that the engine can still be started.

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

Ignition off

Press the Start/Stop button again and do not press on the brake 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 the ignition is switched off, position P is engaged automatically. When in an automatic car wash, for example, ensure that the ignition is not switched off accidentally. ◀

When the vehicle is locked using the central locking system, the ignition switches off automatically.

Radio ready state

This state can only be reached by pressing the Start/Stop button briefly to switch off the engine while it is running.

Some electronic systems/power consumers remain ready for operation.

Radio ready state switches off automatically:

- ▷ After approx. 8 minutes.
- ▷ When the vehicle is locked using the central locking system.

Starting the engine

General information



Enclosed areas

Do not let the engine run in enclosed areas; otherwise, breathing of 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 car unattended with the engine running; otherwise, it presents a potential source of danger.

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



Frequent starting in quick succession

Avoid repeated futile attempts at starting the car and avoid starting the car frequently in quick succession. Otherwise, the fuel is not burned or is inadequately burned, and there is the danger of overheating and damaging the catalytic converter. ◀

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

Starting the engine



Press on the brake pedal and press the Start/Stop button.

The engine is cranked until it starts.

Engine stop

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 windows and injure themselves. ◀



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. ◀

Switching off the engine

1. Engage transmission position P with the vehicle stopped.
2. Press the Start/Stop button.
The engine is switched off.
The radio ready state is switched on.

3. Set the parking brake.

Before driving into a car wash

The vehicle is able to roll when the following steps are adhered to:

1. Depress the brake pedal.
2. Engage transmission position N.
3. Release the parking brake or deactivate Automatic Hold.
4. Switch the engine off.



Transmission position P with the ignition off

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

Transmission position P is engaged automatically:

- ▷ When the ignition is switched off.
- ▷ After approx. 15 minutes if the vehicle is not moved.

Parking brake

The concept

The parking brake is used to prevent the vehicle from rolling when it is parked.

- ▷ Engine switched off: the parking brake acts on the rear wheels.

- ▷ Engine running: the parking brake acts on the disc brakes of the front and rear wheels via the hydraulic brake system.

The parking brake can be set manually or automatically:

- ▷ Manual: by pulling and pushing the switch.
- ▷ Automatic: by activating Automatic Hold.



Setting



Pull the switch.



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



Indicator lamp in Canadian models

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. ◀

While driving

Use while driving:

Pull the switch and hold it. The vehicle brakes hard while the button is being pulled.

PARK

The indicator lamp lights up in red, a signal sounds and the brake lamps light up.

Indicator lamp in Canadian models

If the vehicle is braked to a speed of approx. 2 mph/3 km/h, the parking brake remains set.

Releasing



Press the switch while the brake pedal is pressed or transmission position P is engaged.

The indicator lamp goes out.

The parking brake is released.



Take the remote control with you

Take the remote control with you when leaving the vehicle so that children, for example, cannot release the parking brake. ◀

Manual release

The parking brake can be released manually in the event of a power failure or electrical fault.



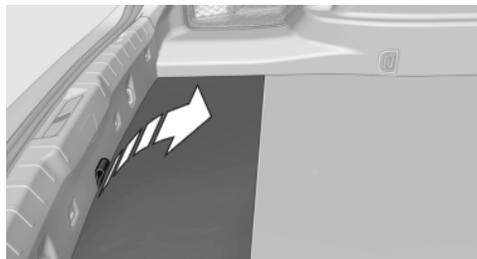
Before releasing, secure the vehicle against rolling

Before releasing the parking brake manually, and whenever you park the vehicle with the parking brake released, ensure that position P of the automatic transmission is engaged.

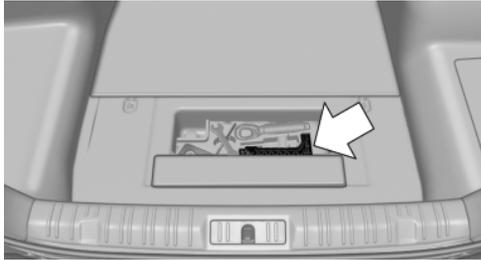
Secure the vehicle in a manner appropriate to the inclination of the road, e.g., with a wheel chock; otherwise, there is the danger of the vehicle rolling. ◀

Unlocking

1. Raise the floor panel in the cargo area.



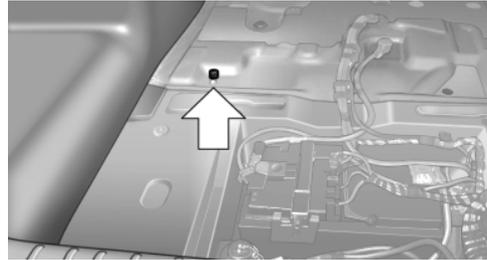
2. Remove the release tool from the tool kit.



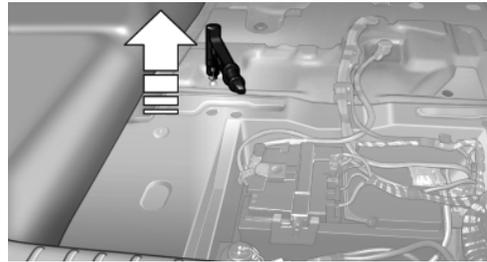
3. Take out the floor trim in the cargo area, removing the plastic nuts with the release tool, arrows.



4. Place the release tool on the release point, arrow.



5. Forcefully pull the release tool up against the resistance until you notice a marked increase in the resistance and the parking brake releases audibly.



Have the malfunction corrected

If the parking brake has been released manually in response to a malfunction, only technicians can return it to operation.

Have the malfunction corrected by your service center. ◀

After a power failure



Only put the parking brake into operation after a power failure

The parking brake should only be put into operation again if it was manually released due to an interruption in the supply of electrical power. Otherwise, it cannot be ensured that the parking brake will function properly. ◀

Putting the parking brake into operation

1. Switch on the ignition.
2.  Press the switch while the brake is depressed or transmission position P is engaged.

It may take several seconds for the brake to be put into operation. Any sounds associated with this are normal.



The indicator lamp in the instrument cluster goes out as soon as the parking brake is ready for operation.

Indicator lamp in Canadian models.

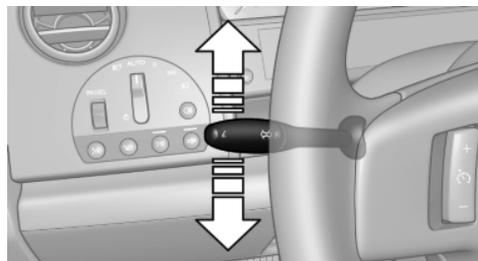
Malfunction

In the event of a failure or malfunction of the parking brake, secure the vehicle against rolling using a wheel chock, for example, when leaving it.

Turn signal, high beams, headlamp flasher

Turn signal

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:

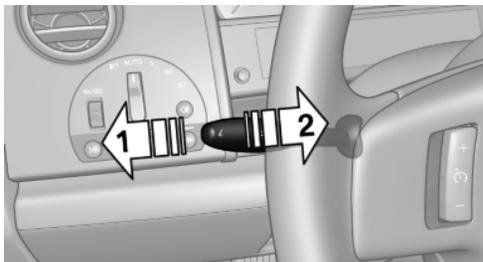
On the Control Display:

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

Signaling briefly

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

High beams, headlamp flasher



- ▷ High beams, arrow 1.
- ▷ Headlamp flasher, arrow 2.

Washer/wiper system

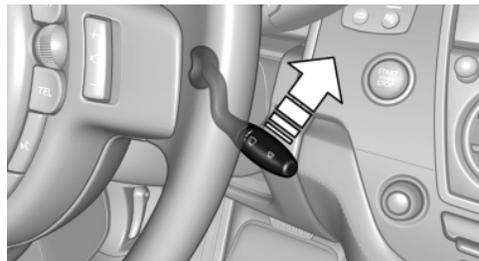
Switching the wipers on/off and brief wipe



Do not switch on the wipers if frozen

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

Switching on

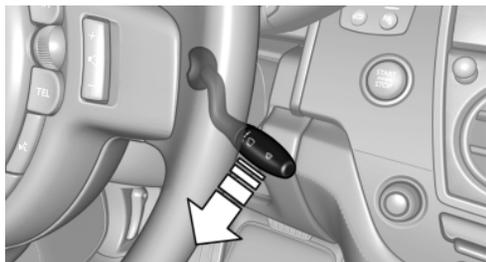


Press the wiper levers up.

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.

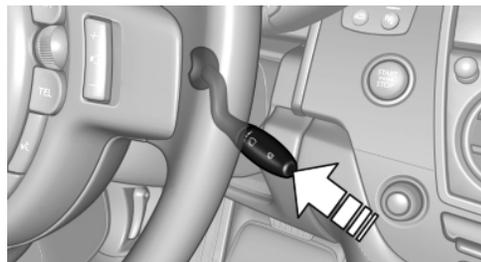
- ▷ Brief wipe: press down once.
- ▷ To switch off normal wipe: press down once.
- ▷ To switch off fast wipe: press down twice.

Rain sensor

The time between wipes is controlled automatically and depends on the intensity of the rainfall.

The sensor is located on the windshield, directly in front of the interior rearview mirror.

Activating/deactivating the rain sensor



Press the button on the wiper lever.

When activated, the wipers move over the windshield once.

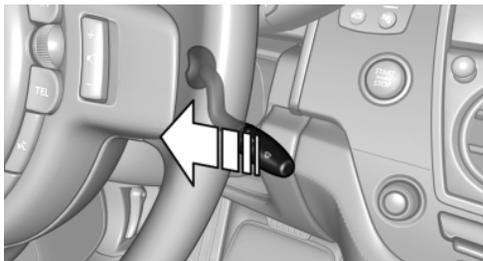
The LED in the steering column stalk lights up.



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. ◀

Washing the windshield, headlamps



Pull the 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 washer jets are automatically heated* whenever 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 off the ignition.
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. Therefore, keep it away from sources of ignition.

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

Follow the instructions on the container. ◀

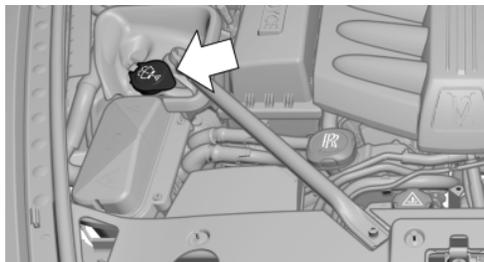
Washer fluid reservoir



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 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.

Capacity

Approx. 5.3 US quarts/ 5 liters.

Automatic transmission

Transmission positions

D Drive, automatic position

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

R is Reverse

Select only when the vehicle is stationary.

N is Neutral

Use in automatic car washes, for example. The vehicle can roll. When the ignition is switched off, refer to page 53, position P is engaged automatically.

P Park

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

P is engaged automatically:

- ▷ After the engine is switched off, if the car is in radio ready state, refer to page 53, or if the ignition is switched off, refer to page 53, and if position R or D is engaged.

- ▷ If the ignition is switched off and position N is engaged.
- ▷ If the vehicle is standing with position R or D engaged and you unfasten the belt of the driver's seat and open the driver's door.

Kickdown

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

Low mode — shifting down one gear

Low mode is recommended when the braking action of the engine needs to be increased, for instance on steep downhill gradients.

In low mode, the transmission continues shifting automatically, but generally in a lower gear than in the normal D position.

Activating



Press the LOW button on the selector lever to activate low mode.

Deactivating

To deactivate low mode:

- ▷ Press the LOW button on the selector lever again.
- ▷ Move the selector lever to position D.
- ▷ Switch the engine off.

Engaging the transmission position

- ▷ It is not possible to shift out of transmission position P until the engine is running and the brake is applied.
- ▷ With the vehicle stationary, press on the brake pedal before shifting out of P or N; otherwise, the shift command will not be executed: shift lock.

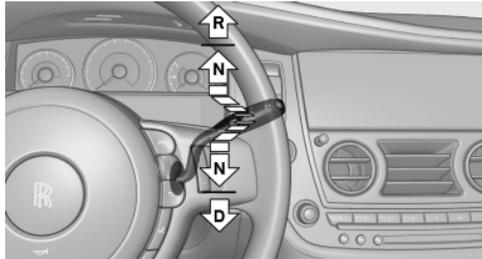


Depress the brake until you start driving

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

The engaged position is displayed in the instrument cluster.

Engaging D, R and N



Pull the selector level toward you slightly and engage the desired position:

- ▷ N Neutral:
To the resistance point, arrow N.
- ▷ D Drive:
Downward past the resistance point, arrow D.
- ▷ R Reverse:
Upward past the resistance point, arrow R.

Engaging P



Press button P.

Displays in the instrument cluster



The transmission position is displayed, for instance, P.

Displays

Instrument cluster

Power reserve



This display indicates the drive power available to the vehicle as a percentage of its total power.

The indicator shows 100% when the vehicle is idling. While driving, the value drops depending on the vehicle speed, acceleration and the road gradient.

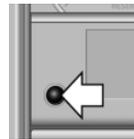
The value can be used to assess the vehicle's capacity to accelerate, e. g., when passing or on mountain roads.

The power reserve display does not relate directly to the level of fuel consumption.

Odometer and trip odometer



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



Press the knob.

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

External temperature

External temperature warning



If the display drops to $+37\text{ °F}/+3\text{ °C}$, a signal sounds.

A Check Control message is displayed.

There is the increased danger of ice.



Ice on roads

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

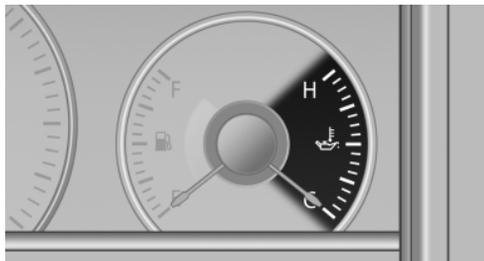
Therefore, drive carefully on bridges and shady roads, for example, to avoid the increased danger of an accident. ◀

Coolant temperature

Should the coolant, and with it the engine, become too hot, a Check Control message is displayed.

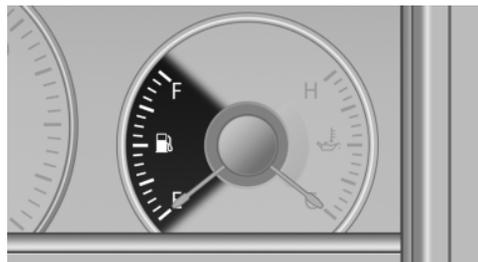
Check the coolant level, refer to page 101.

Engine oil temperature



- ▷ Cold engine: the pointer is in the lower quarter. Drive at moderate engine and vehicle speeds.
- ▷ Normal operating temperature: the pointer is in the middle area.
- ▷ Hot engine: the pointer is in the upper quarter. A Check Control message is displayed in addition.

Fuel gauge



Fuel tank capacity: approx. 21.8 US gal/82.5 liters

The vehicle inclination may cause the display to vary.

Notes on refueling, refer to page 84.

Range



After the reserve range is reached:

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

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



Refuel promptly

Refuel no later than at a range 30 miles/50 km, or engine functions are not ensured and damage may occur. ◀

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 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.

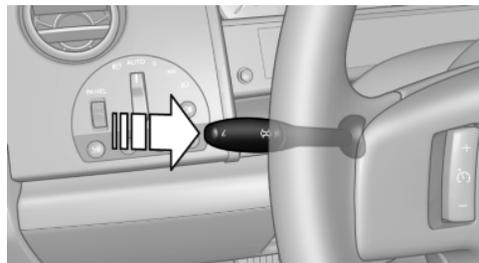
Text messages

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

Addition 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 displayed automatically. It is shown on the Control Display.

Hiding Check Control messages



Press the 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

On the Control Display:

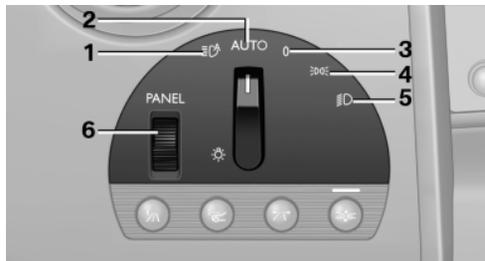
1. "Vehicle Info"
2. "Vehicle status"
3.  "Check Control"
4. Select the text message.

Messages after trip completion

Malfunctions indicated during a trip are displayed again after the ignition is switched off.

Lamps

At a glance



- 1 High-beam Assistant*
- 2 Automatic headlamp control/adaptive light control*/welcome lamps/daytime running lights*
- 3 Lamps off/daytime running lights*
- 4 Parking lamps/daytime running lights*
- 5 Low beams/welcome lamps
- 6 Instrument lighting

Parking lamps/low beams, headlamp control

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 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 road-side parking lamps, refer to page 70.

Low beams

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

Automatic headlamp control

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

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



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*

The daytime running lights light up in position 0,  and **AUTO**. After the ignition is switched off, the parking lamps light up in position .

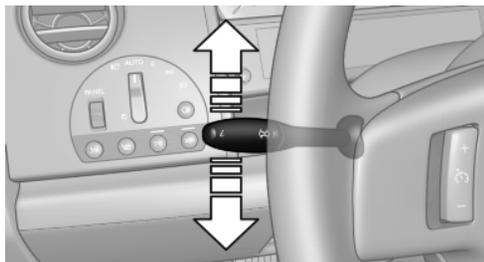
Activating/deactivating

On the Control Display:

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.

Interior lamps

General information



- 1 Interior lamps
- 2 Reading lamp

Airbags



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

Front airbags

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

Side airbags

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

Head airbags

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

Knee airbag

The knee airbag supports the legs in a frontal impact.

Protective action

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



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

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

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

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



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

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

Only have the airbags checked, repaired or dismantled and the airbag generator scrapped by your 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.

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, see 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 objects under the seat that could press against the seat from below.

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.

The system generally detects children seated in a child seat, especially in the child seats that were required by NHTSA when the vehicle was manufactured. After installing a child seat, make sure that the indicator lamp for the front passenger airbags lights up. This indicates that the child seat has been detected and the front passenger airbags are not activated.

Strength of the driver's and front passenger airbag

The strength with which the driver's and front passenger airbags are triggered depends on the position of the driver's and front passenger seats.

To maintain the accuracy of this function over the long-term, calibrate the front seats when a corresponding message appears on the Control Display.

Calibrating the front seats

A corresponding message appears on the Control Display.

1. Move the respective seat forward all the way.
2. Move the respective seat forward again. It moves forward briefly.
3. Readjust the seat to the desired position.

The calibration procedure is completed when the message on the Control Display disappears.

If the message continues to be displayed, repeat the calibration.

If the message does not disappear after a repeat calibration, have the system checked as soon as possible.



Unobstructed area of movement

Ensure that the area of movement of the seats is unobstructed to avoid personal injury or damage to objects. ◀

Tire Pressure Monitor TPM*

The concept

The tire inflation pressure is measured in the four mounted tires. The system notifies you if there is a significant loss of pressure in one or more tires.

Functional requirements

The system must have been reset when the inflation pressure was correct; otherwise, reliable signaling of a flat tire is not ensured. Always use wheels with TPM electronics to ensure that the system will operate properly. Reset the system after each correction of the tire inflation pressure and after every tire or wheel change.

System limits



Sudden tire damage

Sudden serious tire damage caused by external influences cannot be indicated in advance. ◀

The system does not operate correctly if it has not been reset. For example, a flat tire may be indicated despite correct tire inflation pressures.

The system is inactive and cannot indicate a flat tire:

- ▷ For a mounted wheel without TPM electronics.
- ▷ When the TPM is disturbed by other systems or devices with the same radio frequency.

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.

On the Control Display:

1. "Vehicle Info"
2. "Vehicle status"
3. (!) "Tire Pressure Monitor - TPM"

The status is displayed.

Status display

The tire and system status is indicated by the color of the tires. A change in the tire inflation pressure during driving is taken into account.

A correction is only necessary if indicated by TPM.

Green

The tire inflation pressure is equal to the target state.

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.

- ▷ The system was not reset after a wheel change and thus warns based on the inflation pressures initialized last.
- ▷ A flat tire in one or more tires while the system is being reset.

Gray

The system cannot detect a flat tire. Reasons for this may be:

- ▷ TPM is being reset.
- ▷ Disturbance by systems or devices with the same radio frequency.
- ▷ Malfunction.

Status information

The status display additionally shows the current tire inflation pressures and tire temperatures.

When correcting the tire inflation pressures, note the following:

The tire pressure increases as the tire temperature increases.

Therefore, only correct the tire inflation pressure when the tire is at the ambient temperature. Compare the displayed tire temperature with the external temperature in the instrument cluster.

Resetting the system

Reset the system after each correction of the tire inflation pressure and after every tire or wheel change.

On the Control Display:

1. "Vehicle Info"
2. "Vehicle status"
3.  "Reset TPM"
4. Start the engine - do not drive away.
5. Reset the tire pressure using "Reset".
6. Drive away.

The tires are shown in gray and "Resetting TPM..." is displayed.

After driving for a few minutes, the set tire inflation pressures are applied as set values. The resetting process is completed automatically during driving. The tires are shown in green and "TPM active" is shown on the Control Display.

The trip can be interrupted at any time. If you drive away again, the process resumes automatically.

If a flat tire is detected during a reset, all tires are displayed in yellow.

Low tire pressure message



The yellow warning lamp and the vehicle symbol light up. An additional text message is displayed. In addition, a signal sounds.

- ▷ There is a flat tire or a major loss in tire inflation pressure.
 - ▷ The system was not reset after a wheel change and thus warns based on the inflation pressures initialized last.
1. Reduce your speed and stop cautiously. Avoid sudden braking and steering maneuvers.

2. Check whether the vehicle is fitted with regular tires* or run-flat tires*.
Run-flat tires, refer to page 93, are labeled with a circular symbol containing the letters RSC marked on the tire sidewall.

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

Actions in the event of a flat tire

Normal tires*

1. Identify the damaged tire.
Do this by checking the air pressure in all four tires.
If the tire inflation pressure in all four tires is correct, the Tire Pressure Monitor may not have been initialized. In this case, initialize the system.
If an identification is not possible, please contact the service center.
2. Rectify the flat tire.
The use of tire sealant, e.g., Mobility System, can damage the TPM wheel electronics. In this case, have the electronics checked at the next opportunity and have them replaced if necessary.

Run-flat tires*

You can continue driving with a damaged tire at speeds up to 50 mph/80 km/h.



Do not continue driving without run-flat tires
Do not continue driving if the vehicle is not equipped with run-flat tires; continued driving may result in serious accidents. ◀

Continued driving with a flat tire

If continuing to drive with a damaged tire:

1. Avoid sudden braking and steering maneuvers.
2. Do not exceed a speed of 50 mph/80 km/h.
3. Check the air pressure in all four tires at the next opportunity.

If the tire inflation pressure in all four tires is correct, the Tire Pressure Monitor may not have been initialized. In this case, initialize the system.

Possible driving distance with complete loss of tire inflation pressure:

The possible driving distance after a loss of tire inflation pressure depends on the cargo load and the driving style and conditions. With an average load, the possible driving distance is approx. 50 miles/80 km.

When the vehicle is driven with a damaged tire, its handling characteristics change, e.g., reduced lane stability during braking, a longer braking distance, and altered self-steering properties. Adjust your driving style accordingly. Avoid abrupt steering maneuvers or driving over obstacles, e. g., curbs, potholes, etc.

Because the possible driving distance depends on how the vehicle is used during the trip, the actual distance may be smaller

or greater depending on the driving speed, road conditions, external temperature, cargo load, etc.



Continued driving with a flat tire

Drive moderately and do not exceed a speed of 50 mph/80 km/h.

A loss of tire inflation pressure results in a change in the handling characteristics, e.g., reduced lane stability during braking, a longer braking distance and altered self-steering properties.◀



Final tire failure

Vibrations or loud noises while driving can indicate the final failure of the tire. Reduce speed and stop; otherwise, pieces of the tire could come loose and cause an accident. Do not continue driving, and contact your service center.◀

Message when not reset



The yellow warning lamp lights up. An additional text message is displayed.

The system was not reset, e.g., after a wheel change.

Check the tire inflation pressure and reset the system.

Malfunction



The yellow warning lamp flashes and then lights up continuously. The vehicle symbol lights up. An additional text message is displayed. No flat tire can be detected.

Display in the following situations:

- ▶ Malfunction: have the system checked.
- ▶ A wheel without TPM electronics is fitted: have the service center check it if necessary.
- ▶ Disturbance by systems or devices with the same radio frequency: after leaving the area of the disturbance, the system automatically becomes active again.

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.

Mobility

To ensure that you remain mobile at all times, this chapter supplies you with important information on the topics of fuels and lubricants, wheels and tires, and Roadside Assistance.



Refueling

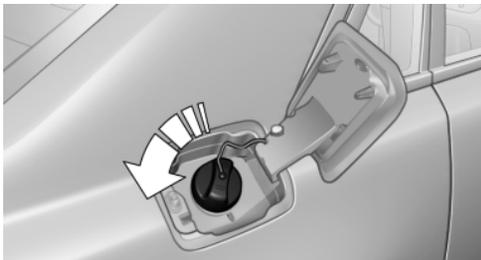
Fuel cap

Opening

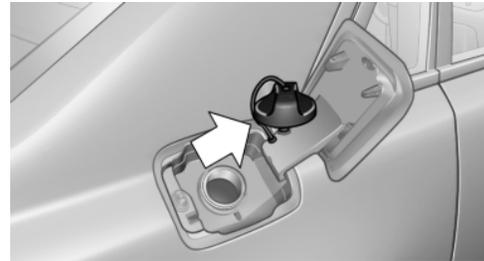
1. Briefly press the rear edge of the fuel filler flap.



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.



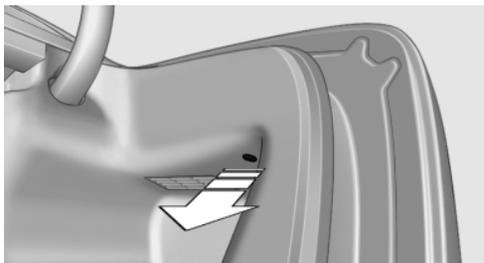
Do not pinch the retaining strap

Do not pinch the retaining strap attached to the cap; otherwise, the cap cannot be closed properly and fuel vapors can escape.

A message is displayed if the cap is loose or missing. ◀

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.



Handling fuels

Obey safety regulations posted at the gas station. ◀

Fuel tank capacity

Fuel tank capacity: approx. 21.8 US gal/82.5 liters



Refuel promptly

Refuel below a range of 30 miles/50 km; otherwise, engine functions are not ensured and damage may occur. ◀

Fuel quality



Refuel with unleaded fuel only

Do not use leaded fuel as this would permanently damage the catalytic converter. ◀



Do not refuel with ethanol

Do not refuel with E85, i.e., fuel with an ethanol content of 85 %, or with Flex Fuel, as this would damage the engine and fuel supply system. ◀

Required fuel

Super premium gasoline/AKI 91

This gasoline is highly recommended.

Gasoline with lower AKI

However, you may also use gasoline with less AKI.

The minimum AKI Rating is 89.

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.



Minimum fuel grade

Do not use any gasoline below the minimum specified fuel grade; otherwise, engine damage may occur. ◀

Use high-quality brands

Field experience has indicated significant differences in fuel quality: volatility, composition, additives, etc., among gasolines offered for sale in the United States and Canada.

Fuels containing up to and including 10 % ethanol or other oxygenates with up to 2.8 % oxygen by weight, that is, 15 % MTBE or 3 % methanol plus an equivalent amount of co-solvent, will not void the applicable warranties with respect to defects in materials or workmanship.



Minimum fuel grade

The use of poor-quality fuels may result in driveability, starting and stalling problems especially under certain environmental conditions such as high ambient temperature and high altitude.

Should you encounter driveability problems which you suspect could be related to the fuel you are using, we recommend that you respond by switching to a recognized high-quality brand such as gasoline that is advertised as Top Tier Detergent Gasoline.

Failure to comply with these recommendations may result in unscheduled maintenance. ◀

RR recommends BP fuels



Wheels and tires

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

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. When the tires are warm, the tire inflation pressure is higher.



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.◀

Pressure specifications

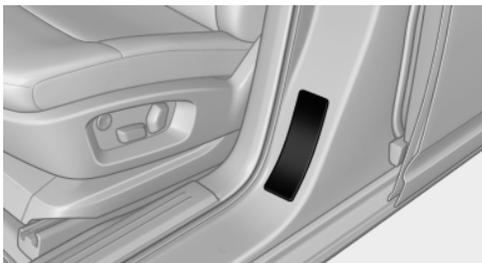
The tire inflation pressure table, refer to page 88, contains all pressure specifications for the specified tire sizes at the ambient temperature. Pressure specifications apply to approved tire sizes and recommended tire brands. This information can be obtained from your service center.

To identify the correct tire inflation pressure, please note the following:

- ▷ Tire sizes of your vehicle.
- ▷ Vehicle load.
- ▷ Maximum allowable 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 88, 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

Tire size	Pressure specifications in psi/kPa	
Specifications in psi/kilopascal with cold tires		
255/50 R 19 103 Y	2.2 / 32	2.4 / 35
255/50 R 19 107 H M+S XL		
F.: 255/45 R 20 101 Y	2.4 / 35	-
R.: 285/40 R 20 104 Y	-	2.4 / 35

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

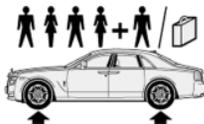
With partial load

Tire size	Pressure specifications in psi/kPa	
Specifications in psi/kilopascal with cold tires		
255/50 R 19 103 Y	2.2 / 32	2.4 / 35
255/50 R 19 107 H M+S XL		
F.: 255/45 R 20 101 Y	2.4 / 35	-
R.: 285/40 R 20 104 Y	-	2.4 / 35

With full load

Tire size

Specifications in psi/kilopascal with cold tires



255/50 R 19 103 Y	2.4 / 35	2.6 / 38
255/50 R 19 107 H M+S XL		
F.: 245/45 R 20 101 Y	2.6 / 38	-
R.: 285/40 R 20 104 Y	-	2.6 / 38

Tire identification marks

Tire size

255/50 R 19 103 Y

255: nominal width in mm

50: aspect ratio in %

R: radial tire code

19: rim diameter in inches

103: load rating, not for ZR tires

Y: speed rating, before the R on ZR tires

Speed letter

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 3510

xxxx: manufacturer code for the tire brand

xxx: tire size and tire design

3510: tire age

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

Tire age

DOT ... 3510: the tire was manufactured in the 35th week in 2010.

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 1/2, times as well on the government course as a tire graded 100. The relative performance of tires depends upon the actual conditions of their use, however, and may depart significantly from the norm due to variations in driving habits, service practices and differences in road characteristics and climate.

Traction

The traction grades, from highest to lowest, are AA, A, B, and C.

Those grades represent the tire's ability to stop on wet pavement as measured under controlled conditions on specified government test surfaces of asphalt and concrete. A tire marked C may have poor traction performance.

The traction grade assigned to this tire is based on straight-ahead braking traction tests, and does not include acceleration, cornering, hydroplaning, or peak traction characteristics.

Temperature

The temperature grades are A, the highest, B, and C, representing the tire's resistance to the generation of heat and its ability to dissipate heat when tested under controlled conditions on a specified indoor laboratory test wheel. Sustained high temperature can cause the material of the tire to degenerate and reduce tire life, and excessive temperature can lead to sudden tire failure. The grade C corresponds to a level of performance which all passenger car tires must meet under the Federal Motor Vehicle Safety Standard No. 109. Grades Band A represent higher levels of performance on the laboratory test wheel than the minimum required by law.



Temperature grade for this tire

The temperature grade for this tire is established for a tire that is properly inflated and not overloaded. Excessive speed, underinflation, or excessive loading, either separately or in combination, can cause heat buildup and possible tire failure.

If necessary, have the vehicle towed.◀

RSC – Run-flat tires

Run-flat tires, refer to page 93, are labeled with a circular symbol containing the letters RSC marked on the sidewall.

M+S

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

Tire tread

Summer tires

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

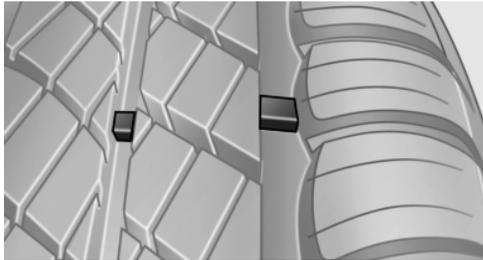
There is an increased danger of hydroplaning if the tread depth is less than 0.12 in/3 mm.

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

Inspect your tires often for damage, foreign objects lodged in the tread, and tread wear.

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.



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 next service center or tire shop.

If necessary, have the vehicle towed. ◀



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. ◀

Tire age

Recommendation

Regardless of wear, replace tires at least every 6 years.

Manufacture date

On the sidewall:

DOT ... 3510: the tire was manufactured in the 35th week in 2010.

Changing wheels and tires

Mounting



Information on mounting tires

Have mounting and balancing performed only by a service center or tire specialist.

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

Wheel and tire combination

Information on the correct wheel-tire combination and rim versions for your vehicle can be obtained from your service center.

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

The manufacturer of your vehicle recommends that you use only wheels and tires that have been approved for your particular vehicle model.

For example, despite having the same official size ratings, variations can lead to body contact and with it, the risk of severe accidents.

The manufacturer of your vehicle cannot evaluate non-approved wheels and tires to determine if they are suited for use, and therefore cannot ensure the operating safety of the vehicle if they are mounted. ◀

Recommended tire brands



For each tire size, the manufacturer of your vehicle recommends certain tire brands. These can be identified by a star on the tire sidewall.

With proper use, these tires meet the highest standards for safety and handling.

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

The manufacturer of your vehicle recommends winter tires for winter roads or at temperatures below +45 °F/+7 °C.

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 winter tires; otherwise, tire damage and accidents can occur. ◀

Run-flat tires

For your own safety, only use run-flat tires. No spare tire is available in the case of a flat tire. Your service center will be glad to advise you.

Rotating wheels between axles

The manufacturer of your vehicle advises against swapping wheels between the front and rear axles.

This can impair the handling characteristics.

Storage

Store wheels and tires in a cool, dry place with as little exposure to light as possible.

Always protect tires against all contact with oil, grease and fuels.

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

Run-flat tires

Label



RSC label on the tire sidewall.

The wheels are composed of special rims and tires that are self-supporting, to a limited degree.

The support of the sidewall allows the tire to remain drivable to a restricted degree in the event of a pressure loss.

Continued driving with a damaged tire., refer to page 79

Changing run-flat tires

For your own safety, only use run-flat tires. No spare tire is available in the case of a flat tire. Your service center will be glad to advise you.

Snow chains

Fine-link snow chains

Only certain types of fine-link snow chains have been tested by the manufacturer of your vehicle, classified as road-safe and recommended.

Consult your service center for more information.

Use

Use only in pairs on the rear wheels, equipped with the tires of the following size:

255/50 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.

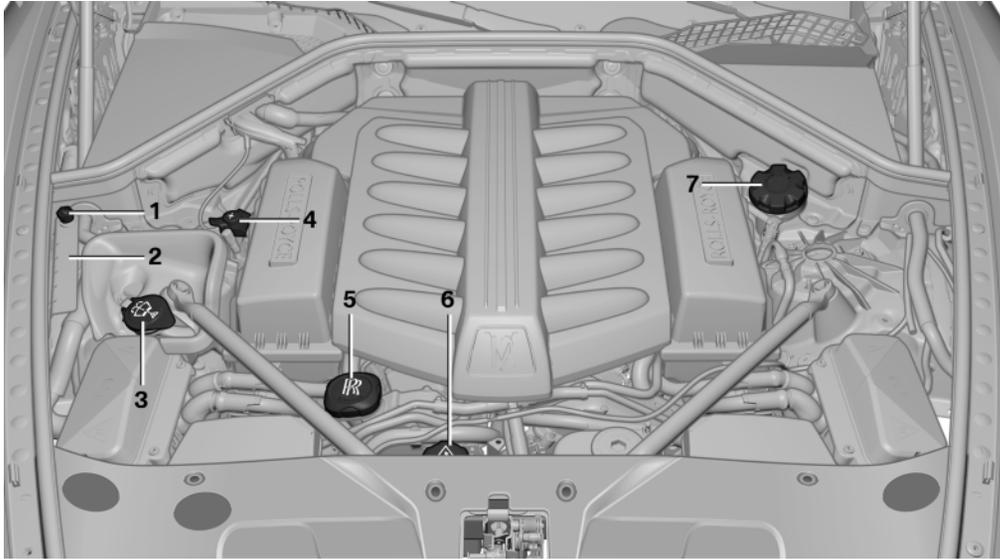
When driving with snow chains, briefly activate Dynamic Traction Control if necessary.

Maximum speed with snow chains

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

Engine compartment

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 Oil filler neck
- 6 Coolant reservoir
- 7 Coolant reservoir

Hood

Opening the hood



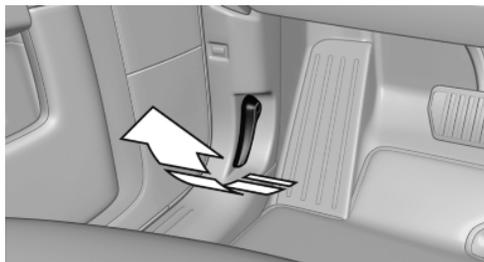
Working in the engine compartment

Never attempt to perform any service or repair operations on your vehicle without the necessary professional technical training.

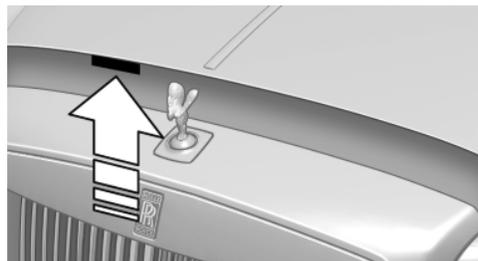
If you are unfamiliar with the statutory guidelines, have any work on the vehicle performed only by a service center.

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

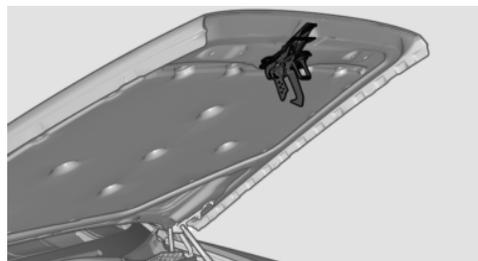
1. Pull the lever.



2. Press the release handle and open the hood.



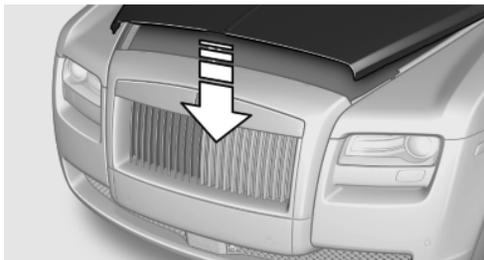
3. Be careful of protruding parts on the hood.



Danger of injury when the hood is open

There is a danger of injury from protruding parts when the hood is open.◀

Closing the hood



Let the hood drop from a height of approx. 16 in/40 cm and push down on it to lock it fully.

Make sure you hear the engine compartment lid engage.



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. ◀

If a Check Control message regarding the hood is displayed when the hood is closed, the hood ornament was lowered mechanically.

Engine oil

General information

The engine oil consumption is dependent on the driving style and driving conditions.

Therefore, check the engine oil level after every refueling using the electronic engine oil level check.

Checking the oil level

The concept

The oil level is monitored electronically and displayed on the Control Display.

Requirements

- ▶ The engine must be running and warm after the vehicle has been driven for at least 6 miles/10 km.
- ▶ The vehicle is stopped or being driven on a level roadway.

Displaying the oil level

On the Control Display:

1. "Vehicle Info"
2. "Vehicle status"
3. "Engine oil level"

Possible messages

- ▷ "Engine oil level OK"
- ▷ "Measurement not possible at this time."
- ▷ "Measuring engine oil level..."
Duration with the engine running: approx. 3 minutes.
Duration while driving: approx. 5 minutes.
- ▷ "Engine oil level below minimum. Add 1 quart!"
Add oil within the next 125 miles/200 km.
- ▷ "Engine oil level too high! Have this checked."
Have the vehicle checked immediately.



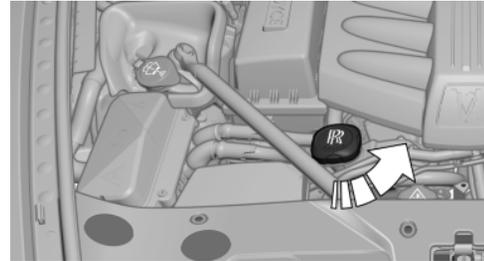
Too much engine oil

Have the vehicle checked immediately; otherwise, surplus oil can lead to engine damage. ◀

- ▷ "Measurement inactive. Have this checked."
Note the newly calculated remaining mileage until the next oil service. Have the system checked as soon as possible.

Adding engine oil

Filler neck



When the indicator lights up in the instrument cluster, add 1 US quart/liter of engine oil within the next 125 miles/200 km.

Recommended oil types, refer to page 100.



Protect children

Keep oil, grease, etc., out of reach of children and heed the warnings on the containers to prevent health risks. ◀

Oil types

Note



No oil additives

Oil additives may lead to engine damage. ◀

Approved oil types

Your service center can advise you on which engine oils have been approved by the manufacturer of your vehicle.

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

Only use approved High Performance oil.

Approved oils belong to the viscosity grades SAE 0W-40, SAE 0W-30, SAE 5W-40 and SAE 5W-30.

Alternative oil types

If the approved engine oils are not available, up to 1 US quart/liter of another oil with the following specification may be used.

API SM quality standards or higher.

Rolls-Royce recommends 

Coolant

General information



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 your vehicle. Ask your service center for suitable additives.

Coolant level

Have your service center check the coolant level and add coolant, if necessary.

Disposal



Comply with the relevant environmental protection regulations when disposing of coolant and coolant additives.

Replacing components

Tool kit



The tool kit is stored under the floor cover in the trunk.

Wiper blade replacement



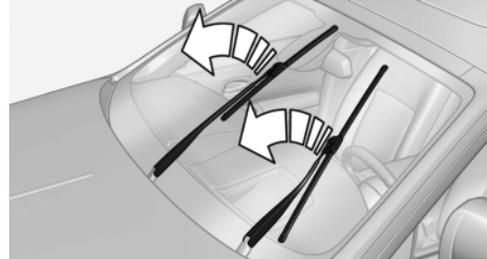
Do not fold down the wipers without wiper blades

Do not fold down the wipers if wiper blades have not been installed; this may damage the windshield. ◀

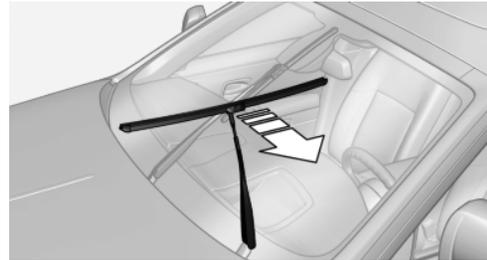
Replacing the wiper blades

1. To change the wiper blades, fold up, refer to page 61, the wiper arms.

2. Fold up the wipers.



3. Position the wiper blade in a horizontal position.
4. Remove the wiper blade toward one side.



Lamp and bulb replacement

General information

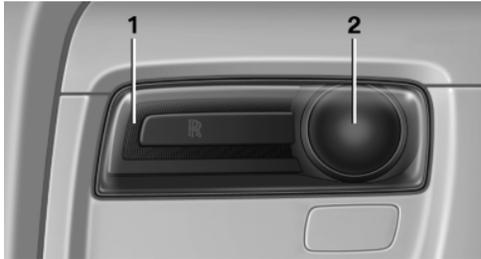
Lamps and bulbs make an essential contribution to vehicle safety.

All lamps are made using LED technology.

If defective, please contact your Rolls-Royce dealer or a workshop that works according to Rolls-Royce repair procedures with appropriately trained personnel.

Front lamps

At a glance



- 1 Parking lamp, daytime running lights*
- 2 Low beams/high beams, adaptive light control*

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

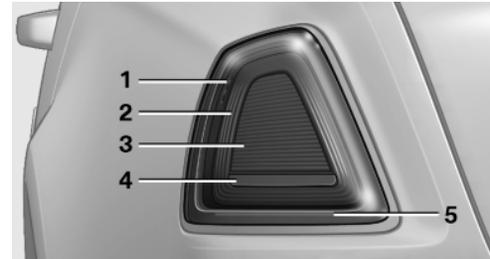
Have any work on the xenon lighting system, including bulb replacement, performed only by a service center.

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 Service.

Tail lamps

At a glance



- 1 Side marker
- 2 Brake lamp/tail lamp

- 3 Turn signal
- 4 Backup lamp
- 5 Brake force display*

Lamp replacement

All tail lamps, including the third brake lamp, are equipped with LED technology.

Contact your service center in the event of a malfunction.

Light-emitting diodes (LEDs)

Light-emitting diodes installed behind a cover serve as the light source for controls, display elements and other equipment.

These light-emitting diodes, which are related to conventional lasers, are officially designated as Class 1 light-emitting diodes.



Do not remove the covers

Do not remove the covers, and never stare into the unfiltered light for several hours; otherwise, irritation of the retina could result. ◀

Headlamp glass

Condensation can form on the inside of the external lamps in cool or humid weather. When the light is switched on, the condensation evaporates after a short time. The headlamp glasses do not need to be changed.

If there is a large amount of moisture, e.g., water droplets form in the lamp, have it checked by your service center.

Changing wheels

Notes

Your vehicle is equipped with run-flat tires, refer to page 93, as standard equipment.

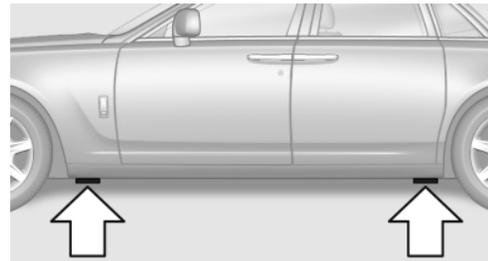
They do not need to be replaced immediately in the event of a puncture.

When mounting new tires or changing from summer to winter tires or vice versa, use run-flat tires for your own safety.

No spare tire is available in the case of a flat tire.

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 in the positions shown.

Wheel center caps

The lug bolts of the wheels are covered with removable wheel center caps. The wheel center cap can be pried out using a plastic tool similar to a screw driver.

Removing



Only use a plastic tool

To remove the wheel center caps, only use the provided tool; otherwise, the wheel center cap or rim could become scratched.◀

1. Insert the plastic tool in the gap between the wheel center cap and the rim.
2. Pry the wheel center cap out of the rim.
3. Remove the wheel center cap.

Mounting

1. Insert the wheel center cap into the holder.
2. Press the wheel center cap into place.

Vehicle battery

Maintenance

The battery is maintenance-free, i.e., the electrolyte will last for the life of the battery.

Your service center will be glad to advise you on questions regarding the battery.

Battery replacement

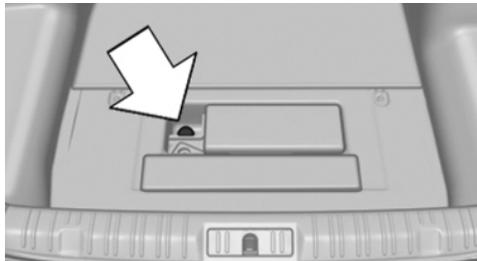


Use approved vehicle batteries only.

Only use vehicle batteries that have been approved for your vehicle by the manufacturer; otherwise, the vehicle could be damaged and systems or functions may not be fully available.◀

After a battery replacement, have the battery registered on the vehicle by your service center to ensure that all comfort functions are fully available.

Charging the battery



Only charge the battery via the charging socket under the floor panel with the engine switched off.

Recharge using the Rolls-Royce battery maintainer.

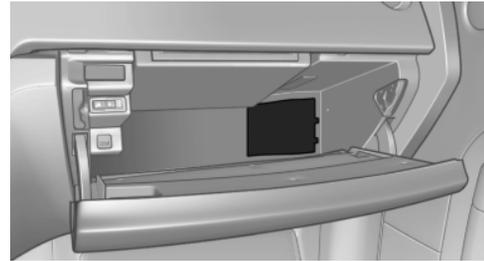
Power failure

After a temporary power loss, some equipment needs to be reinitialized.

Individual settings need to be reprogrammed:

- ▷ Seat, mirror, and steering wheel memory: store the positions again.
- ▷ Time: update.
- ▷ Date: update.
- ▷ Radio station: save again.
- ▷ Navigation system: wait for the operability of the navigation.

In the glove compartment



Open the folding cover in the glove compartment.

In the cargo area



Pull the storage compartment on the right side of the cargo area up and out.

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

Disposing of old batteries



Have old batteries disposed of by your service center or bring them to a recycling center.

Maintain the battery in an upright position for transport and storage. Secure the battery so that it does not tip over during transport.

Fuses

Notes



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.

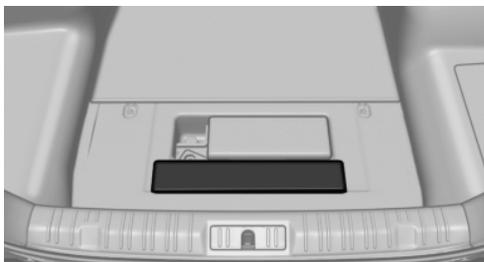
Breakdown assistance

Hazard warning flashers



The button is located in the center console.

Warning triangle



The warning triangle is located under the floor cover in the trunk.

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

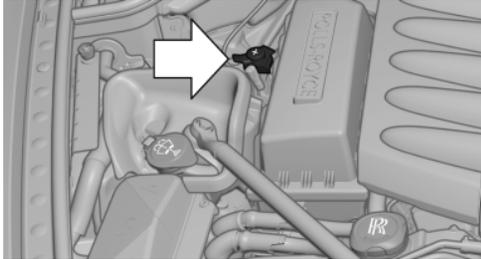
Make sure that there is no contact between the bodywork of the two vehicles; otherwise, there is the danger of short circuits. ◀

Starting aid terminals

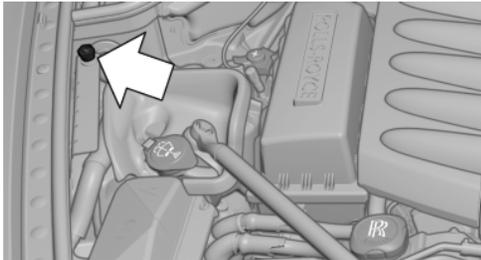


Connecting order

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.



The body ground or a special nut acts as the negative terminal.

Connecting the cables

1. Fold up the cover of the 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 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 the vehicle providing assistance.
5. Attach the other end of the cable 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.
If the vehicle being started has a diesel engine: let the engine of the assisting vehicle run for approx. 10 minutes.
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 another 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

Transporting your vehicle

Note

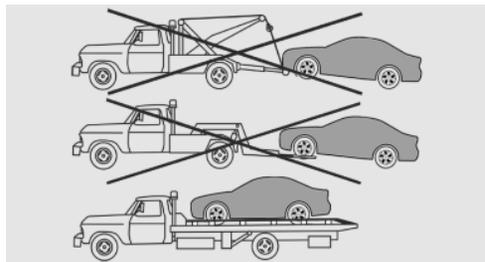
Your vehicle is not permitted to be towed. Therefore, contact a service center in the event of a breakdown.



Do not have the vehicle towed

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

Tow truck



Do not lift the vehicle

Do not lift the vehicle by the tow fitting or body and chassis parts; otherwise, damage may result. ◀

Tow-starting

Do not tow-start the vehicle.

Due to the automatic transmission, the engine cannot be started by tow-starting.

Have the cause of the starting difficulties remedied.

Towing other vehicles

General information



Light towing vehicle

Your vehicle must not be lighter than the vehicle being towed; otherwise, it will not be possible to control 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.

Towing methods when towing other vehicles

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.

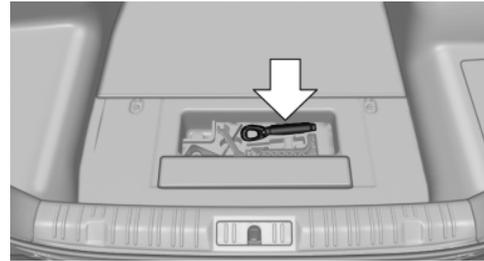
To avoid jerking and the associated stresses on the vehicle components when towing, always use nylon ropes or nylon straps.



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 Rolls-Royce. It is stored in the tool kit under the floor cover in the trunk.

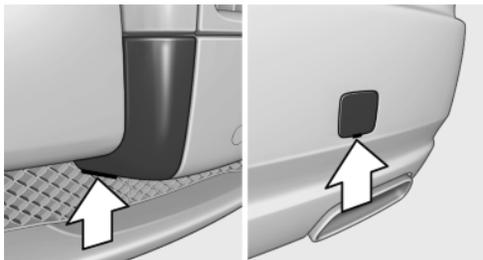


Tow fitting, information on use

- ▷ 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.
- ▷ Use the tow fitting screwed in at the front for maneuvering the vehicle 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. ◀

Screw thread



Push out the cover in the bumper by inserting a suitable object into the recess.

Reference

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



Technical data

Dimensions

Rolls-Royce Ghost	
Width with mirrors	83.0 inches/2,108 mm
Width without mirrors	76.7 inches/1,948 mm
Height	61.0 inches/1,550 mm
Length	212.6 inches/5,399 mm
Wheel base	129.7 inches/3,295 mm
Smallest turning circle Ø:	44 ft/13.4 m

Engine specifications

The rated power outputs are established on the basis of fuel grade AKI 91.

Rolls-Royce Ghost		
Displacement	cu in/cm ³	402/6,592
No. of cylinders		12

Rolls-Royce Ghost

Maximum output	hp	562
at engine speed	rpm	5,250
Maximum torque	lb ft/Nm	575.3/780
at engine speed	rpm	1,500

Weights

Rolls-Royce Ghost

Approved gross vehicle weight	lbs/kg	5,368/2,435
Load	lbs/kg	1,279/580
Approved front axle load	lbs/kg	3,186/1,445
Approved rear axle load	lbs/kg	3,472/1,575
Trunk capacity	cu ft/l	17.2/490

Capacities

			Notes
Fuel tank	US gal/liters	approx. 21.8/82.5	Fuel quality, refer to page 85
Windshield and headlamp washer system	US quarts/liters	approx. 5.3/5.0	

Maintenance record

Vehicle data

Model

Vehicle identification number

Initial registration

Dealer

Symbols used

Symbol	Meaning	Symbol	Meaning
	Entered: checked/not checked		Re-circulated air filter
	Vehicle check		Microfilter
	Front brakes		Air filter insert
	Rear brakes		Fuel filter
	Brake fluid		Mileage
	Engine oil		Date: Day, month, year
	Spark plugs		Signature, stamp

Pre-transfer check

Handover review performed according to specifications:

Inspector

Date

Town/city



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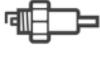
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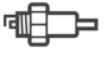


























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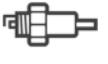


























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