



A-Class

Owner's Manual +

Mercedes-Benz





Did you know?

In order to meet all needs, your operator's manual is available to you in various formats.
In addition to this PDF, the following options are open to you:



Digital - in the vehicle

Discover the Owner's Manual in the multimedia system under Preferences. Begin with Quick Start and discover useful tips.



Vehicle document wallet

Here you can find comprehensive information about operating your vehicle and about services and warranties in printed form.



Digital - on the Internet

You can find the Owner's Manual on the [Mercedes-Benz homepage](#).



Digital - as an App

The Mercedes-Benz Guides App is available free-of-charge in familiar App stores.



Apple® iOS



Android™



Front passenger airbag warning



Observe the chapter "Children in the vehicle".

⚠ WARNING

Risk of injury or death due to an enabled co-driver airbag

If the co-driver airbag is enabled, a child on the co-driver seat may be struck by the co-driver airbag during an accident.

- ▶ NEVER use a rearward-facing child restraint system on a seat with an ENABLED FRONT AIRBAG. DEATH or SERIOUS INJURY to the CHILD can occur.



Welcome to the world of Mercedes-Benz

Before your first drive, please read this Owner's Manual carefully and familiarise yourself with your vehicle. For your own safety and a longer service life for the vehicle, follow the instructions and warnings in this Owner's Manual. Failure to do so may lead to personal injury or damage to the vehicle.

**THE EQUIPMENT FEATURES OR PRODUCT DESIGNATIONS OF YOUR VEHICLE
MAY DIFFER FROM THE CONTENT DESCRIBED IN THE OWNER'S MANUAL.
THE OWNER'S MANUAL DESCRIBES THE FOLLOWING CONTENT:**

- The models and the standard and special equipment available at the time of this Owner's Manual going to press.
- The models and the standard and special equipment only available in certain countries.
- The models and the standard and special equipment which will only become available at a later date.

Please note that your vehicle may not be equipped with all features described. This is also the case for safety-relevant systems and functions. In individual cases, your vehicle may therefore differ from that shown in the descriptions and illustrations.

**MERCEDES-BENZ KEEPS ADVANCING ITS VEHICLES CONSTANTLY AND
THEREFORE RESERVES THE RIGHT TO INTRODUCE CHANGES IN THE FOLLOWING AREAS:**

- Design
- Equipment

- Technical features

The latest and complete information about your vehicle and the description of any subsequently uploaded functions are contained in the Digital Owner's Manual in the multimedia system.

The illustrations in this Owner's Manual show a left-hand drive vehicle. For right-hand drive vehicles, the layout of vehicle parts and controls differs accordingly.

The original purchase agreement for your vehicle includes a list of the equipment features in your vehicle at the time of delivery.

THE FOLLOWING DOCUMENTS ARE COMPONENTS OF THE VEHICLE:

- Digital Owner's Manual in the multimedia system
- Printed Owner's Manual
- Service booklet
- Supplements relating to specific equipment
- Supplementary documents

Keep these documents in the vehicle at all times. Ensure that all documents are in the vehicle or passed on in the event of sale or rental.

For questions concerning equipment and operation, please contact a Mercedes-Benz service centre.

**Disclaimer**

The following online version of the Owner's Manual describes all models as well as all the standard and optional equipment of your vehicle. Country-specific differences in the language variants are possible. Note that your vehicle may not be fitted with all features described. This is also the case for safety-relevant systems and functions.

Please contact your authorised Mercedes-Benz dealer if you would like to have a printed Owner's Manual for other vehicle models and vehicle model years. The online version is the current valid Owner's Manual version. Possible variations to your vehicle may not be taken into account as Mercedes-Benz constantly updates their vehicles and equipment to the state of the art and introduces changes in design and equipment.

Please also read the printed Owner's Manual, any supplementary documents and the digital Owner's Manual in the vehicle.

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< Symbols

This interactive PDF works like a website – tap or click a button to jump straight to where you want to go.

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In this Owner's Manual, you will find the following symbols:

⚠ WARNING

Danger due to not observing the warning notices

Warning notices draw your attention to hazards that may endanger your health or life, or the health or life of others.

- ▶ Observe the warning notices.

🌿 ENVIRONMENTAL NOTE

Environmental damage due to failure to observe environmental notes

Environmental notes include information on environmentally responsible behaviour or environmentally responsible disposal.

- ▶ Observe environmental notes.

❗ NOTE

Damage to property due to failure to observe notes on material damage

Notes on material damage inform you of risks which may lead to your vehicle being damaged.

- ▶ Observe notes on material damage.

- ⓘ These symbols indicate useful instructions or further information that could be helpful to you.



Instruction

(→ page)

Further information on a topic

Display

Display in the central display



Highest menu level, which is to be selected in the multimedia system



Relevant submenus, which are to be selected in the multimedia system

*

Indicates a cause





< Addenda

This interactive PDF works like a website – tap or click a button to jump straight to where you want to go.

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MBUX SOUND DRIVE





< MBUX SOUND DRIVE

Information on MBUX SOUND DRIVE

MBUX SOUND DRIVE allows you to experience your favourite song in a new interactive way. You can use various driving conditions to influence elements, e.g. instruments or voices in real time, and recreate them while driving. Different elements of your favourite song are thus built up and broken down again through the experience of different driving situations.

THE FOLLOWING DRIVING CONDITIONS ALLOW YOU TO BECOME PART OF THE MUSIC (EXAMPLES):

- Accelerate
- Brake
- Steer

YOUR FAVOURITE SONG CAN BE EXPANDED WITH THE FOLLOWING LAYERS (EXAMPLES):

- Bass
- Melody
- Certain instruments

 Availability of this function depends on the respective equipment.

Operating the MBUX SOUND DRIVE

Requirements:

- You have a Mercedes me ID.
- The vehicle is linked to the Mercedes me ID.
- The Digital Extra is available and has been activated.
- There is an Internet connection.
- The track is available.

Multimedia system:



CONTROLLING PLAYBACK

- Tap on  to start playback.
Playback starts.

or

- Tap on  to stop playback.
Playback stops.

SWITCHING RANDOM PLAYBACK ON OR OFF

- Tap on  to switch on random playback.
Random playback starts.

or





- ▶ Tap again on  to switch off random playback.

Random playback stops.

CALLING UP THE SETTINGS

- ▶ Tap on  to access the settings.
- ▶ Select a setting.

CALLING UP A PLAYLIST

- ▶ Tap on  to search the available content.
- ▶ Select a track.

SEARCHING FOR A TRACK

- ▶ Tap on  to search for a track.



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< Quick start and Tips

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< Children in the vehicle

Safely transporting children in the vehicle

- ▶ Always observe when children are travelling in the vehicle (→ page 153)
- ▶ Important warning stickers (→ page 154)
- ▶ Recommended child restraint systems (→ page 161)
- ▶ Suitable seats in the vehicle for fitting a child restraint system (→ page 151)
- ▶ Approval categories for child restraint systems (→ page 160)
- ▶ Suitability of seats for attaching ISOFIX child restraint systems (→ page 165)
 - Fitting the ISOFIX child restraint system on the rear seat (→ page 170)
- ▶ Fastening a Top Tether belt (→ page 172)
- ▶ Suitability of seats for attaching belt-secured child restraint systems (→ page 166)
 - Notes on vehicles without automatic front passenger airbag shutoff (→ page 159)
 - Notes on rearward-facing and forward-facing child restraint systems on the front passenger seat (→ page 157)
- Securing the child restraint system with the seat belt (→ page 173)
- ▶ Automatic front passenger airbag shutoff (→ page 157)
- ▶ Child safety locks for the rear side windows (→ page 177)
- ▶ Child safety locks for the rear doors (→ page 175)





< MULTIBEAM LED

Adaptive functions, MULTIBEAM LED

The MULTIBEAM LED headlamps adapt to the weather and the situation on the road and provide advanced functions for improving the illumination of the road.

THE SYSTEM COMPRISSES THE FOLLOWING FUNCTIONS:

- Active headlamps (→ page 254)
- Cornering light (→ page 254)
- Motorway mode (→ page 255)
- City lighting (→ page 255)

► **Activating or deactivating MULTIBEAM LED:**

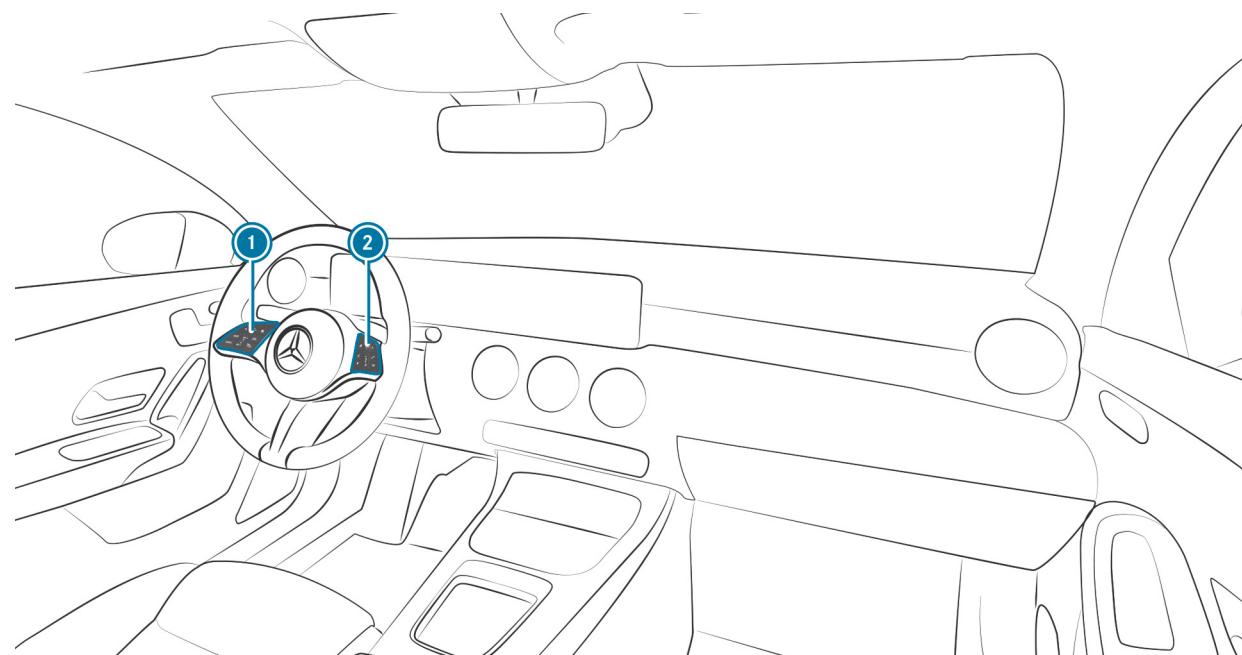
- Briefly press  on the multimedia system display.
- Select **Settings**.
- Select **Lights**.
- Select **MULTIBEAM LED**.
- Activate or deactivate **Dynamic low beam**.





< Touch-sensitive controls

Overview of touch-sensitive controls



① Control panel:

Driver display

Active Distance Assist DISTRONIC and variable limiter

② Control panel for the MBUX multimedia system

- ▶ Observe the notes on the touch-sensitive controls
(→ page 108).





< Radio

Operating radio

► To switch to radio:

- Briefly press  in the multimedia system display.
- Tap on .

► To set the frequency band:

- Briefly press  in the multimedia system display.
- Tap on .
- Select a frequency band or a favourite.

► To set a radio station:

- Briefly press  in the multimedia system display.
- Tap on .
- Swipe to the left or right on the control element or select a radio station.

► To call up the radio station list:

- Briefly press  in the multimedia system display.
- Tap on .
- Select .

► To search for radio stations using station names or frequency entry:

- Briefly press  in the multimedia system display.
- Tap on .

- Select .

- Enter a station name or frequency.

- Select a station.

► To store radio stations:

- Briefly press  in the multimedia system display.
- Tap on .
- Select .

► To set the traffic information service volume increase:

- Briefly press  in the multimedia system display.
- Tap on .
- Select [System](#).
- Select [Audio](#).
- Select [Navigation & traffic announcements](#).
- Set a value for [Traffic announc. vol. increase](#).





< Wi-Fi hotspot

Setting up a Wi-Fi hotspot

GENERALLY, TWO TYPES OF WI-FI CONNECTION ARE AVAILABLE:

- Using the multimedia system as a Wi-Fi hotspot

The multimedia system serves as a Wi-Fi hotspot for mobile communication devices such as a smartphone or tablet PC.
The data volume of the vehicle or an already connected tethering device is used for the data connection.
Data volume must be purchased for a fee via the Mercedes-Benz Portal.
The use of the vehicle data tariff by external devices is not available in all countries.
- Using a mobile communication device as a Wi-Fi hotspot (tethering)

An external Wi-Fi hotspot is accessed for the Internet connection of the multimedia system.
The data tariff of the mobile communication device via [Data package](#) is used for the data connection.

OPTIONS FOR SETTING UP A CONNECTION:

- QR code

The connection is set up by scanning the QR code shown on the multimedia system.
- NFC

The connection is set up by placing the mobile communication device in the NFC interface of the vehicle.





< Connecting a mobile phone

Connecting a mobile phone

► **Activating Bluetooth®:**

- Make sure that the mobile phone Bluetooth® is switched on.
- Tap on  the central display or media display.
- Select **Settings**.
- Select **System**.
- Select **Internet and Bluetooth**.
- Activate Bluetooth®.

► **Searching for a mobile phone:**

- Tap on  the central display or media display.
- Select **Phone**.
- Select .
- Select **Devices**.
- Select **Devices**.
- Select **Connect new device**.

► **Authorising a mobile phone:**

- Select a mobile phone.

A code is displayed in the multimedia system and on the mobile phone.

► If the codes match, confirm the code on the mobile phone.





< MBUX Interior Assistant

Using the MBUX Interior Assistant

If the vehicle is fitted with the MBUX Interior Assistant, selected functions of the multimedia system can be operated contact-free

The Assistant recognises driver and front passenger interactions.

THE ASSISTANT SUPPORTS VEHICLE AND INFOTAINMENT FUNCTIONS AT THREE INTERACTION LEVELS:

- INTELLIGENT
The Assistant recognises vehicle occupants and objects automatically and activates functions.
- REACTIVE
The Assistant recognises the natural body language of a vehicle occupant and carries out functions automatically, appropriate to the situation.
- CONTACTLESS
The vehicle occupant actively requests a function using a hand movement or pose.

THE ASSISTANT OFFERS FUNCTIONS FOR THE FOLLOWING:

- SAFETY
The Assistant supports vehicle occupants with the use of restraint systems.
- COMFORT

The Assistant enhances comfort by automating functions inside the vehicle and supporting natural interaction with the vehicle.

- INFOTAINMENT

The Assistant facilitates operation of the Infotainment functions.

One application example is switching the reading light on or off.



Carrying out operation of the reading light for the driver and front passenger

- ▶ Move your hand up and down under the inside rearview mirror.
The reading light is switched on or off.





< MBUX Voice Assistant

Operating the MBUX Voice Assistant

YOU CAN USE THE MBUX VOICE ASSISTANT TO OPERATE THE FOLLOWING FUNCTIONS DEPENDING ON THE VEHICLE EQUIPMENT:

- Telephone
- Text message and e-mail
- Navigation
- Radio and media
- Vehicle functions
- Online functions

EXAMPLES OF POSSIBLE VOICE COMMANDS:

- To operate the phone: Call my father.
- To manage e-mails: Show me my new e-mails.
- To operate the navigation: Search for an Asian restaurant, but not Japanese, in South London.
- To operate the radio: Which station am I currently listening to?
- To operate media: Play a similar track.
- To operate climate control: My feet are cold.
- To operate vehicle functions: Open the window.
- To call up the weather: Will it be sunny tomorrow?
- To ask a general knowledge question: Who painted the picture "The Scream"?





< ENERGIZING Packages

Operating ENERGIZING COMFORT

► To start an ENERGIZING programme:

- Briefly press  in the multimedia system display.
- Select **Comfort**.
- Select **ENERGIZING COMFORT**.
- Select a programme and start with .

► To configure an ENERGIZING programme:

- Select a programme.
- Select **Settings**.
- Switch the functions included in the programme on or off.

► To start Power Nap:

- Select **Power Nap**.
- Select  for the desired seat.

► To start a training programme:

- Select **Training**.
- Select a programme and start with .
- To activate fragrancing for training, select **Air freshener**.

► To start Tips:

- Select **Tips**.
- Select an area of the body and start with .





< Driving Assistance package

Functions of the Driving Assistance Package

Depending on availability for the respective country of use, the vehicle may be equipped with various functions which are provided to assist the driver. The vehicle is thus fitted with cameras and sensors to monitor the vehicle surroundings.

- ▶ Active Distance Assist DISTRONIC (→ page 381)

You can watch an animation on this topic via the following link:

- ▶ Route-based speed adaptation (→ page 388)
- ▶ Active Brake Assist (→ page 393)

You can watch an animation on this topic via the following link:

- ▶ Active Steering Assist (→ page 389)

You can watch an animation on this topic via the following link:

- ▶ Active Emergency Stop Assist (→ page 391)
- ▶ Active Stop-and-Go Assist
- ▶ Blind Spot Assist with exit warning (→ page 402)

- ▶ Active Lane Keeping Assist (→ page 403)

You can watch an animation on this topic via the following link:





< Parking Package

Functions of the Parking Package

Depending on availability for the respective country of use, the vehicle may be equipped with various functions which are provided to assist the driver with parking and manoeuvring. The vehicle is thus fitted with cameras and sensors to monitor the vehicle surroundings.

You can watch an animation on this topic via the following link:

Depending on the equipment version, the following systems and functions are part of your Parking Package:

- ▶ **Reversing camera:** monitors the area behind the vehicle and relays an image of this area on the driver display (→ page 408).
- ▶ **360° camera:** a system comprising four cameras which record the immediate vehicle surroundings and relay an image on the driver display (→ page 412).
- ▶ **Parking Assist PARKTRONIC:** an electronic parking assistance system which monitors the area surrounding your vehicle and the distance to obstacles in the vicinity using ultrasound (→ page 417).
- ▶ **Active Parking Assist:** an electronic parking assistance system which assists you when parking or exiting a parking space by changing gear, accelerating, braking and steering the vehicle (→ page 421).

You can watch an animation on this topic via the following link:





< High-voltage battery AC charging (mode 2 or 3)

AC charging (mode 2 or 3)

Starting and ending the charging process

- ▶ More notes on charging the high-voltage battery
(→ page 337)
- ▶ Overview of the charging cable control panel (→ page 345)





< High-voltage battery direct current charging (mode 4)

DC charging (mode 4)

Starting and ending the charging process

- ▶ More notes on charging the high-voltage battery
(→ page 337)
- ▶ Overview of the charging cable control panel (→ page 345)





< Destination entry navigation

Entering a navigation destination

- ▶ Briefly press  in the multimedia system display.
The home screen is shown.
- ▶ Select [Navigation](#).
- ▶ Select .

SELECT THE FOLLOWING OPTIONS FOR DESTINATION ENTRY:

- Enter a POI or address in the input line.
Online search results for POIs (if available) may contain additional information, for example opening times and prices. The information is provided by an online map service.
- Select a destination suggestion.
Requirements:
The [Navigation](#) option is switched on in the user settings for [Suggestions](#).
The multimedia system has gathered sufficient data in order to show destination suggestions.
- Select [Previous destinations](#).
Select a previous destination.
You can save the destination as a favourite .
- Select [POIs](#).
Select a POI category, e.g.  or enter a POI name or POI category in the input line.

If search results are displayed, limit them with [Filter](#), for example by search position or the desired travel time.

- Select [Contacts](#).

Requirements:

A mobile phone is connected to the multimedia system and contacts have been downloaded.

The contact contains a navigable address.

- Enter the geocoordinates as latitude and longitude in the input line.
Example 1: 47°58'11"N 7°57'25"E (degrees, minutes, seconds and compass direction)
Example 2: 47.969722 7.956944 (decimal degrees)

- Select a destination on the map.

- Select [Favourites](#).

Requirements:

The destinations have been saved as favourites.

- Select [Received destinations](#).

Requirements:

There is an Internet connection for receiving external destinations.

The destinations have been sent to the vehicle.





< New multimedia system features

Information about the telephone menu



- ① Bluetooth® device name of the currently connected mobile phone/of the mobile phone
- ② Bluetooth® device name of the other currently connected mobile phone/of the mobile phone
- ③ Signal strength of the mobile phone network
- ④ Battery status of the connected mobile phone
- ⑤ Options
- ⑥ Messages
- ⑦ Calls up my devices
- ⑧ Numerical pad
- ⑨ Starts contact search

TELEPHONE MENU OVERVIEW

Via the telephone menu you can use the functions in connection with your mobile phone.

THE FOLLOWING FUNCTIONS CAN BE USED:

- Call lists
- Contacts
- Messages
- Device manager

USING CALL LISTS

If your mobile phone supports the PBAP Bluetooth® profile, the call lists from the mobile phone are displayed in the multimedia system.

THE FOLLOWING FUNCTIONS ARE AVAILABLE:

- Making calls from the call list
- Opening contacts on the call list

MESSAGES

In the message menu you can receive text messages and create and send them with the help of the MBUX voice assistant. In addition, you can conveniently use the read-aloud function during the journey.

DEVICE MANAGER

In the device manager, you can connect your mobile phone with the multimedia system.

You have the option of using your mobile phone alone in single telephone mode or together with another mobile phone in two phone mode.





USING CONTACTS

If you permit the multimedia system to access the contacts in your mobile phone, you can use these in the vehicle. You can store up to 8,000 contacts.

THE FOLLOWING OPTIONS ARE AVAILABLE TO YOU VIA THE CONTACTS MENU:

- Making telephone calls (calling a contact)
- Navigation
- Composing messages with the help of the MBUX voice assistant
- Additional options

The contacts from your mobile phone can be downloaded automatically or manually.

CONDUCTING A CALL

When conducting a call, additional functions are available apart from making, accepting or rejecting a call. For example, you can switch between calls, conduct a call with several participants or conference calls.

It is also possible to accept or reject waiting calls. If you receive a call while already in a call, a message is displayed.

DURING A CALL YOU CAN ACTIVATE THE FOLLOWING FUNCTIONS:

- Microphone off
- Fade in the numerical pad to send DTMF tones
- Add a call
- Hands-free mode to transfer the call to the front or rear passenger compartment
- Privacy mode to transfer the call to the telephone or headphones

Information about navigation



- ① Navigation module (reduced view)

Route guidance active:

The navigation module shows the information relevant to the route in the zoomed-out view, e.g. the destination or a traffic delay

Ends the current route guidance

Tapping opens the navigation module and displays the route overview
(→ page 527)

- ② Sets map orientation and map type

- ③ Calls up the telephone menu

- ④ Current vehicle position (vehicle symbol or arrow)

- ⑤ Calls up entertainment applications

- ⑥ Elevation and map scale (→ page 544)

- ⑦ Navigation window shows the next manoeuvre (zoomed out view) or the route monitor (zoomed in view)

Route guidance active: route monitor shows, e.g. route sections, upcoming driving manoeuvres with lane recommendations, traffic delays, 3D images at motorway exits, online content



When you switch on the multimedia system or after selecting , the digital map is shown.

The navigation system offers many options for destination entry, route planning and route guidance. The traffic situation is taken into account during route guidance. When using route guidance with augmented reality, additional information can be shown in a camera image before a turning manoeuvre. Services and apps help you reach the destination quickly, safely and in comfort.

After tapping on navigation module  start destination entry via  in the route overview. You can enter the POI, address or contact as the destination on-board or search online using a map service. Or you select a previous destination. The destination can be stored here as a favourite or be saved as an address for home and work. When the [Allow destination suggestions](#) option is switched on, the vehicle makes suggestions based on your visited navigation destinations. If external destinations and routes are received from apps or services, these are also available.

THE FOLLOWING OPTIONS ARE AVAILABLE FOR ROUTE PLANNING, FOR EXAMPLE:

- Route options:
e.g. avoid or use toll roads, tunnels, unpaved roads or areas
- Intermediate destinations
- Alternative routes
- Commuter route
- Automatic filling station and service station search

You can record and save routes then select or share them with a USB device.

Lane recommendations are shown during route guidance on multi-lane roads. When driving on a motorway, service facilities on the route ahead can be shown and used for route guidance.

The Live Traffic Information service takes the current traffic situation into account. The map can show the current traffic flow, traffic incidents or warning messages, e.g. before the end of traffic jams that pose a risk.

Hazardous situations on public roads are detected automatically by the vehicle via Car-to-X-Communication or these can be reported by the driver. The early warning makes it possible to adapt your driving characteristics in good time. Accidents, broken-down vehicles, weather hazards or a vehicle with activated hazard warning lights are shown on the map.

For route guidance with augmented reality, information objects such as arrows indicating a turn, street names and house numbers are shown in a video image during the driving manoeuvre or at traffic lights.

The map shows map data from the database or from an online map service. In small map scales, buildings are shown as realistic images. The online map update service makes possible the updating of the map data.

Weather information and data from other services can be shown on the map. Multi-storey car parks with the corresponding equipment, deliver data about the current occupancy and about parking charges, for example.

The options offered vary depending on the country, vehicle equipment and available services.





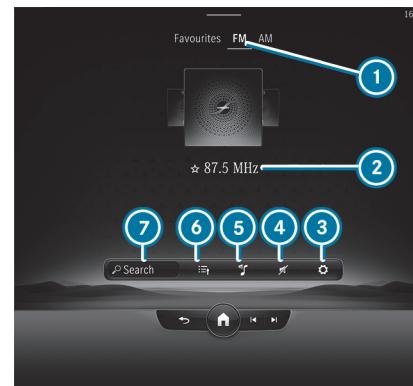
NAVIGATION MODULE (EXPANDED VIEW) WITH ROUTE OVERVIEW



Example: route guidance is active

- ① Enters an address or POI
- ② Destination and time of arrival
beneath that the current distance to the destination and the chequered flag
- ③ Alternative routes
- ④ Searches for parking
- ⑤ Switches traffic information display on or off
- ⑥ Makes settings for [View](#), [Messages & tones](#) and [Route](#)

Information on radio



- ① Active frequency band
- ② Sets frequency and station name (if available)
- ③ Settings
- ④ Mutes volume
- ⑤ Sound settings
- ⑥ Station list
- ⑦ Search

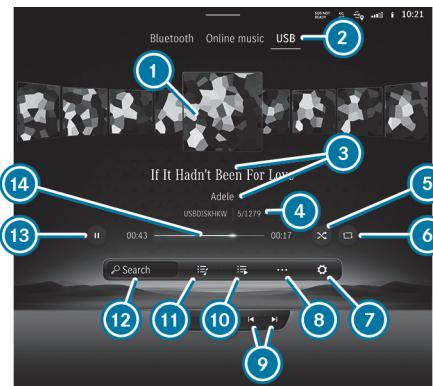
Using the radio menu you can play a multitude of radio stations and use the Internet Radio TuneIn. Search for your preferred stations and save these as favourites or in station lists.

The function of TuneIn Internet radio is country-dependent.





Information on media



- ① Album cover
- ② Active media source
- ③ Track and artist
- ④ Active data storage medium and current track number/track in playback list
- ⑤ Random playback
- ⑥ Repeat
- ⑦ Settings
- ⑧ Additional options
- ⑨ Previous or next track and fast rewind or fast forward
- ⑩ Additional categories
- ⑪ Playlists and categories
- ⑫ Media search
- ⑬ Controls playback
- ⑭ Timeline

Using the **Media** application, you can set and use the audio and video functions of your multimedia system. You can listen to music or look at videos, for example.

USB: Using the **USB**menu, you can play back your own audio or video data from a data storage medium connected by USB.

Bluetooth®: using the **Bluetooth** menu, you can connect a Bluetooth® audio device with the multimedia system and play back the available tracks on the audio device. Connecting the device can be conveniently handled in the device manager, so you can complete all settings with just a few clicks.

Online music: the **Online music** menu allows you to access music streaming services.

Notes on comfort

The **Comfort** menu makes all the functions available that contribute to your comfort when driving or taking a break.

SEAT COMFORT

The **Seat** menu allows you to flexibly adjust the contours of the seats to your needs by adjusting the side bolsters and lumbar support independently. You can save these settings in your Mercedes me profile, so they can be called up each time you drive. With the **Seat kinetics** function, you can start a programme that causes slight modifications of the seat position when you are driving. These modifications promote a healthy back.

MASSAGE

In the **Massage** menu you will find the massage programmes that are available for your vehicle. By selecting the desired programme you start it directly and it runs for a period of approximately ten minutes, depending on the programme selected. With the **High intensity** function you can increase the effect of the massage programme.





AMBIENT LIGHT

In the [Ambient light](#) menu you can set the colour and brightness for your ambient lighting. Using the [Link zones](#) function, the ambience, accent and impression zones can be regulated separately so that you can set the lighting of your vehicle individually.

Information about smartphone integration

Using the [Smartphone Integration](#) menu, various applications are available that can bring the functions of your mobile phone to the multimedia system display. Operation can be carried out via the touchscreen or voice control, for example.

Only one mobile phone at a time can be connected via Smartphone Integration to the multimedia system. Also for use with two phone mode with Smartphone Integration, only one additional mobile phone can be connected using Bluetooth® with the multimedia system.

Use Android Auto for mobile phones with the Android operating system and use Apple CarPlay® with your iPhone®. The full functionality of Android Auto and Apple CarPlay® is only possible with an Internet connection.

Information on AMG Performance

Using the [AMG Performance](#) menu, you can call up information about the performance of your vehicle.

DEPENDING ON THE VEHICLE THE FOLLOWING MENUS ARE AVAILABLE:

- [Energy flow](#)
Visualisation of the energy flow in the vehicle
- [Consumption](#)

Display of the current and average consumption values of the vehicle

- [Vehicle](#)
Display of vehicle data
- [Engine](#)
Display of engine data such as current power and torque
- [Drive](#)
Display of current data of various drive elements such as current, voltage and temperature

Information about vehicle info

You can have important vehicle information displayed in the [Info](#) menu. At a glance you will have an overview of vehicle and engine data or current consumption values, for example. In addition, you can call up the Digital Owner's Manual via the [Owner's Manual](#) menu item.

VEHICLE DATA

THE FOLLOWING DATA WILL BE SHOWN, FOR EXAMPLE:

- Activity of the acceleration and brake pedal
- Activity of the suspension strut
- wheel angle
- G-force display for the linear and lateral acceleration

ENGINE DATA

THE FOLLOWING DATA IS SHOWN:

- Transmission oil temperature
- Engine/coolant temperature
- Performance
- Torque





- Boost pressure

CONSUMPTION DATA

Depending on your driving style, this display shows the current and average fuel consumption. Together with the displays of vehicle and engine data, you can adapt your driving style to be as efficient and economical as possible.

Information on MB Apps (Digital Extras)

VARIOUS SERVICES AND ONLINE FUNCTIONS ARE AVAILABLE VIA THE MB APPS MENU:

- Managing Digital Extras
- Using the dashcam
- Using the web browser to surf the Internet

You require a Mercedes me ID user account, and have to connect your vehicle with the user account, in order to be able to use services.

 If the Mercedes-Benz App is available on a mobile phone, the vehicle link can be made via the displayed QR code.

Please note that the available features are country-dependent.

Information on settings

In the [Settings](#) you can set the basic configuration for your multimedia system and the vehicle. You have access to all functions in this menu, from switching the driver assistance systems on and off to display and language settings.

THE SETTINGS ARE STRUCTURED IN THE FOLLOWING MENUS:

- Assistance
- Vehicle
- Lights
- System

ASSISTANCE MENU

With the [Assistance](#) menu you have direct access to the driver assistance systems which are installed in your vehicle and can either switch these on or off, or configure according to your wishes.

VEHICLE MENU

HERE YOU CAN ACTIVATE THE FOLLOWING FUNCTIONS, FOR EXAMPLE:

- Automatic folding in of the outside mirrors when parking the vehicle
- Automatic adjustment of the seat and steering wheel, for comfortable entry and exit from the vehicle
- Automatic activation of the 360° camera when selecting reverse gear

LIGHT MENU

All the light settings can be carried out in the [Lights](#) menu. You can activate or deactivate the Intelligent Light System here, set for how long your vehicle should remain lit after parking or unlocking or switch the function off.

SYSTEM MENU

All important settings for the multimedia system can be carried out in the [System](#) menu.

YOU CAN CARRY OUT THE FOLLOWING SETTINGS, FOR EXAMPLE:

- Setting the system language
- The configuration of Wi-Fi and Bluetooth®
- Setting of time and date





< At the filling station

Refuelling the vehicle

⚠ WARNING

Risk of fire or explosion from fuel

Fuels are highly flammable.

- ▶ Fire, naked flames, smoking and creating sparks must be avoided.
- ▶ Before refuelling, switch off the vehicle and, if fitted, the stationary heater and keep switched off during filling.

⚠ WARNING

Risk of injury from fuels

Fuels are poisonous and hazardous to your health.

- ▶ Do not swallow fuel or let it come into contact with skin, eyes or clothing.
- ▶ Do not inhale fuel vapour.
- ▶ Keep children away from fuel.
- ▶ Keep doors and windows closed during the refuelling process.

If you or other people come into contact with fuel, observe the following:

- ▶ Immediately rinse fuel off your skin with soap and water.
- ▶ If fuel comes into contact with your eyes, immediately rinse them thoroughly with clean water. Seek medical attention immediately.
- ▶ If you swallow fuel, seek medical attention immediately. Do not induce vomiting.
- ▶ Change immediately out of clothing that has come into contact with fuel.



**⚠ WARNING**

Risk of fire and explosion due to electrostatic charge

Electrostatic charge can ignite fuel vapour.

- ▶ Before you open the fuel filler cap or take hold of the pump nozzle, touch the metallic vehicle body.
- ▶ To avoid creating another electrostatic charge, do not get into the vehicle again during the refuelling process.

⚠ WARNING

Risk of fire from fuel mixture

Vehicles with a diesel engine:

If you mix diesel fuel with petrol, the flash point of the fuel mixture is lower than that of pure diesel fuel.

While the vehicle is running, component parts in the exhaust system may overheat without warning.

- ▶ Never refuel using petrol.
- ▶ Never mix petrol with diesel fuel.

! NOTE

Damage caused by the wrong fuel

Vehicles with a petrol engine:

Even small amounts of the wrong fuel could result in damage to the fuel system, the engine and the emission control system.

- ▶ Refuel only with unleaded, sulphur-free spark-ignition engine fuel.

Petrol can contain up to 25 Vol.-% ethanol by volume.

- ▶ See the information label in fuel filler flap for compatible fuels.

Further information about compatible fuels can be obtained at a qualified specialist workshop.

Throughout Europe you can also find the compatibility labels on the fuel pump or pump nozzle suitable for your vehicle.

NEVER REFUEL WITH ANY OF THE FOLLOWING FUELS:

- Diesel
- Regular petrol with an octane number lower than 91 RON
- Petrol with more than 3% methanol by volume, e.g. M15, M30
- Petrol with metallic additives

If you have accidentally refuelled with the wrong fuel:

- ▶ Do not switch on the vehicle.





- ▶ Consult a qualified specialist workshop.

**NOTE**

Damage caused by the wrong fuel

Vehicles with a diesel engine:

Even small amounts of the wrong fuel could result in damage to the fuel system, the engine and the emission control system.

Vehicles with diesel particulate filters:

- ▶ Refuel using only sulphur-free diesel fuel.
In countries without sulphur-free diesel fuel, refuel using only low-sulphur diesel fuel with a sulphur content of less than 50 ppm.

Vehicles without diesel particulate filters:

- ▶ Refuel using only diesel fuel with a sulphur content of less than 500 ppm.

NEVER REFUEL WITH ANY OF THE FOLLOWING FUELS:

- Petrol
- Marine diesel
- Heating oil
- Pure fatty acid methyl ester or vegetable oil
- Paraffin or kerosene

If you have accidentally refuelled with the wrong fuel:

- ▶ Do not switch on the vehicle.





- ▶ Consult a qualified specialist workshop.

! NOTE

Shorter maintenance intervals due to fuel with increased bio-contents

When fuels with increased bio-contents are used, fuel residues with increased separation volume may occur. If fuels with increased bio-contents (compatibility marks B10 and B20) are used on an ongoing basis, this may lead to shorter maintenance intervals for the fuel filter.

If the vehicle is not used for an extended period of time (several weeks):

- ▶ Refuel the vehicle beforehand with diesel fuel with bio-contents < 10% to avoid possible deposits of bio-contents in the fuel tank.

! NOTE

Do not use diesel to refuel vehicles with a petrol engine

IF YOU HAVE ACCIDENTALLY REFUELLED WITH THE WRONG FUEL:

- Do not switch on the vehicle. Otherwise fuel can enter the engine. Even small amounts of the wrong fuel could result in damage to the fuel system and the engine. The repair costs are high.
- ▶ Consult a qualified specialist workshop.
- ▶ Have the fuel tank and fuel lines drained completely.

! NOTE

Do not refuel diesel-engined vehicles with petrol

IF YOU HAVE ACCIDENTALLY REFUELLED WITH THE WRONG FUEL:

- Do not switch on the vehicle. Otherwise fuel can enter the engine. Even small amounts of the wrong fuel could result in damage to the fuel system and the engine. The repair costs are high.
- ▶ Consult a qualified specialist workshop.
- ▶ Have the fuel tank and fuel lines drained completely.

! NOTE

Damage to the fuel system due to overfilling the fuel tank

- ▶ Only fill the fuel tank until the pump nozzle switches off.

If too much fuel has been added due, for example, to a faulty filling pump:

- ▶ Do not switch on the vehicle.
- ▶ Consult a qualified specialist workshop.

! NOTE

Fuel may spray out when you remove the fuel pump nozzle

- ▶ Only fill the fuel tank until the pump nozzle switches off.



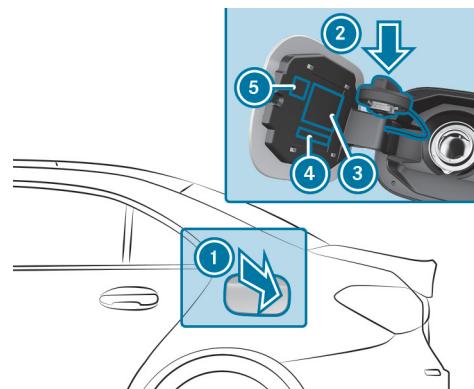


Requirements:

- The vehicle is unlocked.
- Plug-in hybrid with petrol engine:** the fuel tank was vented before refuelling (→ page 333).

Observe the notes on operating fluids and fuel.

The recommended octane number for your vehicle can be found on the information label on the inside of the fuel filler flap.



- Fuel filler flap
- Bracket for the fuel filler cap
- Tyre pressure table
- Fuel type
- QR code for rescue card

Plug-in hybrid with petrol engine: the fuel filler flap opens automatically after the fuel tank has been vented (→ page 333).

- Press on the centre rear of the fuel filler flap ①.
- Turn the fuel filler cap counter-clockwise and remove it.
- Insert fuel filler cap from above into bracket ②.
- Completely insert the pump nozzle into the tank filler neck, hook in place and refuel.
- Only fill the fuel tank until the pump nozzle switches off.

i Vehicles with diesel engine: The tank filler neck is designed for refuelling at diesel filling pumps. In order to prevent incorrect fuel from being filled, your vehicle is equipped with an incorrect fuelling protector. This function may be deactivated in some countries due to local conditions. For more information, consult a Mercedes-Benz Service Centre.

i Vehicles with diesel engine: Do not run the fuel tank empty. When the fuel tank is completely empty, top up with at least 5 l diesel before starting the vehicle.

i Vehicles with diesel engine: Use a filler neck with a large diameter for vehicles with a diesel engine when topping up fuel from a canister. Otherwise, the filler neck cannot slide into the tank filler neck. In order to prevent incorrect fuel from being filled, your vehicle is equipped with an incorrect fuelling protector. This function may be deactivated in some countries due to local conditions. For more information, consult a Mercedes-Benz Service Centre.



- ▶ Replace the fuel filler cap on the tank filler neck and turn clockwise until it engages audibly.
- ▶ Close fuel filler flap ①.

Topping up AdBlue®

! NOTE

Engine damage due to AdBlue® being in the fuel

- ▶ AdBlue® must not be used to fill the fuel tank.
- ▶ Only use AdBlue® to fill the AdBlue® tank.
- ▶ Do not overfill the AdBlue® tank.

! NOTE

Contamination of the vehicle interior due to AdBlue® leakage

- ▶ After topping up, carefully close the AdBlue® refill container.
- ▶ Avoid carrying AdBlue® refill containers permanently in the vehicle.

Requirements:

- The vehicle is unlocked.

THE FOLLOWING MESSAGES APPEAR IN ORDER ON THE DRIVER DISPLAY WHEN THE ADBLUE® TANK REQUIRES TOPPING UP:

- [Refill AdBlue See Owner's Manual](#). The AdBlue® level has fallen below the reserve range. Add at least 5 l AdBlue®.
- [Top up AdBlue Emergency op. in XXX km See Owner's Manual](#). The low AdBlue® level will lead to limited performance after the remaining distance displayed has been driven. Add at least 5 l AdBlue®.
- [Top up AdBlue XX,X | Emerg. op.: max. XXX km/h Start not poss. in XXX km](#). The low AdBlue® level will lead to limited performance from the speed displayed. After the remaining distance displayed has been driven, it will no longer be possible to start the vehicle. Add at least the indicated quantity of AdBlue®.
- [Top up XX,X | AdBlue Switch vehicle on, wait 60 sec. or engine start not poss](#). The AdBlue® tank is empty. You can no longer start the vehicle. Add at least the indicated quantity of AdBlue®. Switch on the vehicle and wait approx. 60 seconds. Start the vehicle.

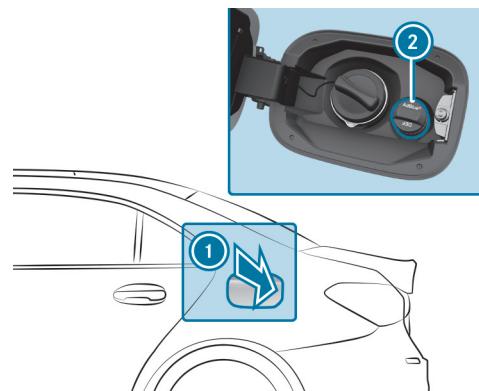
You can display the AdBlue® range and level on the driver display in the menu [Service](#).

-  The AdBlue® range shown is highly dependent upon driving style and operating conditions. The actual range can therefore deviate from the calculated range.





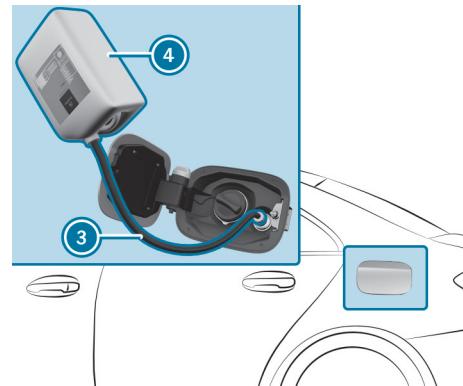
OPENING THE ADBLUE® FILLER CAP



- ▶ Press on the centre rear of the fuel filler flap ①.
 - ▶ Turn AdBlue® filler cap ② counter-clockwise and remove it.
- i** You can also place the AdBlue® filler cap in the filler cap holder in the hinge arm of the fuel filler flap.

TOPPING UP ADBLUE®

Mercedes-Benz recommends that you top up AdBlue® at a pump system. If there is no AdBlue® pump system available you can also top up AdBlue® with a canister.



- ▶ Unscrew the cap of the AdBlue® refill canister ④.
- ▶ Screw disposable hose ③ onto the opening of AdBlue® refill canister ④ until hand-tight.
- ▶ Screw disposable hose ③ onto the filler neck of the vehicle until hand-tight.
- ▶ Lift up and tip AdBlue® refill canister ④.
The filling process stops when the AdBlue® tank is completely full.
AdBlue® refill canister ④ can be removed when it has been only partially emptied.
- ▶ Unscrew disposable hose ③ and close AdBlue® refill canister ④ in reverse order.
- ▶ Replace AdBlue® filler cap ② and turn it clockwise until it audibly engages.
- ▶ Close fuel filler flap ①.
- ▶ Switch on the vehicle for at least 60 seconds.





ⓘ If it was no longer possible to start the vehicle due to the empty AdBlue® tank, it takes up to 60 seconds for topping up to be detected.

- ▶ Start the vehicle.

ⓘ Avoid storing AdBlue® refill containers permanently in the vehicle.

Topping up the windscreen washer system

DANGER

Risk of fatal injuries when carrying out maintenance work during the charging process

During the charging process, the high-voltage on-board electrical system is under high voltage.

- ▶ Do not perform any maintenance work during the charging process.

⚠ WARNING

Risk of burns when opening the bonnet

IF YOU OPEN THE BONNET IN THE EVENT OF AN OVERHEATED ENGINE OR FIRE IN THE ENGINE COMPARTMENT, THE FOLLOWING SITUATIONS MAY OCCUR:

- You may come into contact with hot gases.
- You may come into contact with other escaping hot operating fluids.
- ▶ Before opening the bonnet, allow the engine to cool down.
- ▶ In the event of a fire in the engine compartment, keep the bonnet closed and call the fire service.

⚠ WARNING

Risk of injury due to moving parts

Components in the engine compartment may continue to run or start unexpectedly even when the drive system is switched off.

Observe the following if you must open the bonnet:

- ▶ Switch off the vehicle.
- ▶ Never touch the danger zones surrounding moving components, e.g. the rotation area of the fan.
- ▶ Remove jewellery and watches.
- ▶ Keep items of clothing and hair away from moving parts.




⚠ WARNING

Risk of burns from hot component parts in the engine compartment

Certain component parts in the engine compartment can be very hot, e.g. the engine, the cooler and parts of the exhaust system.

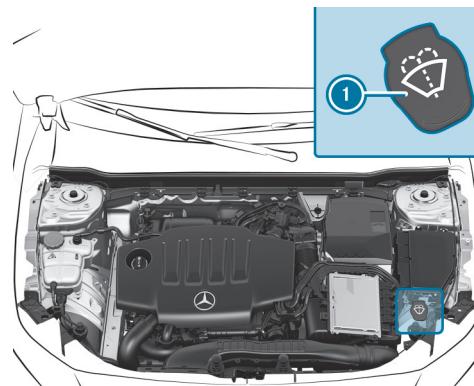
- ▶ Allow the engine to cool down and only touch component parts described in the following.

⚠ WARNING

- Risk of fire and injury due to windscreen washer concentrate

Windscreen washer concentrate is highly flammable. It could ignite if it comes into contact with hot engine component parts or the exhaust system.

- ▶ Make sure that no windscreen washer concentrate spills out next to the filler opening.



- ▶ Remove cap 1 by the tab.

- ▶ Top up the washer fluid.

Replacing the windscreen wiper blades

⚠ WARNING

Risk of becoming trapped if the windscreen wipers are switched on while wiper blades are being replaced

If the windscreen wipers begin to move while you are changing the wiper blades, you can be trapped by the wiper arm.

- ▶ Always switch off the windscreen wipers and vehicle before changing the wiper blades.

MOVING THE WIPER ARMS INTO THE REPLACEMENT POSITION

- ▶ Switch the vehicle on and then off again immediately.
- ▶ Within around 15 seconds, press and hold the button on the combination switch for approximately three seconds (→ page 264).
The wiper arms will move into the replacement position.

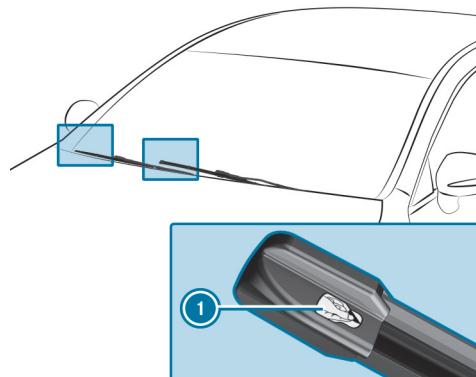
i Check the condition of the wiper blades regularly and replace them in the event of visible damage or ongoing smearing.

- ▶ Observe the information about the service indicator.





SERVICE INDICATOR



- ▶ Remove protective film ① from the service indicators on the tips of the newly fitted wiper blades.

When the colour of the service indicator changes from black to yellow, replace the wiper blades.

(i) The time it takes for the colour to change will vary depending on the usage conditions.

Checking the engine oil level using the driver's display

Requirements

- The engine has been warmed up.
- The vehicle is parked on a level surface.
- The engine is running at idle speed.

- The bonnet is closed.

Determining the engine oil level can take up to 30 minutes with a normal driving style and even longer with an active driving style.

Driver display:



The engine oil level is shown.

ONE OF THE FOLLOWING MESSAGES WILL APPEAR ON THE DRIVER'S DISPLAY:

- **Engine oil level Measuring now...**: the engine oil level cannot be determined yet.
▶ Repeat the request after a maximum of 30 minutes' driving.
- **Engine oil level OK** and the bar display for indicating the engine oil level on the driver's display is green and is between "min" and "max": the engine oil level is correct.
- **Engine oil level Top up 1,0 l** and the bar display for indicating the engine oil level on the driver's display is yellow and is below "min":
▶ Add 1 l of engine oil.
- **Engine oil level Reduce** and the bar display for indicating the engine oil level on the driver's display is yellow and is above "max":
▶ Drain off any excess engine oil that has been added. To do so, consult a qualified specialist workshop.





- For engine oil level, switch on vehicle
- ▶ Switch on the vehicle to check the engine oil level.
- Engine oil level System inoperative: The oil level sensor is defective or not connected.
- ▶ Consult a qualified specialist workshop.
- Engine oil level System currently inoperative
- ▶ Close the bonnet.

! NOTE

Damage from automatic braking

IF ONE OF THE FOLLOWING FUNCTIONS IS ACTIVATED, THE VEHICLE WILL BRAKE AUTOMATICALLY IN CERTAIN SITUATIONS:

- Active Brake Assist
- Active Distance Assist DISTRONIC
- HOLD function
- Active Parking Assist

To avoid damaging the vehicle, deactivate these systems e.g. during towing or in the car wash.

Information on washing the vehicle in a car wash

! WARNING

Risk of an accident due to reduced braking power after washing the vehicle

Braking efficiency is reduced after washing the vehicle.

- ▶ After the vehicle has been washed, brake carefully while paying attention to the traffic conditions until braking power has been fully restored.

! NOTE

Damage due to unsuitable car wash

- ▶ Before driving into a car wash make sure that the car wash is suitable for the vehicle dimensions.
- ▶ Ensure there is sufficient ground clearance between the underbody and the guide rails of the car wash.
- ▶ Ensure that the clearance width of the car wash, in particular the width of the guide rails, is sufficient.

TO AVOID DAMAGE TO YOUR VEHICLE WHEN USING A CAR WASH, ENSURE THE FOLLOWING BEFOREHAND:

- Active Distance Assist DISTRONIC is deactivated.
- the HOLD function is switched off.
- the 360° Camera or the reversing camera is switched off.



- the side windows and sliding sunroof are completely closed.
- the blower for the ventilation and heating is switched off.
- the windscreens wiper switch is in position **0**.
- the key is at a minimum distance of 3 m away from the vehicle. Otherwise the boot lid could open unintentionally.
- for car washes with a conveyor system:
 - neutral **N** is engaged.
 - If you would like to leave the vehicle while it is being washed, make sure the key is located in the vehicle. The park position **P** is otherwise automatically engaged.

i If, after the car wash, you remove the wax from the windscreens and wiper rubbers, this will prevent smearing and reduce wiper noise.





< Preparing for a holiday

Notes on adjusting the lights when driving abroad

It is not necessary to adjust the headlamps. The legal requirements are also met in countries in which traffic drives on the other side of the road.

Notes on regularly inspecting wheels and tyres

⚠ WARNING

Risk of injury due to damaged tyres

Damaged tyres can cause tyre pressure loss.

- ▶ Check the tyres regularly for signs of damage and replace any damaged tyres immediately.

⚠ WARNING

Risk of aquaplaning due to insufficient tyre tread

Insufficient tyre tread will result in reduced tyre grip. There is a risk of an accident.

On a wet road surface the risk of aquaplaning is increased, in particular where speed is not adapted to suit the conditions.

- ▶ Check the tread depth and the condition of the tyre contact surface across the entire width of all tyres on a regular basis.

MINIMUM TREAD DEPTH FOR

- Summer tyres: 3 mm
- M+S tyres: 4 mm
- ▶ For safety reasons, replace the tyres before the legally-prescribed limit for the minimum tread depth is reached.
- ▶ Replace the tyres immediately if the legally-prescribed limit for the minimum tread depth is reached.

CARRY OUT THE FOLLOWING CHECKS ON ALL WHEELS REGULARLY, AT LEAST ONCE A MONTH OR AS REQUIRED, FOR EXAMPLE, PRIOR TO A LONG JOURNEY OR DRIVING OFF-ROAD:

- Check the tyre pressure (→ page 664).

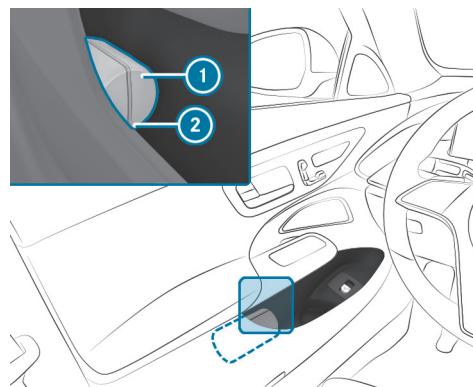




- Visually inspect wheels and tyres for damage.
- Check the valve caps.
- Visual check of the tyre tread depth and the tyre contact surface across the entire width.

The minimum tread depth for summer tyres is 3 mm and for winter tyres 4 mm.

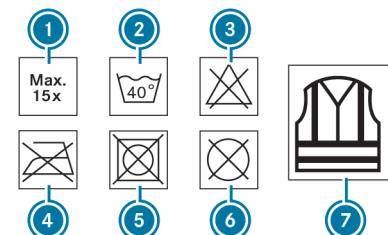
Removing the safety vest



There is a safety vest stowage recess in the door stowage compartments of all doors for storing the safety vests.

- ▶ To remove: pull out the safety vest bag ① using the loop ②.
- ▶ Open the safety vest bag ① and take out the safety vest.
- ▶ To replace: fold the safety vest, roll it up and insert it into the safety vest bag ①.
- ▶ Slide the safety vest bag ① along the underside of the armrest into the safety vest stowage recess. Ensure that the loop ② remains hanging out so that it is easy to grasp.

- i** Remove the packaging film from a new safety vest before sliding it into the safety vest stowage recess. Otherwise, it may slide out unintentionally or the packaging may hinder its removal. Observe the legal requirements for the individual countries.



- ① Maximum number of washes
- ② Maximum wash temperature
- ③ Do not bleach
- ④ Do not iron
- ⑤ Do not tumble dry
- ⑥ Do not dry clean
- ⑦ Class 2 safety vest

The requirements defined by the legal standard are only fulfilled if the safety vest is the correct size and is fully closed.

EXCHANGE THE SAFETY VEST IN THE FOLLOWING CASES:

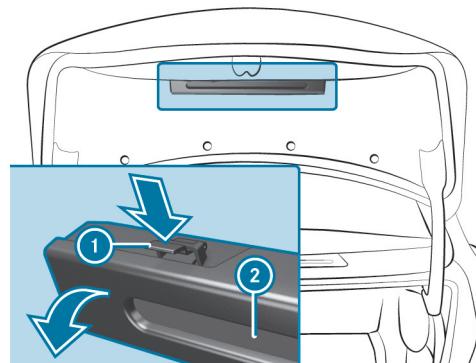
- The reflective strips are damaged or dirty.
- The maximum permissible number of washes is exceeded.
- The fluorescence property decreases, e.g. due to permanent exposure to sunlight.



DISPOSE OF THE SAFETY VEST IN AN ENVIRONMENTALLY FRIENDLY WAY:

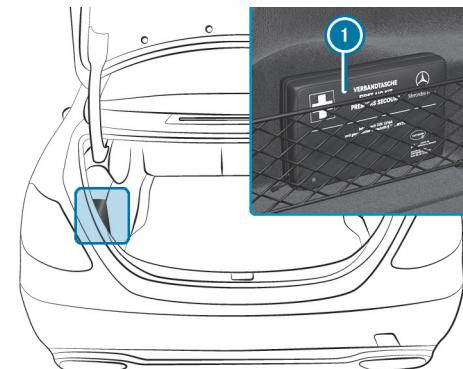
- Please contact your local waste disposal company.

Removing the warning triangle



- Push both sides of the warning triangle holder ① in the direction of the arrow and open it.
- Remove the warning triangle ②.

First-aid kit (soft sided) overview



The first-aid kit (soft sided) ① is located in the boot on the left in the stowage net.

Depending on the respective vehicle version, the first-aid kit (soft sided) ① may be located in other positions in the boot

Map data update overview

As the content of a digital road map has a short life, outdated data may have a negative effect on all navigation functions. For the best MBUX navigation experience, you should install all of the map updates offered by Mercedes-Benz.

THE FOLLOWING OPTIONS ARE AVAILABLE FOR THE UPDATE OF MAP DATA:

- Online map update
- Updates via the Mercedes-Benz Portal
- Update at a Mercedes-Benz service centre



Additional costs can be incurred in this process.

UPDATES FROM THE MERCEDES ME PORTAL

The map data for several regions can also be updated manually. Log in with your Mercedes me user account at: <https://www.mercedes-benz.de/>

Follow the menu path [My Mercedes-Benz account](#) > [My vehicles](#) > [Selection of car](#) > [Online Map Update](#). Select the regions to be downloaded to a storage medium.

After the map data has been copied, connect the storage medium with your vehicle. Select the notification with information about a new version of the map data and start the installation. After the MBUX multimedia system has been restarted, the updated map data is used.

Entering a POI or address

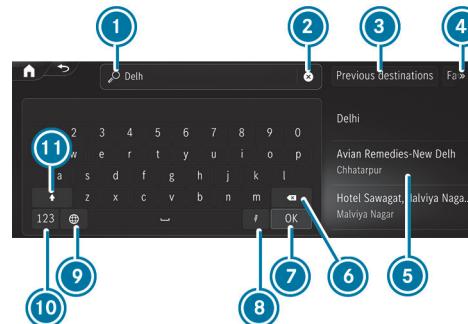
Requirements:

- For the online search:

- There is an Internet connection.
- Mercedes-Benz Connect is available.
- You have created a Mercedes me ID in the Mercedes-Benz Portal.
- The vehicle is linked to the Mercedes me ID and you have accepted the terms of use.
- Further information can be found at: <https://www.mercedes.me>
- The Digital Extra is available.
- The Digital Extra has been activated at a Mercedes-Benz service centre.

i If Online Search is not available, the search is performed using the data of the digital map.

Multimedia system:



Example: entering a POI or address

- Input line with current entry
- Deletes an entry
- Selects previous destinations
- Displays and selects additional destination searches
- Search result
- Deletes the last character entered
- Hides the keypad
- Switches to handwriting recognition (→ page 492)
- Sets the written language
- Switches to digits, special characters and symbols
- Switches to upper-case or lower-case letters

If available, selecting the symbol starts the MBUX Voice Assistant.



 Observe the notes on destination entry (→ page 518).

- ▶ Enter a destination. The entries can be made in any order.
The search results are displayed in a list.

 Online search results for POIs may contain additional information, for example opening times and ratings. The information is provided by an online map service.
This online function is not available in all countries.

THE FOLLOWING ENTRIES CAN BE MADE, FOR EXAMPLE IN ①:

- Town, street, house number or street, town
 - Postcode
 - POI name or POI category, e.g. **Restaurants**
 - Town, POI name
 - Contact name
 - Geo-coordinates (→ page 522)
-
- ▶ Hide the keyboard with **OK**.
 - ▶ Select the destination in the list.
The following menu shows the selected destination with the address information and a corresponding map section.
The menu enables the route to be calculated.

Searching for radio stations using station names or frequency entry

Multimedia system:



- ▶ Select **Radio**.
- ▶ Enter a station name or frequency.
- ▶ Select a station.



< Luggage and loading

Attaching a roof luggage rack

WARNING

Risk of accident due to exceeding the maximum roof load

The vehicle centre of gravity and the usual driving characteristics as well as the steering and braking characteristics alter.

If you exceed the maximum roof load, the driving characteristics, as well as steering and braking, will be greatly impaired.

- ▶ Never exceed the maximum roof load and adjust your driving style.

You will find information on the maximum roof load in the "Technical data" section.



NOTE

Vehicle damage due to failure to observe the maximum permissible clearance height

If the vehicle height exceeds the maximum permissible clearance height, the roof and other vehicle parts may be damaged.

- ▶ Please observe the indicated maximum clearance height.
- ▶ If the vehicle exceeds the permissible clearance height, do not drive in.
- ▶ Take the modified vehicle height in the case of roof superstructures or other carrier systems into account.

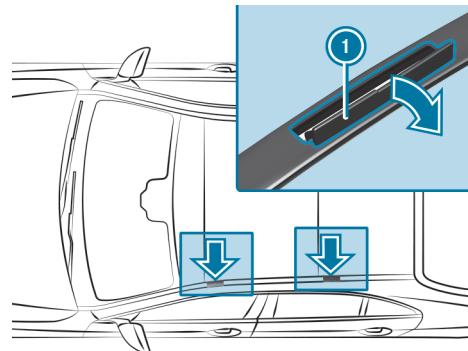


**! NOTE**

Vehicle damage from non-approved roof luggage racks

The vehicle could be damaged by roof luggage racks that have not been tested and approved for Mercedes-Benz.

- ▶ Use only roof luggage racks tested and approved for Mercedes-Benz.
- ▶ Depending on the vehicle equipment, ensure that the sliding sunroof can be fully raised when the roof luggage rack is fitted.
- ▶ Depending on the vehicle equipment, ensure that the boot lid can be fully opened when the roof luggage rack is fitted.
- ▶ Position the load on the roof luggage rack in such a way that the vehicle will not sustain damage even when it is in motion.

**! NOTE**

Damage to the covers

The covers may be damaged and scratched when being opened.

- ▶ Do not use metallic or hard objects.

! NOTE

Damage to the panorama sliding sunroof due to non-approved roof luggage racks

The panorama sliding sunroof may be damaged by the roof luggage rack if you attempt to open it when using a roof luggage rack not tested and approved for Mercedes-Benz.

- ▶ When a roof luggage rack is fitted, open the panorama sliding sunroof only if this has been tested and approved for Mercedes-Benz.

The panorama sliding sunroof may be raised to allow ventilation of the vehicle interior.

- ▶ Fold covers ① carefully upwards in the direction of the arrow.
- ▶ Secure the roof luggage rack to the fastening points beneath covers ①.
- ▶ Comply with the installation instructions of the roof luggage rack manufacturer.
- ▶ Secure the load on the roof luggage rack.





Folding the rear seat backrest forwards

⚠ WARNING

Risk of accident if the rear bench seat, rear seat and seat backrest are not engaged

The rear bench seat, rear seat and seat backrest may fold forwards, even while the vehicle is in motion.

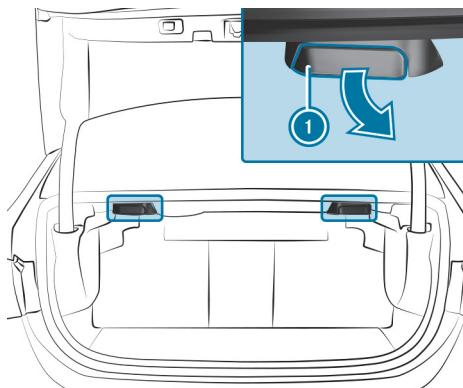
- As a result, the vehicle occupant will be pressed into the seat belt with increased force. The seat belt will not be able to protect as intended and could cause additional injury.
- Objects or loads in the boot or load compartment cannot be restrained by the seat backrest.
- Make sure that the rear bench seat, the rear seat and the seat backrest are engaged before every trip.

If the seat backrests are not engaged and locked in place, the lock verification indicator will be red.

Requirements

- To fold the centre seat backrest forwards: the centre seat backrest has been unlocked.

You can fold the centre and outer seat backrests forwards separately.

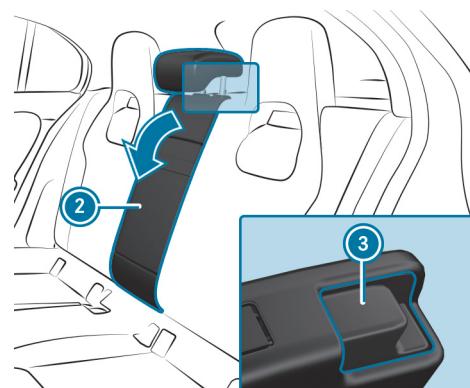


Vehicles with a memory function: if necessary, when the seat backrest in the rear is folded forward, the front seat will move forwards slightly to avoid a collision.

- If necessary, fully insert the head restraints in the rear seat backrest.

The release handles are located beneath the rear shelf.

- **To fold the left and right seat backrests forward:** pull right or left release handle (1) and fold the corresponding seat backrest forwards.





- ▶ **To fold the centre seat backrest forwards:** pull release catch ③ of seat backrest ② forwards.
- ▶ Fold seat backrest ② forwards.
- ▶ If necessary, reset the driver's or front passenger seat.

Folding back the rear seat backrest

⚠ WARNING

Risk of becoming trapped when adjusting the seats

When you adjust a seat, you may trap yourself or a vehicle occupant.

- ▶ When adjusting a seat, make sure that no one has any body parts in the sweep of the seat.

⚠ WARNING

Risk of accident if the rear bench seat, rear seat and seat backrest are not engaged

The rear bench seat, rear seat and seat backrest may fold forwards, even while the vehicle is in motion.

- As a result, the vehicle occupant will be pressed into the seat belt with increased force. The seat belt will not be able to protect as intended and could cause additional injury.
- Objects or loads in the boot or load compartment cannot be restrained by the seat backrest.
- ▶ Make sure that the rear bench seat, the rear seat and the seat backrest are engaged before every trip.

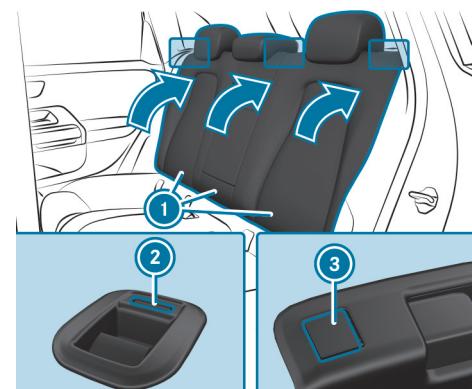
If the seat backrests are not engaged and locked in place, the red lock verification indicator will be visible.

! NOTE

Damage caused by trapping the seat belt when folding back the seat backrest

The seat belt could become trapped and thus be damaged when the seat backrest is folded back.

- ▶ Make sure that the seat belt is not trapped when folding back the seat backrest.
- ▶ Move the driver's or front passenger seat forwards, if necessary.



- ▶ Fold corresponding seat backrest ① back until it engages.

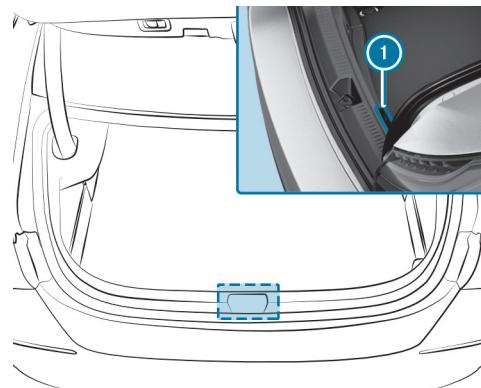
Left and right seat backrests: if the seat backrest is not engaged and locked in place, red lock verification indicator ② will be visible.

Centre seat backrest: if the seat backrest is not engaged and locked in place, red lock verification indicator ③ will be visible.





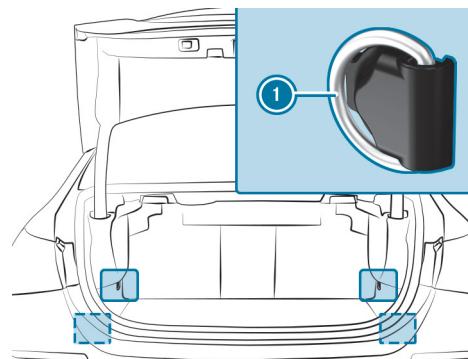
Opening and closing the stowage space under the boot floor



- ▶ **To open:** lift the boot floor at recess ① and swing it upwards.
- ▶ **To close:** fold the boot floor downwards.

Overview of the tie-down eyes

Observe the notes on loading the vehicle (→ page 233).



- ① Tie-down eyes (vehicles with through-loading feature in the rear bench seat)





Overview of the front storage compartments

⚠ WARNING

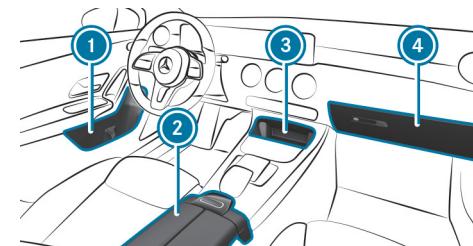
Risk of injury due to objects being stowed incorrectly

If objects in the vehicle interior are stowed incorrectly, they can slide or be thrown around and hit vehicle occupants. In addition, cup holders, open stowage spaces and mobile phone receptacles cannot always retain all objects within.

There is a risk of injury, particularly in the event of sudden braking or a sudden change in direction.

- ▶ Always stow objects so that they cannot be thrown around in such situations.
- ▶ Always make sure that objects do not protrude from stowage spaces, luggage nets or stowage nets.
- ▶ Close the lockable stowage spaces before starting a journey.
- ▶ Always stow and secure heavy, hard, pointed, sharp-edged, fragile or bulky objects in the boot/load compartment.

Observe the notes on loading the vehicle.



① Stowage spaces in the doors

② Storage compartment in the armrest with a multimedia and USB connection

③ Storage compartment in the front centre console with a USB port

④ Glove compartment





< Ice and snow

Notes on regularly inspecting wheels and tyres

WARNING

Risk of injury due to damaged tyres

Damaged tyres can cause tyre pressure loss.

- ▶ Check the tyres regularly for signs of damage and replace any damaged tyres immediately.

WARNING

Risk of aquaplaning due to insufficient tyre tread

Insufficient tyre tread will result in reduced tyre grip. There is a risk of an accident.

On a wet road surface the risk of aquaplaning is increased, in particular where speed is not adapted to suit the conditions.

- ▶ Check the tread depth and the condition of the tyre contact surface across the entire width of all tyres on a regular basis.

MINIMUM TREAD DEPTH FOR

- Summer tyres: 3 mm
- M+S tyres: 4 mm
- ▶ For safety reasons, replace the tyres before the legally-prescribed limit for the minimum tread depth is reached.
- ▶ Replace the tyres immediately if the legally-prescribed limit for the minimum tread depth is reached.

CARRY OUT THE FOLLOWING CHECKS ON ALL WHEELS REGULARLY, AT LEAST ONCE A MONTH OR AS REQUIRED, FOR EXAMPLE, PRIOR TO A LONG JOURNEY OR DRIVING OFF-ROAD:

- Check the tyre pressure (→ page 664).



- Visually inspect wheels and tyres for damage.
- Check the valve caps.
- Visual check of the tyre tread depth and the tyre contact surface across the entire width.

The minimum tread depth for summer tyres is 3 mm and for winter tyres 4 mm.

Setting the speed limit for winter tyres

Multimedia system:

- ▶  ➡ Settings ➡ Vehicle ➡ Driving ➡ Winter tyre limit
 ▶ Activate or deactivate [Winter tyre limit](#).

SETTING A SPEED

- ▶ Select [Winter tyre limit](#).
- ▶ Select a speed.

Notes on snow chains

⚠ WARNING

Risk of accident due to incorrectly fitted snow chains

If you have fitted snow chains to the rear wheels, they may drag against the vehicle body or chassis components.

- ▶ Never fit snow chains on the rear wheels.
- ▶ Only fit snow chains on the front wheels in pairs.

! NOTE

Damage to vehicle body or suspension components caused by fitted snow chains

On 4MATIC vehicles, if you fit snow chains on the rear wheels, you can damage vehicle body or suspension components.

- ▶ On 4MATIC vehicles, only fit snow chains on the front wheels.

OBSERVE THE FOLLOWING NOTES WHEN USING SNOW CHAINS:

- Snow chains are only permissible for certain wheel/tyre combinations. You can obtain information about this from a Mercedes-Benz Service Centre.
- For safety reasons, only use snow chains that have been specifically approved for your vehicle by Mercedes-Benz, or snow chains of the same quality standard.
- If snow chains are fitted, the maximum permissible speed is 50 km/h.
- **Vehicles with Active Parking Assist:** Do not use Active Parking Assist when snow chains are fitted.

ⓘ

You can permanently limit the speed for driving with winter tyres
 (→ page 381).

ⓘ

You can deactivate ESP® to start off (→ page 371). This allows the wheels to spin, achieving increased tractive power.





Notes on windscreen washer fluid

Observe the notes on operating fluids (→ page 750).

⚠ WARNING

- Risk of fire and injury due to windscreen washer concentrate

Windscreen washer concentrate is highly flammable. It could ignite if it comes into contact with hot engine component parts or the exhaust system.

- ▶ Make sure that no windscreen washer concentrate spills out next to the filler opening.

! NOTE

Damage to the exterior lighting due to unsuitable windscreen washer fluid

Unsuitable windscreen washer fluids may damage the plastic surface of the exterior lighting.

- ▶ Only use windscreen washer fluids which are also suitable for use on plastic surfaces, e.g. MB SummerFit or MB WinterFit.

! NOTE

Blocked spray nozzles caused by mixing windscreen washer fluids

- ▶ Do not mix MB SummerFit and MB WinterFit with other windscreen washer fluids.

Do not use distilled or de-ionised water. Otherwise, the fill level sensor may be triggered erroneously.

RECOMMENDED WINDSCREEN WASHER FLUID:

- above freezing point: e.g. MB SummerFit
- below freezing point: e.g. MB WinterFit

For the correct mixing ratio, refer to the information on the antifreeze container.

Mix washer fluid with windscreen washer fluid all year round.

Topping up the windscreen washer system

⚠ DANGER

Risk of fatal injuries when carrying out maintenance work during the charging process

During the charging process, the high-voltage on-board electrical system is under high voltage.

- ▶ Do not perform any maintenance work during the charging process.

**⚠ WARNING**

Risk of burns when opening the bonnet

IF YOU OPEN THE BONNET IN THE EVENT OF AN OVERHEATED ENGINE OR FIRE IN THE ENGINE COMPARTMENT, THE FOLLOWING SITUATIONS MAY OCCUR:

- You may come into contact with hot gases.
- You may come into contact with other escaping hot operating fluids.
- ▶ Before opening the bonnet, allow the engine to cool down.
- ▶ In the event of a fire in the engine compartment, keep the bonnet closed and call the fire service.

⚠ WARNING

Risk of injury due to moving parts

Components in the engine compartment may continue to run or start unexpectedly even when the drive system is switched off.

Observe the following if you must open the bonnet:

- ▶ Switch off the vehicle.
- ▶ Never touch the danger zones surrounding moving components, e.g. the rotation area of the fan.
- ▶ Remove jewellery and watches.
- ▶ Keep items of clothing and hair away from moving parts.

⚠ WARNING

Risk of burns from hot component parts in the engine compartment

Certain component parts in the engine compartment can be very hot, e.g. the engine, the cooler and parts of the exhaust system.

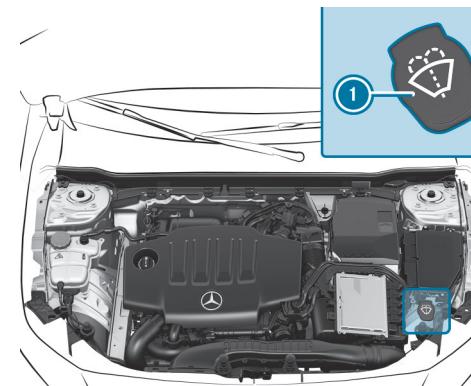
- ▶ Allow the engine to cool down and only touch component parts described in the following.

⚠ WARNING

- Risk of fire and injury due to windscreen washer concentrate

Windscreen washer concentrate is highly flammable. It could ignite if it comes into contact with hot engine component parts or the exhaust system.

- ▶ Make sure that no windscreen washer concentrate spills out next to the filler opening.





- ▶ Remove cap ① by the tab.
- ▶ Top up the washer fluid.

Replacing the windscreen wiper blades

⚠ WARNING

Risk of becoming trapped if the windscreen wipers are switched on while wiper blades are being replaced

If the windscreen wipers begin to move while you are changing the wiper blades, you can be trapped by the wiper arm.

- ▶ Always switch off the windscreen wipers and vehicle before changing the wiper blades.

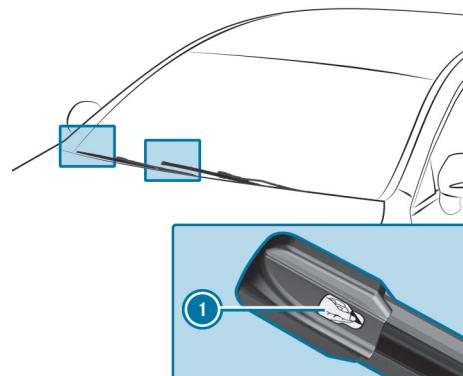
MOVING THE WIPER ARMS INTO THE REPLACEMENT POSITION

- ▶ Switch the vehicle on and then off again immediately.
- ▶ Within around 15 seconds, press and hold the  button on the combination switch for approximately three seconds (→ page 264).

The wiper arms will move into the replacement position.

- ⓘ Check the condition of the wiper blades regularly and replace them in the event of visible damage or ongoing smearing.
- ▶ Observe the information about the service indicator.

SERVICE INDICATOR



- ▶ Remove protective film ① from the service indicators on the tips of the newly fitted wiper blades.

When the colour of the service indicator changes from black to yellow, replace the wiper blades.

- ⓘ The time it takes for the colour to change will vary depending on the usage conditions.





Switching the stationary heater/ventilation on/off via the operating unit

DANGER

Risk of fatal injury due to poisonous exhaust gases

If the tailpipe is blocked or sufficient ventilation is not possible, poisonous exhaust gases such as carbon monoxide may enter the vehicle. This is the case in enclosed spaces or if the vehicle gets stuck in snow, for example.

- ▶ Always switch the stationary heater off in enclosed spaces without an air extraction system, e.g. in garages.
- ▶ Keep the tailpipe and the area around the vehicle free from snow when the engine or the stationary heater is running.
- ▶ Open a window on the side of the vehicle facing away from the wind to ensure an adequate supply of fresh air.

WARNING

Risk of fire due to hot stationary heater components and exhaust gases

Flammable materials such as leaves, grass or twigs may ignite.

- ▶ When the stationary heater is switched on, make sure that:
 - hot vehicle parts do not come into contact with flammable materials.
 - the exhaust gas can flow out of the stationary heater exhaust pipe unhindered.
 - the exhaust gas does not come into contact with flammable materials.

NOTE

Battery discharge caused by stationary heater or stationary ventilation operation

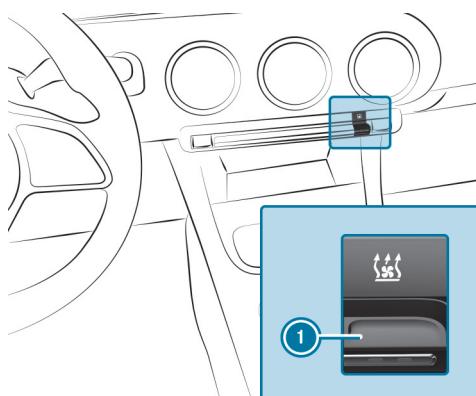
Operating the stationary heater or stationary ventilation drains the battery.

- ▶ After heating or ventilating the vehicle twice, drive for a longer period of time.

Requirements

- The fuel tank is at least ¼ full.





- ▶ Set the desired temperature using the button.
- ▶ Press button ①.
The red or blue indicator lamp on button ① will light up or go out.

THE COLOURS OF THE INDICATOR LAMP HAVE THE FOLLOWING MEANINGS:

- **Blue:** stationary ventilation is switched on.
- **Red:** the stationary heater is switched on.
- **Yellow:** the departure time is preselected.

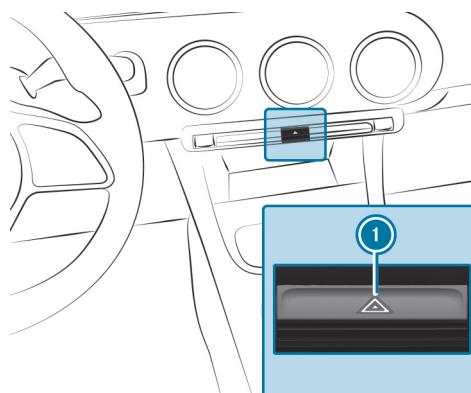
The stationary heater/ventilation will switch off automatically after 50 minutes.





< Help in the event of a breakdown

Activating/deactivating the hazard warning lights



- ▶ Press button ①.

THE HAZARD WARNING LIGHTS WILL SWITCH ON AUTOMATICALLY IF:

- the airbag has been deployed.
- the vehicle brakes are applied heavily from a speed of more than 70 km/h to a standstill.
- an emergency stop has been initiated (→ page 391)

When you pull away again, the hazard warning light system will switch off automatically at approximately 10 km/h. You can also switch off the hazard warning light system using button ①.

Removing the fire extinguisher

⚠ WARNING

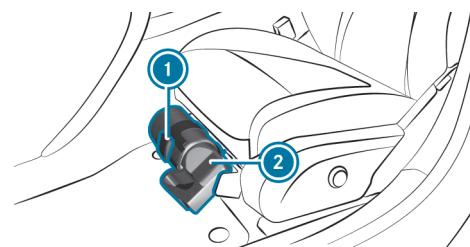
Risk of accident due to an incorrectly secured fire extinguisher in the driver's footwell

A fire extinguisher may impede pedal travel or block a depressed pedal.

This jeopardises the operating and road safety of the vehicle.

The fire extinguisher can be flung around and injure the driver or other vehicle occupants.

- ▶ Always store and secure the fire extinguisher in the bracket.
- ▶ Do not remove the fire extinguisher while driving.

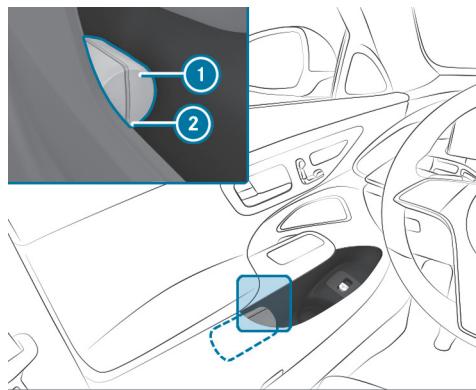


- ▶ Pull the tab ① upwards.
- ▶ Fold the tab ① down.



- ▶ Remove the fire extinguisher ②.

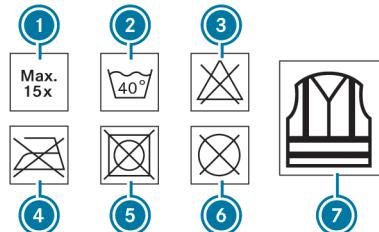
Removing the safety vest



There is a safety vest stowage recess in the door stowage compartments of all doors for storing the safety vests.

- ▶ To remove: pull out the safety vest bag ① using the loop ②.
- ▶ Open the safety vest bag ① and take out the safety vest.
- ▶ To replace: fold the safety vest, roll it up and insert it into the safety vest bag ①.
- ▶ Slide the safety vest bag ① along the underside of the armrest into the safety vest stowage recess. Ensure that the loop ② remains hanging out so that it is easy to grasp.

i Remove the packaging film from a new safety vest before sliding it into the safety vest stowage recess. Otherwise, it may slide out unintentionally or the packaging may hinder its removal.
Observe the legal requirements for the individual countries.



- ① Maximum number of washes
- ② Maximum wash temperature
- ③ Do not bleach
- ④ Do not iron
- ⑤ Do not tumble dry
- ⑥ Do not dry clean
- ⑦ Class 2 safety vest

The requirements defined by the legal standard are only fulfilled if the safety vest is the correct size and is fully closed.

EXCHANGE THE SAFETY VEST IN THE FOLLOWING CASES:

- The reflective strips are damaged or dirty.
- The maximum permissible number of washes is exceeded.
- The fluorescence property decreases, e.g. due to permanent exposure to sunlight.

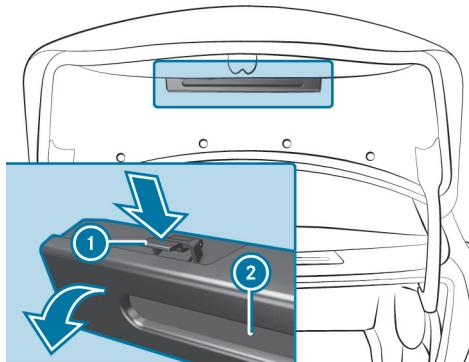
DISPOSE OF THE SAFETY VEST IN AN ENVIRONMENTALLY FRIENDLY WAY:

- Please contact your local waste disposal company.



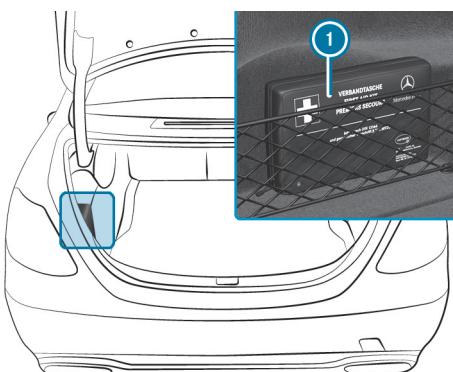


Removing the warning triangle



- ▶ Push both sides of the warning triangle holder ① in the direction of the arrow and open it.
- ▶ Remove the warning triangle ②.

First-aid kit (soft sided) overview



The first-aid kit (soft sided) ① is located in the boot on the left in the stowage net.

Depending on the respective vehicle version, the first-aid kit (soft sided) ① may be located in other positions in the boot

QR code for rescue card

QR codes are attached in the fuel filler flap and on the opposite side on the B-pillar. In the event of an accident, rescue services can use the QR code to quickly find the appropriate rescue card for your vehicle. The current rescue card contains the most important information about your vehicle (e.g. the routing of the electric lines) in compact form.

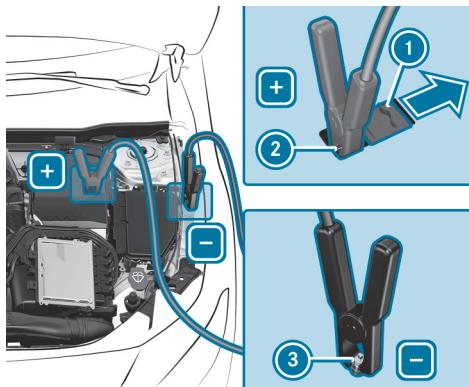
You can find further information at: <https://rk.mb-qr.com/de/>

Starting assistance and charging the 12 V battery

PREPARE STARTING ASSISTANCE/CHARGING PROCESS

Plug-in hybrid: in order to start, the vehicle requires a sufficient state of charge of the high-voltage battery as well as a sufficient power of the 12 V onboard electrical system.

- ▶ Use the electric parking brake to secure the vehicle.
- ▶ Shift the transmission to position **P**.
- ▶ Switch off the vehicle and all electrical consumers.
- ▶ Open the bonnet.



- ▶ Slide cover ① of positive terminal ② on the jump-starting connection point in the direction of the arrow.

STARTING ASSISTANCE

- ▶ Connect the positive terminal of your own vehicle to the jump lead.
- ▶ Connect the positive terminal of the booster battery to the jump lead.
- ▶ On the assisting vehicle, let the engine run at idling speed.
- ▶ Connect the negative terminal of the booster battery to the jump lead.
- ▶ Connect the jump lead to your vehicle's earth point ③.
- ▶ Start the engine of your own vehicle.
- ▶ Let the engines run for several minutes.
- ▶ Before disconnecting the jump lead, switch on an electrical consumer in your own vehicle, e.g. the rear window heater or the lighting.

When the starting assistance process is complete:

- ▶ Disconnect the jump lead from your vehicle's earth point ③.
- ▶ Remove the jump lead from the negative terminal of the booster battery.
- ▶ Remove the jump lead from the positive contact of your vehicle.
- ▶ Remove the jump lead from the positive terminal of the booster battery.
- ▶ After removing the jump lead, close cover ① of the positive terminal ②.

Plug-in hybrid: if your vehicle has been started with starting assistance, it may not be possible to use the electric drive for approximately 30 minutes.

Further information can be obtained at a qualified specialist workshop.

CHARGING THE 12 V BATTERY

- ▶ Connect the positive terminal of your own vehicle to the charging cable.
- ▶ Connect the positive terminal of the charger to the charging cable.
- ▶ Connect the negative terminal of the charger to the charging cable.
- ▶ Connect the charging cable to your vehicle's earth point ③.
- ▶ Start the charging process.

When the charging process is complete:

- ▶ Disconnect the charging cable from your vehicle's earth point ③.
- ▶ Remove the charging cable from the negative terminal of the charger.
- ▶ Remove the charging cable from the positive terminal of your own vehicle.
- ▶ Remove the charging cable from the positive terminal of the charger.





- ▶ After removing the charging cable, close cover ① of the positive terminal ②.

Notes on electrical fuses

WARNING

Risk of accident and injury due to overloaded lines

If you manipulate or bridge a faulty fuse or if you replace it with a fuse with a higher amperage, the electric line could be overloaded.

This could result in a fire.

- ▶ Always replace faulty fuses with specified new fuses containing the correct amperage.

NOTE

Damage due to incorrect fuses

Using incorrect fuses can result in damage to electrical components or systems or their functions being considerably restricted.

- ▶ Use only fuses approved for Mercedes-Benz with the respective specified fuse rating.

Replace blown fuses with equivalent fuses, identifiable by their colour and label. The fuse ratings and further information to be observed can be found in the fuse assignment diagram.

Fuse assignment diagram: on the fuse box in the engine compartment
(→ page 656).

! NOTE

Damage or malfunctions caused by moisture

Moisture may cause damage to the electrical system or cause it to malfunction.

- ▶ When the fuse box is open, make sure that no moisture can enter the fuse box.
- ▶ When closing the fuse box, make sure that the seal of the lid is positioned correctly on the fuse box.

If the newly inserted fuse also blows, have the cause determined and rectified at a qualified specialist workshop.

ENSURE THE FOLLOWING BEFORE REPLACING A FUSE:

- The vehicle is secured against rolling away.
- All electrical consumers are switched off.
- The vehicle is switched off.

THE ELECTRICAL FUSES ARE LOCATED IN VARIOUS FUSE BOXES:

- Fuse box in the engine compartment on the left-hand side of the vehicle, when viewed in the direction of travel (→ page 656)
- Fuse box in the front passenger footwell (→ page 657)
- Fuse box in the centre of the boot (→ page 658)



Notes on flat tyres

⚠ WARNING

Risk of accident due to a flat tyre

A flat tyre severely affects the driving characteristics as well as steering and braking.

tyres that do not feature run-flat characteristics:

- ▶ Do not drive on with a flat tyre.
- ▶ Change the flat tyre immediately with an emergency spare wheel or spare wheel. Alternatively, consult a qualified specialist workshop.

Run-flat tyres:

- ▶ Observe the information and warning notes on MOExtended tyres (run-flat tyres).

IN THE EVENT OF A FLAT TYRE, THE FOLLOWING OPTIONS ARE AVAILABLE DEPENDING ON YOUR VEHICLE'S EQUIPMENT:

- **Vehicles with MOExtended tyres:** it is possible to continue the journey for a short period of time. Make sure you observe the notes on MOExtended tyres (run-flat tyres) (→ page 634).
- **Vehicles with a TIREFIT kit:** you can seal the tyre so that it is possible to continue the journey for a short period of time. To do this, use the TIREFIT kit (→ page 635).
- **Vehicles with Mercedes-Benz connect:** you can make a call for breakdown assistance via the overhead control panel in the case of a breakdown (→ page 570).

- **All vehicles:** change the wheel (→ page 674).

i The emergency spare wheel is only available in certain countries (→ page 680).

Overview of the tyre-change tool kit

With the exception of some country-specific variants, vehicles are not equipped with a tyre-change tool kit. Consult a qualified specialist workshop to find out which tyre-change tool kit is necessary and approved for a wheel change on your vehicle.

YOU REQUIRE THE FOLLOWING TOOLS, FOR EXAMPLE, TO CHANGE A WHEEL:

- Jack
- Chock
- Wheel wrench
- Centring pin

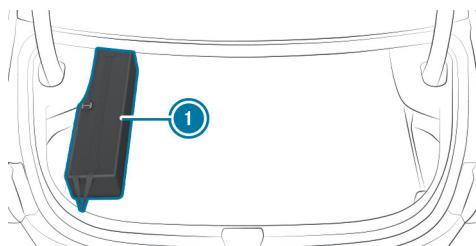
i The jack weighs approximately 3.4 kg. The maximum load capacity of the jack can be found on the sticker affixed to the jack. The jack is maintenance-free. In the event of a malfunction, please contact a qualified specialist workshop.

The tyre-change tool kit is located in the tool bag ① in the boot.



Depending on the respective vehicle model, the tool bag may also be located in other positions in the boot.

When stowing the tool bag, ensure that it is adequately secured.

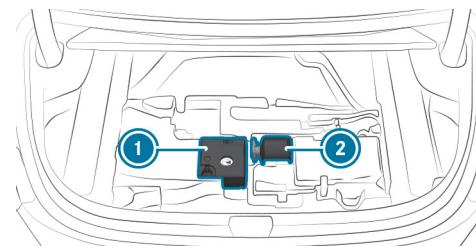


THE TOOL BAG CONTAINS:

- Jack
- Gloves
- Wheel wrench
- Centring pin
- Folding chock
- Ratchet wrench for jack

TIREFIT kit storage location

The TIREFIT kit is located under the boot floor.



① Tyre inflation compressor

② Tyre sealant bottle

Depending on the respective vehicle model, the TIREFIT kit may also be located in other positions under the boot floor .

① **YOU CAN FIND INFORMATION ON THE POWER CATEGORY (LK) AND/OR ELECTRICAL DATA ON THE BACK OF THE TYRE INFLATION COMPRESSOR:**

- LK2 – 12 V/15 A, 180 W, 0.8 kg

AT A DISTANCE OF APPROXIMATELY 1 M TO THE TYRE INFLATION COMPRESSOR AND APPROXIMATELY 1.6 M ABOVE THE GROUND, THE FOLLOWING SOUND PRESSURE LEVELS APPLY:

- Emissions sound pressure level L_{PA} 83 dB (A)
- Sound power level L_{WA} 91 dB (A)

The tyre inflation compressor is maintenance-free. In the event of a malfunction, please contact a qualified specialist workshop.



Towing the vehicle with both axles on the ground

- ▶ Observe the notes on the permitted towing methods (→ page 648).
- ▶ Plug-in hybrid: observe the notes on the permitted towing methods (→ page 649).
- ▶ Make sure that the battery is connected and charged.

OBSERVE THE FOLLOWING POINTS WHEN THE BATTERY IS DISCHARGED:

- The vehicle cannot be started.
- The electric parking brake cannot be released or applied.
- **Vehicles with automatic transmission:** the transmission cannot be shifted to position **N** or **P**.

i **Vehicles with automatic transmission:** if the transmission cannot be shifted to position **N** or if the display does not show anything, transport the vehicle (→ page 652). A tow truck with lifting equipment is required for vehicle transport.

! NOTE

Damage due to towing away at excessively high speeds or over long distances

The drivetrain could be damaged when towing at excessively high speeds or over long distances.

- ▶ A towing speed of 50 km/h must not be exceeded.
- ▶ A towing distance of 50 km must not be exceeded.

! WARNING

Risk of accident when towing a vehicle with too much weight

IF THE VEHICLE TO BE TOWED IS HEAVIER THAN THE PERMISSIBLE GROSS MASS OF YOUR VEHICLE, THE FOLLOWING SITUATIONS CAN ARISE:

- ▶ The towing eye breaks off.
- ▶ The combination oscillates and can capsize.
- ▶ Before towing, check whether the vehicle to be towed exceeds the permissible gross mass.

If a vehicle is to be towed away, its permissible gross mass must not exceed the permissible gross mass of the towing vehicle.

- ▶ Information on the permissible gross mass of the vehicle can be found on the vehicle identification plate (→ page 749).
- ▶ Fit the towing eye (→ page 653).
- ▶ Fasten the towing device.



**! NOTE**

Damage due to incorrect connection of the tow bar

- ▶ Only connect the tow rope or tow bar to the towing eyes.

! WARNING

Risk of accidents due to restricted safety-related functions during towing

SAFETY-RELEVANT FUNCTIONS ARE RESTRICTED OR NO LONGER AVAILABLE IN THE FOLLOWING SITUATIONS:

- The vehicle is switched off.
- The brake system or the power steering is malfunctioning.
- The power supply or the on-board electrical system is defective.

If your vehicle is being towed, considerably more force may be required for steering and braking.

In addition, important vehicle display messages cannot be seen if the driver display is faulty.

- ▶ Use a tow bar.
- ▶ Before towing, ensure that the driver's display is operational and the steering can move freely.

! NOTE

Damage due to excessive tractive power

If you pull away sharply, the tractive power may be too high and the vehicles could be damaged.

- ▶ Pull away slowly and smoothly.





< Expert knowledge

Additional functions of buttons

OPENING AND CLOSING THE WINDOWS USING THE AIR-RECIRCULATION BUTTON (CONVENIENCE CLOSING/OPENING)

When air-recirculation mode is activated, the side windows close automatically, for example, before entering a tunnel. When the air-recirculation mode is deactivated, the side windows move back to their original position.

WARNING

Risk of entrapment due to not paying attention during convenience closing

When the convenience closing feature is operating, parts of the body could become trapped in the closing area of the side window and the sliding sunroof.

- ▶ When the convenience closing feature is operating, monitor the entire closing process and make sure that no body parts are in the closing area.

WARNING

Risk of entrapment due to not paying attention during convenience closing

When the convenience closing feature is operating, parts of the body could become trapped in the closing area of the side windows.

- ▶ When the convenience closing feature is operating, monitor the entire closing process and make sure that no body parts are in the closing area.

- ▶ **To close the windows:** press and hold the  button until the windows start to move.

The windows close and air-recirculation mode switches on.





⚠ WARNING

Risk of entrapment from the convenience opening feature

During convenience opening parts of the body could be drawn in or become trapped between the side window and window frame.

- ▶ When opening, make sure that nobody is touching the side windows.
- ▶ If someone becomes trapped, immediately press the  button in the door to open the side windows.
The side windows stop.
- ▶ To continue closing the side windows, pull on the  button.

- ▶ **To reopen closed windows:** press and hold the  button until the windows start to move.
The windows move back to their original position and air-recirculation mode switches off.

Vehicles with a sliding sunroof: the sliding sunroof closes or opens simultaneously.

IF BODY PARTS BECOME ENTRAPPED IN THE SLIDING SUNROOF:

- ▶ **To stop:** press the  button.
- ▶ **To open:** pull the  button back.

RESETTING THE CLIMATE CONTROL SETTINGS

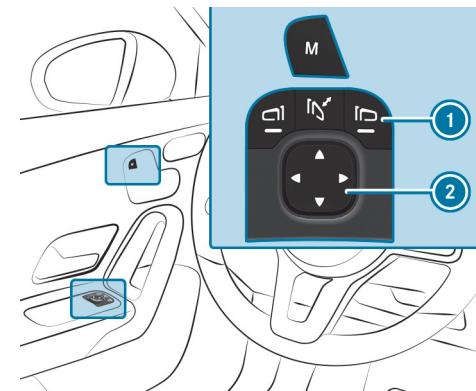
- ▶ Press and hold the  button on the front control panel for four seconds.
The climate control settings will be reset to the basic settings.

Useful vehicle functions

STORING THE PARKING POSITION OF THE FRONT-PASSENGER OUTSIDE MIRROR USING THE MEMORY BUTTON

Requirements

- Reverse gear has not been engaged.



- ▶ Select the front-passenger outside mirror using button ①.
- ▶ Move the front-passenger outside mirror into the desired parking position using button ②.
- ▶ Press the  button.
- ▶ Confirm immediately using button ② to store the setting.

i No more than three seconds may pass between the  button and button ② being pressed. The mirror adjustment will be cancelled after three seconds.



Tips for on the move

VEHICLE CONDITIONS FOR AUTOMATIC ENGINE STOP OR START

CONDITIONS FOR AUTOMATIC ENGINE STOP:

- The ECO start/stop function is switched on.
- The brake system does not require a running engine.
- The outside temperature is within the range that is suitable for the system.
- The atmospheric air pressure is within the range that is suitable for the system.
- The engine is at normal operating temperature.
- Engine diagnostics are not active.
- The engine speed is within the range that is suitable for the system.
- The transmission oil temperature is within the range that is suitable for the system.
- The temperature in the vehicle interior is within the set range.
- The fuel tank is sufficiently full.
- The system detects that there is no moisture on the windscreen when the air conditioning system is switched on.
- The state of charge and the voltage of the battery are sufficient.
- The battery temperature is within the range that is suitable for the system.
- The system does not detect a steep gradient.
- The bonnet is closed.

CONDITIONS FOR AUTOMATIC ENGINE START:

- The vehicle is rolling.
- The brake system requires a running engine.

- The outside temperature has exceeded the range that is suitable for the system.
- The atmospheric air pressure has exceeded the range that is suitable for the system.
- Engine diagnostics require a running engine.
- The transmission oil temperature has exceeded the range that is suitable for the system.
- The temperature in the vehicle interior deviates from the set range.
- The system detects moisture on the windscreen when the air conditioning system is switched on.
- The state of charge of the battery is too low.
- The battery temperature has exceeded the range that is suitable for the system.

Deactivating the function of the key

Vehicles with KEYLESS-GO: if you deactivate the function of the key, the KEYLESS-GO functions are also deactivated. Access or drive authorisation via KEYLESS-GO is then no longer possible with that key. Activate the function of the key so that all functions using the key are available once again.

You can also deactivate the key's function to reduce the key's energy consumption if you do not use the vehicle or a key for an extended period of time.

- ▶ Press and hold the key button .
- ▶ With the button  pressed, immediately press the key button  twice in quick succession.

The indicator lamp of the key lights up once briefly, and then again for longer.





 **YOU HAVE THE FOLLOWING OPTIONS TO REACTIVATE THE KEY:**

- Press any button on the key.
- Start the vehicle with the key in the centre console storage compartment (→ page 290).

Overview of the Mercedes-Benz emergency call system

The Mercedes-Benz emergency call system can help to decisively reduce the time between an accident and the arrival of emergency services at the site of the accident. It helps locate an accident site in places that are difficult to access.

An emergency call can be made automatically (→ page 580) or manually (→ page 581). Only make emergency calls if you or others are in need of rescue. Do not make an emergency call in the event of a breakdown or a similar situation.

You can find out about the regional availability of the Mercedes-Benz emergency call system at: <https://www.mercedes-benz-mobile.com/extra/ecall/>

INFORMATION ON THE DISPLAY:

THE FOLLOWING MESSAGES APPEAR IN THE DISPLAY:

- **SOS NOT READY:** the vehicle is not switched on or the emergency call system is malfunctioning. This does not necessarily indicate complete failure of the emergency call system. Emergency calls can still be transmitted.

The display only refers to the vehicle and does not take account of the availability of mobile phone networks and the Mercedes-Benz emergency call centre.

The functional readiness of the emergency call system on the vehicle can be seen when the **SOS NOT READY** display disappears once the vehicle is switched on.

- : the icon appears in the display during an active emergency call.

-  If there is a malfunction of the emergency call system, the loudspeakers, microphone, airbag or the SOS button, for example, are faulty.

YOU CAN RECOGNISE A FAULT IN THE EMERGENCY CALL SYSTEM BY THE FOLLOWING DISPLAYS:

- A corresponding message appears on the driver and media display .
- The SOS button lights up red continuously.

Emergency guide

In the event of an accident or breakdown, the emergency guide shows safety notes on the central display.

THESE INCLUDE, FOR EXAMPLE:

- Recommended actions when leaving the vehicle
- Procedure for safely removing seat belts in the event of an accident whereby the vehicle comes to rest on its roof



**THE EMERGENCY GUIDE IS ACTIVATED IN THE FOLLOWING SITUATIONS:**

- Occupant protection system has been triggered
- An emergency call is made
- Certain breakdown situations

 The availability as well as the scope of the emergency guide can vary depending in the country and vehicle equipment.





< At a glance

This interactive PDF works like a website – tap or click a button to jump straight to where you want to go.
You can return here at any time via the navigation bar at the top left.

Cockpit



Cockpit (plug-in hybrid)



Indicator and warning lamps (standard)



Indicator and warning lamps



Overhead control panel



Door operating unit and seat adjustment

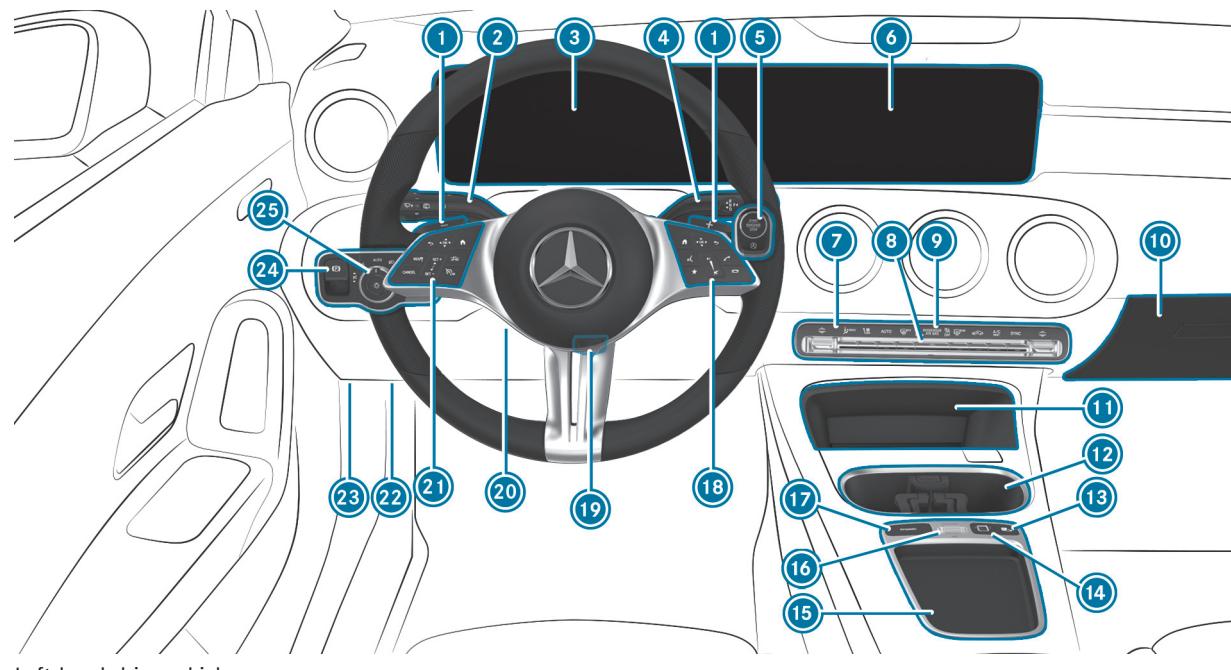


Emergencies and breakdowns





< Cockpit





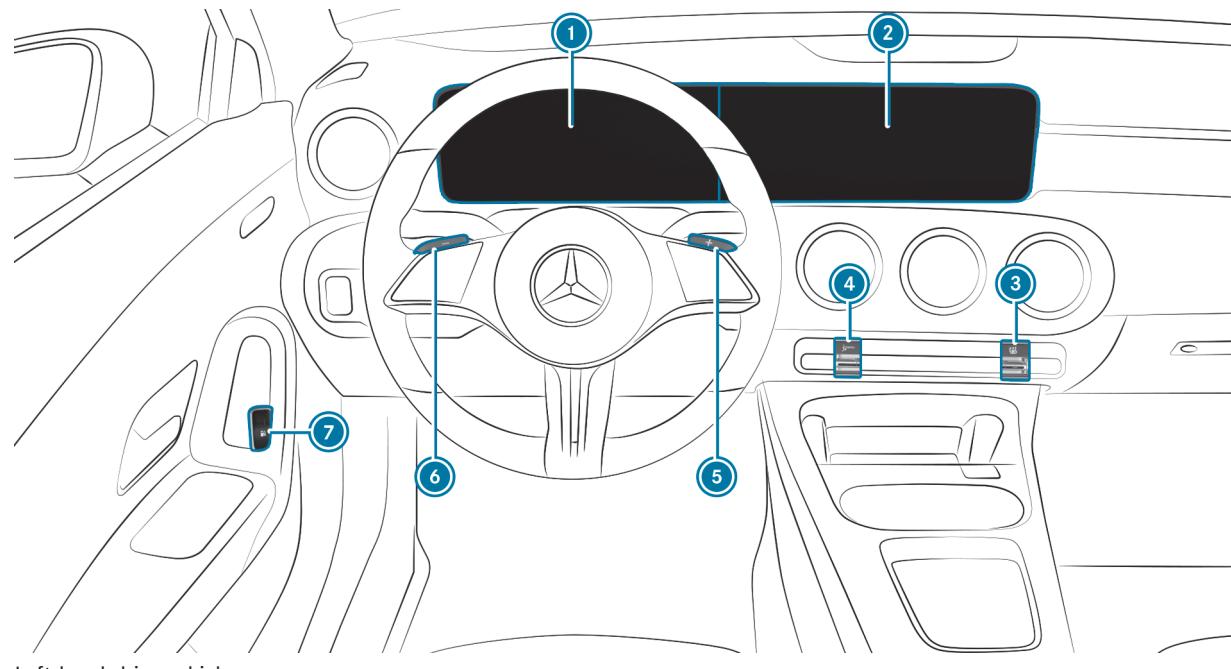


- | | |
|---|---|
| ① Steering wheel gearshift paddles | > |
| ② Combination switch | > |
| ③ Driver display | > |
| ④ DIRECT SELECT lever | > |
| ⑤ Start/stop button | > |
| Ⓐ ECO start/stop function | > |
| ⑥ Central display | |
| ⑦ Climate control systems | > |
| ⑧ Hazard warning light system | > |
| ⑨ PASSENGER AIRBAG indicator lamps | > |
| ⑩ Glove compartment | > |
-
- | | |
|---|---|
| ⑪ Storage compartment | > |
| ⑫ Cup holder | > |
| ⑬ Active Parking Assist | > |
| ⑭ Fingerprint sensor | |
| ⑮ Stowage space | |
| ⑯ Controller for volume and switching sound on/off | |
| ⑰ Switches the MBUX multimedia system on/off | |
| ⑱ DYNAMIC SELECT button | > |
| ⑲ Control panel for the MBUX multimedia system | |
| ⑳ Adjusts the steering wheel | > |
-
- | | |
|--|---|
| ㉑ Switches the steering wheel heater on/off | > |
| ㉒ Control panel: | |
| Driver display | > |
| Cruise control or variable limiter | > |
| Active Distance Assist DISTRONIC | > |
| ㉓ Diagnostics connection | > |
| ㉔ Opens the bonnet | > |
| ㉕ Electric parking brake | > |
| ㉖ Light switch | > |





< Cockpit (plug-in hybrid)



**① Driver display:**

- [READY]** Operational readiness >
- Power availability display >
- Power meter >
- Trip computer >
- ECO Assist >

② Central display:

- Plug-in hybrid settings >
- Energy flow display >
- ③** Switches immediate pre-entry climate control on/off >
- ④** Sets pre-entry climate control for departure time >

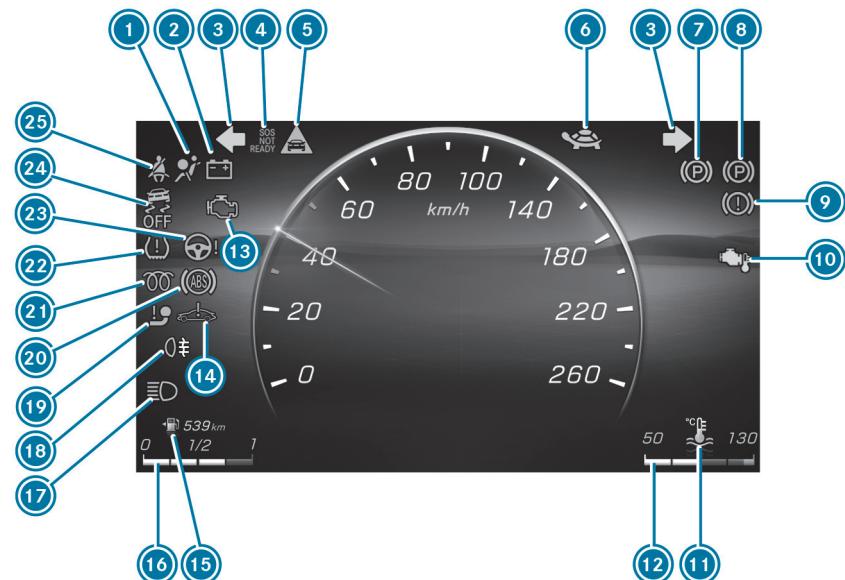
⑤ Reduces recuperation >

- ⑥** Increases recuperation >
- ⑦** Depressurises and refills the fuel tank >





< Indicator and warning lamps (standard)



Standard driver display





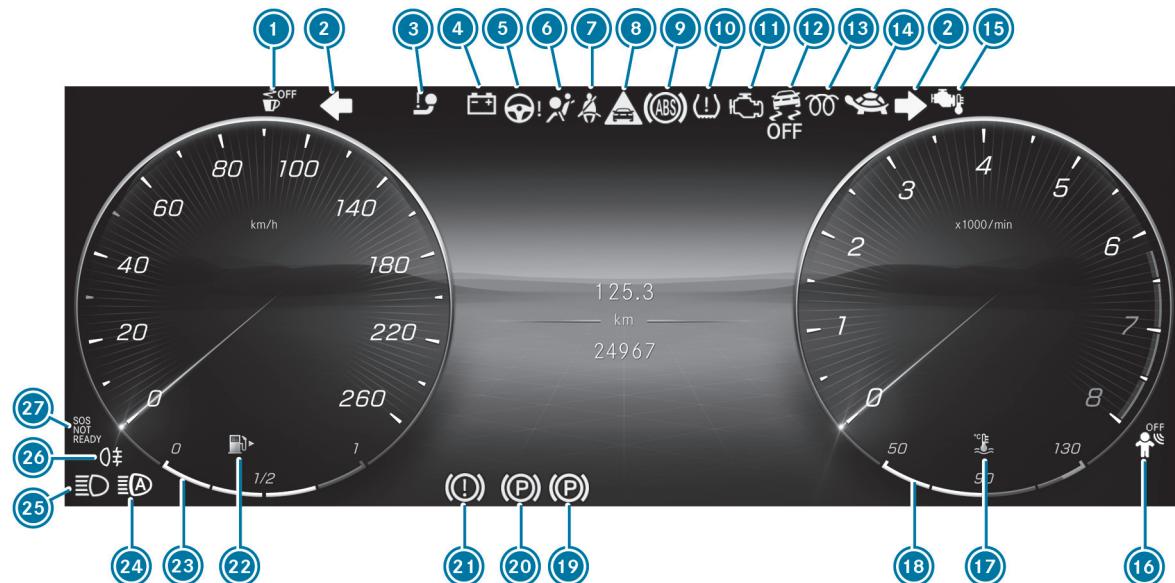


- | | |
|---------------------------------------|---|
| ① Restraint system | > |
| ② Electrical fault | > |
| ③ Turn signal lights | > |
| ④ Mercedes-Benz emergency call system | > |
| ⑤ Distance warning | > |
| ⑥ Drive system: reduced power | > |
| ⑦ Electric parking brake (yellow) | > |
| ⑧ Electric parking brake (red) | > |
| ⑨ Brakes (yellow) | > |
| Brakes (red) | > |
-
- | | |
|---|---|
| ⑩ Petrol engine: engine operating temperature | > |
| ⑪ Coolant temperature | > |
| ⑫ Coolant temperature display | |
| ⑬ Engine diagnostics | > |
| ⑭ System error | > |
| ⑮ Reserve fuel with fuel filler flap location indicator | > |
| ⑯ Fuel level | |
| ⑰ High beam | > |
| ⑱ Low beam | > |
| ⑲ Side lights | > |
-
- | | |
|---------------------------|---|
| ⑳ Rear fog light | > |
| ㉑ Trailer hitch | |
| ㉒ ABS | > |
| ㉓ Diesel engine: preglow | |
| ㉔ Tyre pressure monitor | > |
| ㉕ Power steering (yellow) | > |
| ㉖ Power steering (red) | > |
| ㉗ ESP® OFF | > |
| ㉘ ESP® | > |
| ㉙ Seat belt | > |





< Indicator and warning lamps



Driver display





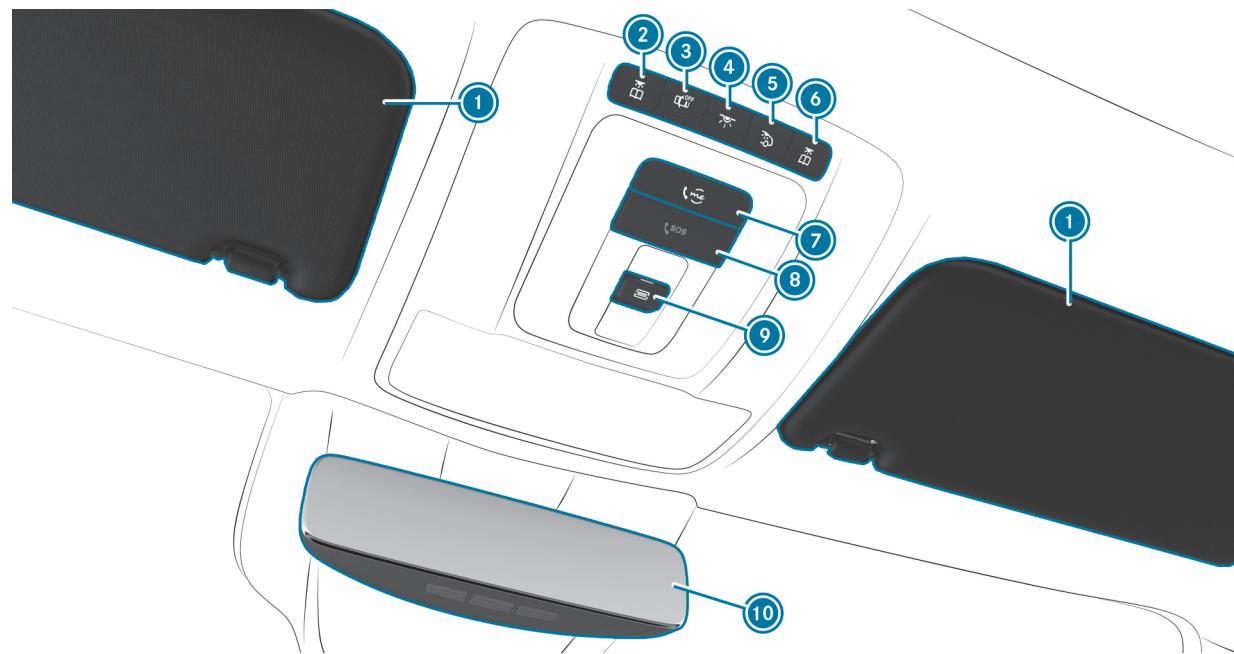


- | | | | | | |
|--------------------------------|---|--|---|--|---|
| ① ATTENTION ASSIST | > | ⑫ ESP® OFF | > | ㉐ Electric parking brake (red) | > |
| ② Turn signal lights | > | ESP® | > | ㉑ Brakes (red) | > |
| ③ Trailer hitch | | ⑬ Diesel engine: preglow | | Brakes (yellow) | > |
| ④ Electrical fault | > | ⑭ Drive system: reduced power | > | ㉒ Reserve fuel with fuel filler flap location indicator | > |
| ⑤ Power steering (red) | > | ⑮ Petrol engine: engine operating temperature | > | ㉓ Fuel level | > |
| Power steering (yellow) | > | ⑯ Occupant presence reminder (white) | > | ㉔ Adaptive Highbeam Assist | > |
| ⑥ Restraint system | > | Occupant presence reminder (yellow) | | ㉕ High beam | > |
| ⑦ Seat belt | > | ⑰ Coolant temperature | > | Low beam | > |
| ⑧ Distance warning | > | ⑱ Coolant temperature display | > | Side lights | > |
| ⑨ ABS | > | ⑲ Electric parking brake (yellow) | > | ㉖ Rear fog light | > |
| ⑩ Tyre pressure monitor | > | | | ㉗ Mercedes-Benz emergency call system | > |
| ⑪ Engine diagnostics | > | | | | |





< Overhead control panel





① Sun visors

② Switches the left-hand reading lamp on/off

③ Switches automatic interior lighting control on/off

④ Switches the front interior lighting on/off

⑤ Switches the rear interior lighting on/off

⑥ Switches the right-hand reading lamp on/off

⑦ me button

⑧ SOS button

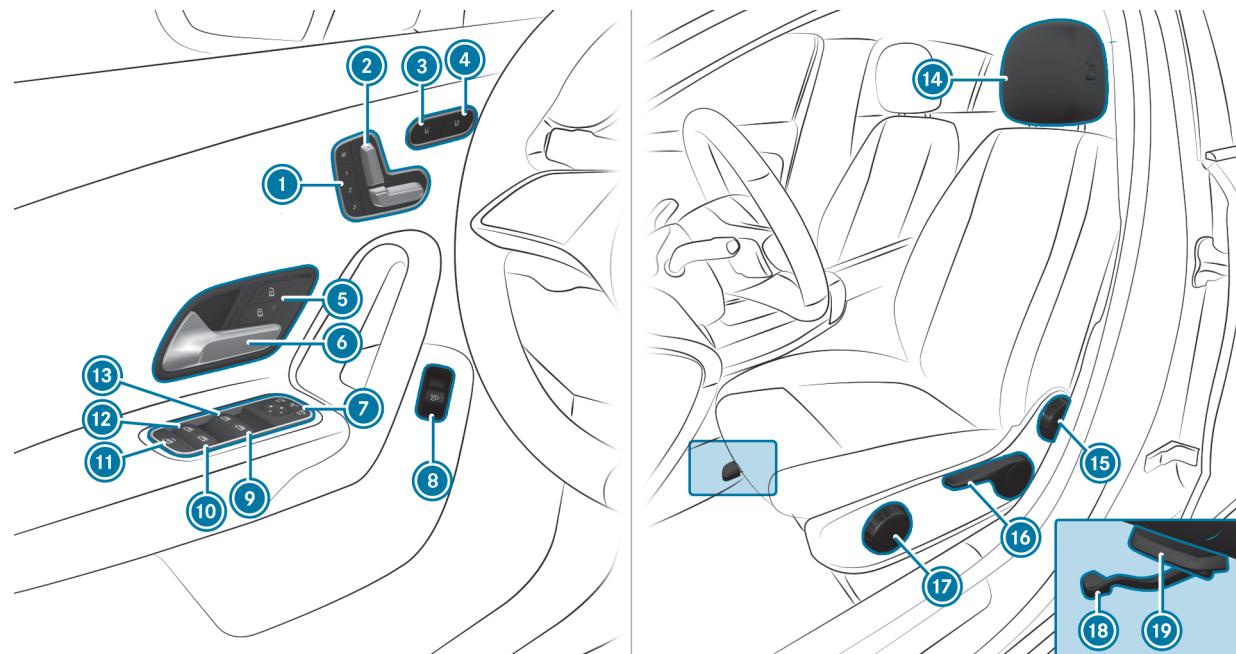
⑨ Opens/closes the panorama sliding sunroof

⑩ Opens/closes the roller sunblind





< Door operating unit and seat adjustment







① Operating the memory function



② Adjusts the seats electrically



③ Switching the seat heating on/off



④ Mercedes-AMG vehicles only: switches seat ventilation on/off

⑤ Locks/unlocks the vehicle



⑥ Opens the door



⑦ Operating the outside mirrors



⑧ Opening the boot lid



⑨ Opens/closes the right side window



⑩ Opens/closes the rear right side window



⑪ Child safety lock for the rear side windows



⑫ Opens/closes the rear left side window



⑬ Opens/closes the left side window



⑭ Adjusting the head restraints



⑮ Adjusting the seat backrest inclination



⑯ Adjusting the seat height



⑰ Adjusts the seat cushion inclination



⑱ Adjusts the seat fore-and-aft position

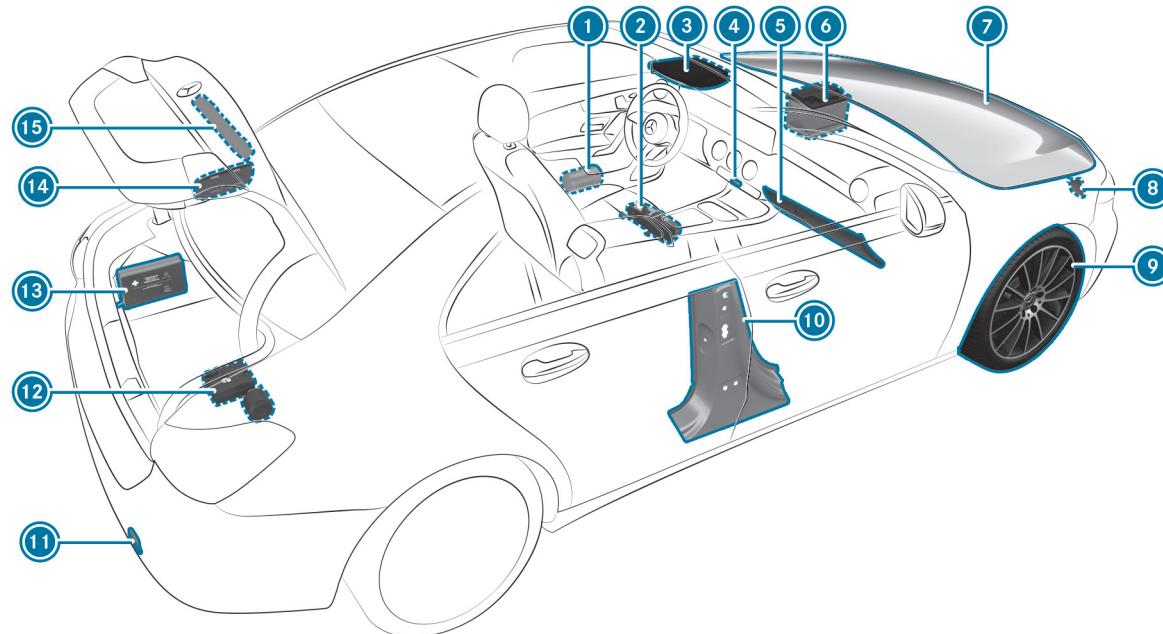


⑲ Adjusts the seat cushion length





< Emergencies and breakdowns







① Safety vests >

② Fire extinguisher >

③ me button >

SOS button >

④ Hazard warning light system >

⑤ Stowage compartment for customer literature >

⑥ Starting assistance >

⑦ Checking and topping up operating fluids >

⑧ Tow-starting or towing >

⑨ Flat tyre >

⑩ B-pillar with:

QR code for accessing the rescue card >

⑪ Tow-starting or towing >

⑫ TIREFIT kit >

⑬ First-aid kit (soft sided) >

⑭ Fuel filler flap with:

information label on fuel type >

information label on tyre pressure >

QR code for accessing the rescue card >

⑮ Warning triangle >



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< Digital Owner's Manual

This interactive PDF works like a website – tap or click a button to jump straight to where you want to go.

You can return here at any time via the navigation bar at the top left.

Calling up the Digital Operator's Manual





< Calling up the Digital Operator's Manual

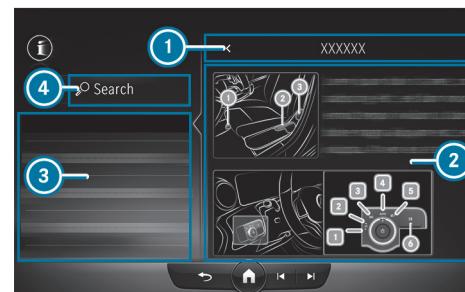
Multimedia system:

➡ ➡ ➡ ➡

The Digital Operator's Manual describes the functions and operation of the vehicle and the multimedia system.

- ▶ Select one of the following menu items in the Digital Operator's Manual:
- **Quick start:** find the first steps towards adjusting your seat (driver's side).
- **Tips:** find information that prepares you for certain everyday situations with your vehicle.
- **Animations:** watch animations of the vehicle functions.
- **Messages:** receive additional information about the messages on the driver display.
- **Language:** select the language for the Digital Operator's Manual.

You can search for keywords using the search field **Search** in order to find quick answers to questions regarding operation of the vehicle.



- ① Back
- ② Contents section
- ③ Menu
- ④ Search

Some sections in the Digital Operator's Manual, such as warning notes, can be expanded and collapsed.

Additional options for calling up the Digital Operator's Manual:

Driver display: call up brief information regarding display messages on the driver display. Pressing ① will show brief information on the central display.

MBUX Voice Assistant: call-up via the voice control system

Global search: call up search results for contents of the Digital Operator's Manual in the home screen



-  For safety reasons, the Digital Operator's Manual is deactivated while driving.



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< General notes

This interactive PDF works like a website – tap or click a button to jump straight to where you want to go.
You can return here at any time via the navigation bar at the top left.

Protection of the environment	>	Diagnostics connection	>	Data storage	>
Mercedes-Benz GenuineParts	>	Qualified specialist workshop	>	Copyright	>
Touch-sensitive control elements	>	Vehicle registration	>		
Mercedes-Benz app	>	Correct use of the vehicle	>		
Operating safety	>	Notes for persons with electronic medical aids	>		
Mounting the licence plate onto the front licence plate bracket	>	Implied warranty	>		
Declarations of conformity and country-specific information	>	QR code for rescue card	>		



< Protection of the environment

ENVIRONMENTAL NOTE

Environmental damage due to operating conditions and personal driving style

The pollutant emission of the vehicle is directly related to the way you operate the vehicle.

Operate your vehicle in an environmentally responsible manner to help protect the environment. Please observe the following recommendations on operating conditions and personal driving style.

Operating conditions:

- ▶ Make sure that the tyre pressure is correct.
- ▶ Do not carry any unnecessary weight (e.g. roof luggage racks once you no longer need them).
- ▶ Adhere to the service intervals.
A regularly serviced vehicle will contribute to environmental protection.
- ▶ Always have maintenance work carried out at a qualified specialist workshop.

Personal driving style:

- ▶ Do not depress the accelerator pedal when starting the engine.
- ▶ Do not warm up the vehicle while stationary.
- ▶ Drive carefully and maintain a suitable distance from the vehicle in front.
- ▶ Avoid frequent, sudden acceleration and braking.
- ▶ Change gear in good time and use each gear only up to $\frac{2}{3}$ of its maximum engine speed.
- ▶ Switch off the vehicle in stationary traffic, e.g. by using the ECO start/stop function.
- ▶ Drive in a fuel-efficient manner. Observe the ECO display for an economical driving style.

**PLUG-IN HYBRID** **ENVIRONMENTAL NOTE**

Environmental pollution caused by irresponsible disposal of the high-voltage battery

A high-voltage battery contains materials which are harmful to the environment.

- ▶ Dispose of faulty high-voltage batteries at a qualified specialist workshop.





< Mercedes-Benz GenuineParts

ENVIRONMENTAL NOTE

Environmental damage caused by not using recycled reconditioned components

Mercedes-Benz AG offers recycled reconditioned components and parts with the same quality as new parts. The same entitlement from the implied warranty is valid as for new parts.

- ▶ Recycled reconditioned components and parts from Mercedes-Benz AG.

NOTE

Impairment of the operating efficiency of the restraint systems from installing accessory parts or from repairs or welding

AIRBAGS AND SEAT BELT TENSIONERS, AS WELL AS CONTROL UNITS AND SENSORS FOR THE RESTRAINT SYSTEMS, MAY BE INSTALLED IN THE FOLLOWING AREAS OF YOUR VEHICLE:

- doors
 - door pillars
 - Sill
 - Seats
 - Cockpit
 - Driver's display
 - Centre console
 - lateral roof frame
-
- ▶ Do not install accessory parts such as audio systems in these areas.
 - ▶ Do not carry out repairs or welding.
 - ▶ Have accessories retrofitted at a qualified specialist workshop.

You could jeopardise the operating safety of your vehicle if you use parts, tyres and wheels or accessories relevant to safety that have not been approved by Mercedes-Benz. Safety-relevant systems (e.g. the brake system)





may malfunction. Use only Mercedes-Benz GenuineParts or parts of equal quality. Use only tyres, wheels and accessory parts that have been specifically approved for your vehicle model.

Mercedes-Benz tests original parts and conversion parts and accessory parts that have been specifically approved for your vehicle model for their reliability, safety and suitability. Despite ongoing market research, Mercedes-Benz is unable to assess other parts. Mercedes-Benz therefore accepts no responsibility for the use of such parts in Mercedes-Benz vehicles, even if they have been officially approved or independently approved by a testing centre.

Certain parts are officially approved for installation or modification only if they comply with legal requirements. All Mercedes-Benz GenuineParts meet the approval requirements. The use of non-approved parts may invalidate the vehicle's general operating permit.

THIS WILL BE THE CASE IN THE FOLLOWING SITUATIONS:

- The vehicle type is different from that for which the vehicle's general operating permit was granted.
- Other road users could be endangered.
- The emissions or noise levels get worse.

Always specify the vehicle identification number (VIN) (→ page 749) when ordering Mercedes-Benz GenuineParts.





< Touch-sensitive control elements

In addition to conventional switches and buttons, your vehicle is equipped with touch-sensitive control elements.

THESE ARE LOCATED IN THE FOLLOWING AREAS OF YOUR VEHICLE:

- Roof and door operating unit
- Climate control
- Steering wheel
- MBUX multimedia system

The control elements feature touch-sensitive user interface surfaces. These surfaces are controlled by pressing or swiping to adjust settings or trigger functions, for example.

In the touchscreen area, haptic acknowledgement is relayed through the touch-sensitive surface, for example in the form of a pulse or a vibration, or a change in user interface surface structure.

HAPTIC ACKNOWLEDGEMENT IS RELAYED IN THE FOLLOWING SITUATIONS, FOR EXAMPLE:

- When pressing a button on the user interface surface
- When scrolling in a list or table
- When reaching a new area on the user interface surface, e.g. a pop-up window

WHEN USING TOUCH-SENSITIVE USER INTERFACE SURFACES, OBSERVE THE FOLLOWING POINTS TO AVOID OPERATIONAL PROBLEMS:

- Do not affix stickers or similar objects on the surfaces
- Do not attach a smartphone- or other holders to the surface of the central display.
- Protect the surfaces against moisture and wet conditions.
- Keep the surfaces free of dust and dirt (→ page 625).

In addition to a symbol, some touch-sensitive control elements also feature integrated indicator lamps. Ensure that the symbol of the control element is pressed during use.





< Mercedes-Benz app

Notes on Digital Extras

You can also activate various functions (Digital Extras) retroactively via Mercedes me after purchasing your vehicle.

Information is available at any Mercedes-Benz Service Centre.

If the activation was not successful, repeat the process.

Activating Digital Extras via Mercedes me

Requirements:

- The vehicle has a wireless connection.
- The vehicle is linked to the Mercedes me user account.

ORDERING AND ACTIVATING DIGITAL EXTRAS

- ▶ Place the Digital Extra that you would like to purchase for your vehicle in your shopping basket in the Mercedes-Benz Store.
- ▶ Complete the order.
The Digital Extra will be activated while you are using the vehicle.

SPEEDING UP ACTIVATION

- ▶ Switch the vehicle off and lock it.
- ▶ Unlock the vehicle after about two minutes and switch on the vehicle.
The Digital Extra will be activated. For some features, a notification will also appear in the vehicle's multimedia system.





< Operating safety

⚠ WARNING

Risk of accident due to malfunctions or system failures

If you do not have the prescribed service/maintenance work or any required repairs carried out, this could result in malfunctions or system failures.

- ▶ Always have the prescribed service- and maintenance work or any required repairs carried out in a qualified workshop.

⚠ WARNING

Risk of accident or injury due to improper modifications to electronic components

Modifications to electronic components, their software or wiring can impair their functionality and/or the functionality of other networked components or safety-relevant systems.

This can endanger the vehicle's operating safety.

- ▶ You must not tamper with wiring, electronic components, or their software.
- ▶ Always have work on electrical and electronic devices carried out at a qualified specialist workshop.

If you modify the on-board electronics, the general operating permit is rendered invalid.

Observe the "On-board electronics" section in "Technical data".

⚠ WARNING

Risk of fire due to flammable material coming into contact with hot parts of the exhaust system

If combustible materials, e.g. leaves, grass or twigs, come into contact with hot parts of the exhaust system, they may ignite.

- ▶ When driving off-road or on unpaved surfaces, check the underside of the vehicle at regular intervals.
- ▶ In particular, remove any trapped parts of plants or other flammable material.
- ▶ If damage should occur, immediately inform a qualified specialist workshop.



**! NOTE**

Damage to the vehicle due to driving too fast and due to impacts to the vehicle underbody or suspension components

IN THE FOLLOWING SITUATIONS, IN PARTICULAR, THERE IS A RISK OF DAMAGE TO THE VEHICLE:

- the vehicle becomes grounded, e.g. on a high kerb or an unpaved road
- the vehicle is driven too fast over an obstacle, e.g. a kerb, speed bump or pothole
- a heavy object strikes the underbody or suspension components

In situations such as these, damage to the body, underbody, suspension components, wheels or tyres may not be visible. Components damaged in this way can unexpectedly fail or, in the case of an accident, may no longer absorb the resulting force as intended.

If the underbody panelling is damaged, flammable materials such as leaves, grass or twigs can collect between the underbody and the underbody panelling. These materials may ignite if they come into contact with hot parts of the exhaust system.

- ▶ Have the vehicle checked and repaired immediately at a qualified specialist workshop.

or

- ▶ If driving safety is impaired while continuing your journey, pull over and stop the vehicle immediately, while paying attention to road and traffic conditions, and contact a qualified specialist workshop.

PLUG-IN HYBRID

Hybrid vehicles have a combustion engine and at least one electric motor. The energy supply for operating the vehicle electrically is provided by the high-voltage on-board electrical system.



**DANGER**

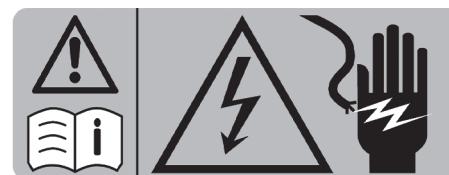
Risk of death and fire due to modified and/or damaged components of the high-voltage on-board electrical system

The vehicle's high-voltage on-board electrical system is under high voltage. If you modify component parts in the vehicle's high-voltage on-board electrical system or touch damaged component parts, you may be electrocuted. In addition, modified and/or damaged components may cause a fire.

In the event of an accident or impact to the underbody, components of the high-voltage on-board electrical system may be damaged although the damage is not visible.

- ▶ Never make any modifications to the high-voltage on-board electrical system.
- ▶ Do not switch on or use the vehicle if its high-voltage on-board electrical system components have been modified or damaged.
- ▶ Never touch damaged components of the high-voltage on-board electrical system.
- ▶ After an accident, do not touch any components of the high-voltage on-board electrical system.
- ▶ After an accident, have the vehicle transported away.
- ▶ Have the components of the high-voltage on-board electrical system checked at a qualified specialist workshop and replaced if necessary.

The components of the high-voltage on-board electrical system are marked with yellow warning stickers. The cables of the high-voltage on-board electrical system are orange.

**Example**

High-voltage components that can become very hot are marked with a separate warning sticker:



Vehicles with hybrid systems generate significantly less noise than vehicles with combustion engines.

When you drive in electric mode, the vehicle may not be heard by other road users owing to the significantly reduced operating noise.

It is for this reason that the vehicle is equipped with a sound generator, which serves as an acoustic vehicle alerting system (AVAS). This protective measure is prescribed by law.

This exterior noise by the sound generator (AVAS) is audible in the vehicle interior at low speeds, and is not a malfunction.



VEHICLES WITH A 48 V ON-BOARD ELECTRICAL SYSTEM

DANGER

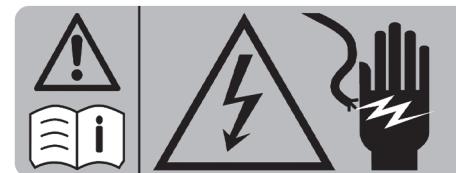
Risk of fatal injury by touching damaged high-voltage components

Vehicles with a 48 V on-board electrical system contain individual high-voltage components. These high-voltage components are under high voltage.

If you modify component parts of these high-voltage components or touch damaged component parts, you may be electrocuted.

High voltage components may be damaged in an accident, although the damage may not be visible.

- ▶ Never perform modifications to component parts of high-voltage components.
- ▶ Never touch damaged component parts of high-voltage components.
- ▶ Never touch component parts of high-voltage components after an accident.



Example

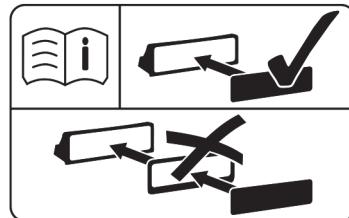
All work on high voltage components must be carried out at a qualified specialist workshop.

Vehicles with a 48 V on-board electrical system contain high voltage components. These components are marked with a high-voltage label:





< Mounting the licence plate onto the front licence plate bracket



The information label can be found on the licence plate bracket, either embossed or in sticker form.

! NOTE

Malfunctions and system failures due to incorrect assembly of the licence plate on the front licence plate holder

If the licence plate is incorrectly assembled on the front licence plate holder, sensors, cameras or driving and safety systems may malfunction or fail.

Observe the following points when assembling the licence plate on the front licence plate holder:

- ▶ Assemble the licence plate directly on the licence plate holder without advertising media or other holders.
- ▶ Assemble the licence plate so that it does not protrude above or to the side of the licence plate adapter.





< Declarations of conformity and country-specific information

Country-specific information for regulatory radio components

INFORMATION REGARDING MODIFICATIONS TO RADIO COMPONENTS

Modifications to radio components may invalidate the general operating permit for the radio component in question. The radio component manufacturer shall accept no responsibility for such modifications.

INFORMATION REGARDING CROSSING NATIONAL BORDERS

You must observe the radio regulatory provisions for the country in which you are currently driving when operating the vehicle.

WIRELESS VEHICLE COMPONENTS

For Thailand only:

- Telecommunications equipment in this vehicle is in compliance with the requirements of the National Broadcasting and Telecommunications Commission (NBTC).
- Radiocommunication equipment in this vehicle has the electromagnetic field strength in compliance with the Safety Standard for the Use of Radiocommunication Equipment on Human Health announced by the National Telecommunications Commission.





< Diagnostics connection

The diagnostics connection is a technical interface in the vehicle. It is used, for example, in the context of repair and maintenance work or for reading out vehicle data in a specialist workshop. Diagnostic devices should therefore only be connected in a qualified specialist workshop.

WARNING

Risk of accident due to connecting devices to the diagnostics connection

If you connect devices to the diagnostics connection of the vehicle, the function of vehicle systems and operating safety may be impaired.

- ▶ For safety reasons, we recommend that you only use and connect products approved by a Mercedes-Benz service centre.

WARNING

Risk of accident due to objects in the driver's footwell

Objects in the driver's footwell may impede pedal travel or block a depressed pedal.

This will jeopardise the operating and road safety of the vehicle.

- ▶ Stow all objects in the vehicle securely so that they cannot get into the driver's footwell.
- ▶ Make sure that there is always sufficient clearance for the pedals.
- ▶ Always fit the floor mats securely and as prescribed.
- ▶ Do not use loose floor mats and do not place floor mats on top of one another.



**! NOTE**

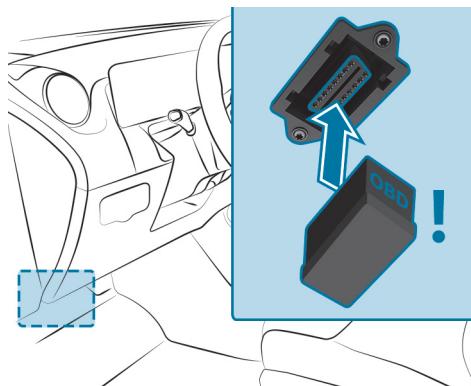
Battery discharging from using devices connected to the diagnostics connection

Using devices at the diagnostics connection drains the battery.

- ▶ Check the charge level of the battery.
- ▶ If the charge level is low, charge the battery, e.g. by driving a considerable distance.

Moreover, connecting equipment to the diagnostics connection can lead to emissions monitoring information being reset, for example. This may lead to the vehicle failing to meet the requirements of the next emissions inspection during the main inspection.

Please also note the information about the 12 V battery and short-distance trips in the "Driving and Parking" chapter (→ page 295).

**CONNECTING AND USING ANOTHER DEVICE WITH THE DIAGNOSTICS CONNECTION CAN HAVE THE FOLLOWING EFFECTS:**

- Malfunctions in the vehicle system
- Permanent damage to vehicle components

Please refer to the warranty terms and conditions for this matter.





< Qualified specialist workshop

A qualified specialist workshop has the necessary special skills, tools and qualifications to correctly carry out any necessary work on your vehicle. This particularly applies to safety-critical work.

ALWAYS HAVE THE FOLLOWING WORK CARRIED OUT ON YOUR VEHICLE AT A QUALIFIED SPECIALIST WORKSHOP:

- Safety-critical work
- Service and maintenance work
- Repair work
- Modifications as well as installations and conversions
- Work on electronic components
- **Plug-in hybrid:** work on the hybrid system
- **Vehicles with 48 V on-board electrical system:** work on the high-voltage component of the 48 V on-board electrical system

Mercedes-Benz recommends a Mercedes-Benz service centre.





< Vehicle registration

Mercedes-Benz may ask its service centres to carry out technical inspections on certain vehicles. The quality or safety of the vehicle is improved as a result of the inspection.

Mercedes-Benz can only inform you about vehicle checks if Mercedes-Benz has your registration data.

IT IS POSSIBLE THAT YOUR VEHICLE HAS NOT YET BEEN REGISTERED IN YOUR NAME IN THE FOLLOWING CASES:

- if your vehicle was not purchased at an authorised specialist dealer.
- if your vehicle has not yet been examined at a Mercedes-Benz service centre.

It is advisable to register your vehicle with a Mercedes-Benz service centre.

Inform Mercedes-Benz as soon as possible about any change in address or vehicle ownership. You can do this at a Mercedes-Benz service centre, for example.





< Correct use of the vehicle

If you remove any warning stickers, you or others could fail to recognise certain dangers. Leave warning stickers in position.

OBSERVE THE FOLLOWING INFORMATION IN PARTICULAR WHEN DRIVING YOUR VEHICLE:

- the safety notes in this Owner's Manual, vehicle-specific supplements and further supplementary documents
- technical data for the vehicle
- Traffic rules and -regulations of the country you are currently in
- Motor vehicle laws and safety standards of the country you are currently in
- Radio regulatory requirements of the country you are currently in





< Notes for persons with electronic medical aids

Despite meticulous development of their vehicle systems, Mercedes-Benz AG cannot completely rule out the interaction of vehicle systems with electronic medical aids, such as cardiac pacemakers.

In addition, there are components installed in the vehicle that can generate magnetic fields on a par with permanent magnets, regardless of the operating status of the vehicle. These fields may occur in the area around the multimedia system and sound system, for example, or in the area around the seats, depending on the respective vehicle equipment.

IN SOME CASES, THIS COULD RESULT IN THE FOLLOWING, DEPENDING ON THE AIDS USED:

- Medical aids malfunctioning
- Adverse health effects

Observe the notes and warnings of the manufacturer of the medical aids; if in doubt, contact the device manufacturer and/or your doctor. If there is continuing uncertainty concerning the possibility of medical aids malfunctioning, Mercedes-Benz AG recommends using fewer electrical vehicle systems and/or maintaining a distance from the components.

Plug-in hybrid

WHEN CHARGING THE HIGH-VOLTAGE BATTERY, KEEP A DISTANCE OF AT LEAST AN ARM'S LENGTH BETWEEN THE MEDICAL AID AND THE FOLLOWING COMPONENTS:

- the power supply equipment

This includes charging stations in the form of a wallbox or a public charging point, for example.

- vehicle components carrying live voltage

This includes the charging cable and the charging control box, for example.

ALWAYS HAVE REPAIRS AND MAINTENANCE WORK IN THE AREA OF THE FOLLOWING COMPONENTS CARRIED OUT AT A QUALIFIED SPECIALIST WORKSHOP:

- vehicle components carrying live voltage
- transmission aerials
- multimedia system and sound system

If you have any queries or suggestions, consult a qualified specialist workshop.





< Implied warranty

! **NOTE**

Damage to the vehicle arising from violation of these operating instructions.

Damage to the vehicle can arise from violation of these operating instructions.

This damage is not covered either by the Mercedes-Benz implied warranty or by the New- or Used-Vehicle Warranty.

- ▶ Follow the instructions in these operating instructions on proper operation of your vehicle as well as on possible vehicle damage.





< QR code for rescue card

QR codes are attached in the fuel filler flap and on the opposite side on the B-pillar. In the event of an accident, rescue services can use the QR code to quickly find the appropriate rescue card for your vehicle. The current rescue card contains the most important information about your vehicle (e.g. the routing of the electric lines) in compact form.

You can find further information at: <https://rk.mb-qr.com/de/>





< Data storage

Data processing in the vehicle

ELECTRONIC CONTROL UNITS

Electronic control units are fitted in your vehicle. Control units process data they receive, generate themselves or exchange with each other, for example from vehicle sensors. Some control units are required for the safe operation of your vehicle. For example, some assist you when driving, such as driver assistance systems, while others enable convenience or infotainment functions.

The following section provides general information about data processing in the vehicle. Additional information regarding which vehicle data is collected, saved and transmitted to third parties and for what purpose can be found in the information directly related to the relevant functional characteristics in the respective Owner's Manual. This information is available online and digitally, depending on the vehicle's equipment.

PERSONAL DATA

A unique vehicle identification number identifies every vehicle. Depending on the country, this vehicle identification number can also be used to determine the identity of the vehicle keeper, e.g. by the authorities. There are also other ways of tracing data collected from the vehicle back to the keeper or driver, such as the license plate number.

The data generated or processed by control units may therefore be attributable to a person or, in certain circumstances, become attributable to a person. Depending on which vehicle data are available, it may be possible to make inferences about, for example, your driving behaviour, location, route or use patterns.

LEGAL REQUIREMENTS REGARDING THE DISCLOSURE OF DATA

If legally required to do so, manufacturers are generally obliged to provide the authorities with data stored by the manufacturer upon request and to the extent required. For example, this may be the case during the investigation of a criminal offence.

State authorities are themselves authorised to read out data from the vehicle in individual cases and within the applicable legal framework. In the case of an accident, information that can help with an investigation can be taken from the airbag control unit, for example.

OPERATIONAL DATA IN THE VEHICLE

To operate the vehicle, control units process data.

THIS INCLUDES THE FOLLOWING DATA, FOR EXAMPLE:

- Vehicle status information such as speed, longitudinal acceleration, lateral acceleration, number of wheel revolutions or the fastened seat belts display
- Ambient conditions, such as temperature, rain sensor or distance sensor

Generally, this data is volatile and will not be stored beyond the period of operation and will only be processed within the vehicle itself. Control units, for example, vehicle keys, often contain data memories. Their use permits the temporary or permanent documentation of technical information about the vehicle's operating state, component loads, maintenance requirements and technical events or faults.





DEPENDING ON THE TECHNICAL EQUIPMENT, THE FOLLOWING DATA ARE STORED:

- Operating status of system components, suchas fill levels, tyre pressure or battery status
- Malfunctions or faults in important system components, suchas lights or brakes
- System reactions in special driving situations, suchas an airbag deployment or the intervention of stability control systems
- Information on events leading to vehicle damage

In certain cases, storing data that would have otherwise been temporary may be required. This may be the case if the vehicle has detected a malfunction, foreexample.

If you make use of services, e.g.repair services, maintenance work,- the stored operating data can be read out and used together with the vehicle identification number – if necessary. Service network employees suchas workshops and manufacturers, and third parties suchas breakdown services can read out the data. The same is true in the event of warranty claims and quality assurance measures.

In general, the readout is performed via the legally prescribed port for the diagnostics connection in the vehicle. The selected operating data document the vehicle's or individual components' technical conditions, help with fault diagnosis, compliance with warranty obligations and quality improvement. To that end, these data, particularly information about component loads, technical events, malfunctions and other faults, may be transmitted to the manufacturer along with the vehicle identification number. Furthermore, the manufacturer is subject to product liability. For this reason, the manufacturer also uses operational data from the vehicle, e.g. for recalls. This data can also be used to review the customer's warranty and guarantee claims.

Fault memories in the vehicle can be reset by a service outlet or at your request as part of repair or maintenance work.

CONVENIENCE AND INFOTAINMENT FUNCTIONS

You can store the vehicle's convenience and individual settings and change or reset them at any time.

DEPENDING ON THE VEHICLE EQUIPMENT, THIS INCLUDES THE FOLLOWING SETTINGS, FOREXAMPLE:

- Seat and steering wheel positions
- Suspension tuning and climate control settings
- Individual settings, suchas interior lighting

Depending on the selected equipment, you can import data into vehicle infotainment functions yourself.

DEPENDING ON THE VEHICLE EQUIPMENT, THIS INCLUDES THE FOLLOWING DATA, FOREXAMPLE:

- Multimedia data, suchas music, films or photos for playback in an integrated multimedia system
- Address book data for use in connection with an integrated hands-free system or an integrated navigation system
- Entered navigation destinations
- Data about the use of Internet services

This data for convenience and infotainment functions may be saved locally in the vehicle or on a device connected to the vehicle, suchas a smartphone, USB flash drive or MP3 player. If you have entered this data yourself, you can delete it at any time.



This data is transmitted only from the vehicle to third parties at your request. This applies in particular when you use online services per your selected settings.

SMArtphone INTEGRATION (E.G. ANDROID AUTO OR APPLE CARPLAY®)

If your vehicle is equipped accordingly, you can connect your smartphone or another mobile end device to the vehicle. You can then control them using the control elements integrated into the vehicle. Images and audio from the smartphone can be output via the multimedia system. Certain information is simultaneously transferred to your smartphone. Depending on the type of integration, this includes position data, day/night mode and other general vehicle statuses. For more information, please consult the vehicle Owner's Manual/infotainment system.

This integration allows the use of selected smartphone apps, such as navigation or music player apps. There is no further interaction between the smartphone and the vehicle; in particular, vehicle data is not directly accessible. The type of additional data processing is determined by the provider of the app being used. The settings you can make, if any, depend on the specific app and your smartphone's operating system.

Online services

WIRELESS NETWORK CONNECTION

If your vehicle has a wireless network connection, it enables data to be exchanged between your vehicle and additional systems. The wireless network connection is made possible by the vehicle's own transmitter and receiver or by a mobile end device that you have brought into the vehicle, for example, a smartphone. Online functions can be used via the wireless network connection. This includes online services and applications/apps provided to you by the manufacturer or by other providers.

MANUFACTURER'S SERVICES

Regarding the manufacturer's online services, the individual functions are described by the manufacturer in a suitable place, for example, in the Owner's Manual or on the manufacturer's website, where the relevant data protection information is also given. Personal data may be used for the provision of online services. Data are exchanged via a secure connection, such as the manufacturer's designated IT systems. Any personal data which are collected, processed and used, other than for the provision of services, is done so exclusively on the basis of legal permission. This is the case, for example, for a legally prescribed emergency call system, a contractual agreement or when consent has been given.

You can have services and functions, some of which are subject to a fee, activated or deactivated. This excludes legally prescribed functions and services, such as an emergency call system.

THIRD PARTY SERVICES

If you use online services from other providers (third parties), these services are the responsibility of the provider in question and subject to that provider's data protection conditions and terms of use. As a general rule, the manufacturer has no influence on the content exchanged.

For this reason, when services are provided by third parties, please ask the service provider in question for information about the type, extent and purpose of the collection and use of personal data.

Data protection rights

Depending on your country or the equipment and range of functions of your vehicle as well as the services you use and the services on offer, you are entitled to different data protection rights. Further information on data protection and your data protection rights can either be found on the manufacturer's website or you will receive this information as part of the various services





and service offers. There you will also find the contact information for the manufacturer and its data protection officers.

At a workshop, for example, with the support of a specialist and possibly for a fee, you can have data read out which is stored only locally in the vehicle.





< Copyright

INFORMATION PERTAINING TO LICENCES FOR FREE AND OPEN SOURCE SOFTWARE APPLICABLE FOR YOUR VEHICLE CAN BE OBTAINED AS FOLLOWS:

- on the data storage medium in your vehicle document wallet
- by performing an update online at: <https://www.mercedes-benz.com/opensource>



[Back to Contents](#)



< Occupant safety

This interactive PDF works like a website – tap or click a button to jump straight to where you want to go.

You can return here at any time via the navigation bar at the top left.

Brief overview of most important points



Information on the automatic functions of
the restraint system



Purpose and function of the restraint sys-
tem



Seat belts



Airbags





< Brief overview of most important points

Basic information

IN PARTICULAR ENSURE THE FOLLOWING CONDITIONS TO ENABLE THE COMPONENTS OF THE RESTRAINT SYSTEM TO UNFOLD THEIR PROTECTIVE POTENTIAL:

- Sit correctly (→ page 131).
- Fasten the seat belt correctly (→ page 132).
 - Function of the  seat belt warning lamp (→ page 134).
 - Function of the rear seat belt status display (→ page 134).
- The  restraint system warning lamp has gone out after the self-test (→ page 133).
- The PASSENGER AIR BAG indicator lamps display the correct status of the front passenger airbag (→ page 135).

FOR CLEAR UNDERSTANDING

The chapter "Occupant safety" includes information on equipment, functions and behaviours that contribute directly to safety of vehicle occupants.

THE INFORMATION IS STRUCTURED AS FOLLOWS:

- **The most important information in brief:** in this chapter, you are provided with an overview of the relationship between the restraint system and the correct behaviour of all vehicle occupants.
- **Specific information:** in further sections of the chapter "Occupant safety", you can find specific information on the equipment and functions of the restraint system.

- **Keyword search:** You can also find specific topics using the search field in the Digital Owner's Manual.

INFORMATION ON THE FOLLOWING SUBJECTS, AMONG OTHERS, IS NOT PROVIDED IN THE CHAPTER "OCCUPANT SAFETY":

- Children in the vehicle (→ page 151)
- Driving and driving safety systems (→ page 365)
- Stowage areas (→ page 233)

DEFINING GENERIC TERMS CLEARLY

IN THIS OWNER'S MANUAL, THE FOLLOWING GENERIC TERMS ARE USED:

- **Occupant safety:** comprises the components and system functions which help to minimise, as much as possible, the stresses on and consequences for vehicle occupants during an accident.
- **Restraint system:** comprises those components which, along with the vehicle structure, help prevent vehicle occupants from potentially coming into contact with parts of the vehicle interior. The seat belts and airbags, for example, are components of the restraint system.
- **Child restraint system:** you can find all information on this subject in the chapter "Children in the vehicle" (→ page 151).

BE DILIGENT

For the components of the restraint system to provide the intended level of protection, it is essential that your posture is correct and that the seat belt is correctly fastened.



Please bear in mind that carelessness regarding the seating position and putting on the seat belt may have serious consequences. Be diligent and make sure that all vehicle occupants are sitting correctly and have fastened their seat belts properly before starting every journey (→ page 131).

Information on the correct seat position

The seat position must be correct in order for the components of the restraint system to provide the intended level of protection.

The seat position influences both the protection provided by the seat belt and the additional protection provided by the airbag.

A correct seat position in which the seat is nearly perfectly upright and a correctly fastened seat belt reduce the risks posed by the airbag when it is deployed.

Keep in mind space considerations when choosing a seat. With the seat in the correct, nearly upright position, your head should not touch the roof.

WARNING

Risk of injury- or death due to an incorrect seat position

If you deviate from the correct seat position, the airbag cannot provide its intended protective function.

Each vehicle occupant must make sure of the following.

- ▶ Put the seat in the correct position.
- ▶ Fasten seat belts correctly.
- ▶ Observe the following information.

IN ORDER FOR THE RESTRAINT SYSTEM TO PROVIDE THE INTENDED LEVEL OF PROTECTION, OBSERVE THE FOLLOWING INFORMATION:

- Before starting your journey, adjust your seat correctly (→ page 210). When doing so, make sure you are able to fasten your seat belt correctly. The shoulder belt strap must be routed forward from the seat belt outlet over the centre of your shoulder.
- Keep your distance from the airbags, especially the front airbags. Set the driver's seat and front passenger seat as far back as possible while making sure the seat belt is fastened correctly.
- If persons are sitting on the rear seats, vehicle occupants should maintain an sufficient distance to the parts of the vehicle interior in front of them.
- Make sure there are no people, animals or objects between the vehicle occupants and an airbag.
- If you are the driver, observe the following information on the correct position of the driver's seat (→ page 210). Only hold the steering wheel by the steering wheel rim. This allows the driver's airbag to fully deploy.
- Assume a nearly upright sitting posture, with your buttocks positioned as far back as possible in the gap between the seat cushion and the seat backrest. Your back must lie as flatly and as firmly as possible against the seat backrest.
- While driving, do not lean forward and do not lean against the door or side window. You may otherwise be in the deployment area of the airbags.
- Sit with their feet resting on the floor, if possible. Your thighs are slightly supported by the seat cushion. Do not put your feet on the cockpit, for example. Your feet may otherwise be in the deployment area of the airbag.



- Fasten the seat belt correctly (→ page 132).

Notes on wearing the seat belt correctly

Always fasten your seat belt correctly before starting a journey. A seat belt can only provide the best level of protection if it is worn correctly.

WARNING

Risk of injury or death due to incorrectly fastened seat belt

If the seat belt is not worn correctly, it cannot perform its intended protective function.

In addition, an incorrectly fastened seat belt can also cause injuries, for example, in the event of an accident or when braking or changing direction suddenly.

- ▶ Always ensure that all vehicle occupants have their seat belts fastened correctly and are sitting properly.

WARNING

Risk of injury or death when additional restraint systems are not used for persons with a smaller stature

Persons under 1.50 m tall cannot wear the seat belt correctly without a suitable additional restraint system.

- ▶ Always secure persons under 1.50 m tall in a suitable restraint system.

Observe the following information on the correct seat position and posture (→ page 131).

EACH VEHICLE OCCUPANT MUST OBSERVE THE FOLLOWING NOTES IN PARTICULAR:

- The seat belt must not be twisted.
 - The shoulder belt strap must be routed forward from the seat belt outlet over the centre of your shoulder.
 - The shoulder belt strap should neither touch your neck nor be routed under your arm or behind your back.
 - The lap belt must be routed as low down across the hips as possible. In addition, push the lap belt down as far as possible across your hips and pull tight with the shoulder belt strap. Never route the lap belt across your abdomen.
 - After being tightened, the shoulder belt strap and lap belt must fit snugly against the body.
 - Particularly during pregnancy, the instructions for wearing the seat belt correctly must be followed consistently due to the change in stature. The shoulder strap should run along the side of the abdomen.
 - Avoid wearing bulky clothing, e.g. a winter coat.
 - Never route the seat belt across sharp, pointed, abrasive or fragile objects.
 - Only one person should use each seat belt at any one time.
 - Never secure objects with a seat belt if the seat belt is also being used by one of the vehicle's occupants.
- Also ensure that no objects, e.g. a cushion, are ever placed between a person and the seat.

If you are driving with a child in the vehicle, observe the information in the chapter "Children in the vehicle" (→ page 151)

Observe the instructions for loading the vehicle when securing objects, luggage or loads (→ page 233).



Fastening seat belts

If the seat belt is pulled quickly or sharply, the seat belt retractor locks. The seat belt strap cannot be pulled out any further.



- ▶ Always engage seat belt tongue ② of the seat belt into seat belt buckle ① of the corresponding seat.

! NOTE

Deployment of components of the restraint system when the front passenger seat is unoccupied and a seat belt is buckled

When the front passenger seat is unoccupied and the seat belt tongue of the seat belt is engaged in the seat belt buckle, components of the restraint system may deploy unnecessarily on the front passenger side, e.g. the seat belt tensioner.

- ▶ Only buckle the seat belts as intended.

Function of the restraint system warning lamp

When the vehicle is switched on, a self-test is performed, during which the restraint system warning lamp lights up. It goes out no later than a few seconds after the vehicle is started. The components of the restraint system are then functional.

A MALFUNCTION HAS OCCURRED IN THE RESTRAINT SYSTEM IF:

- the restraint system warning lamp does not light up or is lit continuously when the vehicle is switched on
- the restraint system warning lamp lights up continuously or repeatedly during a journey

If components of the restraint system have been deployed, the restraint system warning lamp lights up continuously.

⚠ WARNING

Risk of injury due to malfunctions in the restraint system

Components in the restraint system may be activated unintentionally or not deploy as intended in an accident.

- ▶ Have the restraint system checked and repaired immediately at a qualified specialist workshop.

Plug-in hybrid: if the restraint system is malfunctioning, the automatic high-voltage emergency shut-off may not function.



**DANGER**

Risk of fatal injury due to malfunctioning automatic high-voltage emergency shutoff

In the event of an accident, the high-voltage on-board electrical system may not be deactivated as intended.

You may receive an electric shock if you touch the damaged components of the high-voltage on-board electrical system.

- ▶ Have the automatic high-voltage emergency shutoff checked and repaired immediately at a qualified specialist workshop.
- ▶ After an accident, switch off the vehicle immediately.

Mercedes-Benz recommends that you have the vehicle towed to a qualified specialist workshop.

Function of the seat belt warning lamp

The seat belt warning lamp  on the instrument display is a reminder that the driver and/or front passenger are not wearing their seat belts.

All vehicle occupants must fasten their seat belts correctly (→ page 132).

In addition, a warning tone may sound.

When the driver and the front passenger fasten their seat belts, the seat belt warning goes out.

Function of the rear seat belt status display

The rear seat belt status display is only available for certain countries.



The colour of the symbol is intended to help you quickly identify the status of the rear seat belt.

Every time the vehicle is switched on, the rear seat belt status display informs you for a certain amount of time which rear seat belt is not fastened.

POSSIBLE COLOUR OF THE SYMBOL:

- Grey: the rear seat belt is not fastened.
- Green: the seat belt tongue of a rear seat belt is engaged in the seat belt buckle of the displayed seat.
- Red: the person in the rear seat has unfastened their seatbelt.

If a vehicle occupant unfastens a seat belt in the rear while the vehicle is in motion, the rear seat belt status display reappears.

In addition, a warning tone may sound.





Function of the PASSENGER AIR BAG indicator lamps (front passenger airbag)



Vehicles without automatic front passenger airbag shutoff have a special sticker affixed to the side of the cockpit on the front passenger side (→ page 156).

The indicator lamps PASSENGER AIR BAG display the status of the front passenger airbag.

If the front passenger seat is occupied or a child restraint system is installed on it, make sure both before and during the journey that the status of the front passenger airbag is correct for the situation.

WARNING

Risk of potentially fatal injuries due to objects trapped under the front passenger seat

Objects trapped under the front passenger seat may interfere with the function of the automatic front passenger airbag shutoff or damage the system.

- ▶ Do not stow any objects under the front passenger seat.
- ▶ When the front passenger seat is occupied, ensure that no objects have become trapped beneath the front passenger seat.

Self-test: when the vehicle is switched on, both the PASSENGER AIR BAG ON and OFF indicator lamps light up simultaneously for several seconds.

AFTER THE SELF-TEST, YOU CAN DETERMINE THE STATUS OF THE FRONT PASSENGER AIRBAG AS FOLLOWS:

- **Front passenger airbag disabled:** PASSENGER AIR BAG OFF lights up continuously.
The front passenger airbag will not be deployed in the event of an accident. If PASSENGER AIR BAG OFF is lit, no one may use the front passenger seat.
If a rearward-facing child restraint system is fitted on the front passenger seat, PASSENGER AIR BAG OFF must be lit continuously.
- **Front passenger airbag enabled:** PASSENGER AIR BAG ON lights up for up to 60 seconds or until both the PASSENGER AIR BAG ON and OFF indicator lamps go out.



The front passenger airbag may be deployed during an accident. If the front passenger airbag is in this status, no rearward-facing child restraint system may be fitted on the front passenger seat.

-  If you are driving with a child in the vehicle, observe the information in the chapter "Children in the vehicle" (→ page 151).

WARNING

Risk of injury or death due to a disabled front passenger airbag
The front passenger airbag is disabled when the PASSENGER AIR BAG OFF indicator lamp is lit.

A person in the front passenger seat could then, for example, come into contact with the vehicle interior, especially if the person is sitting too close to the cockpit.

IF THE FRONT PASSENGER SEAT IS OCCUPIED, ALWAYS ENSURE THAT:

- the classification of the person in the front passenger seat is correct and the front passenger airbag is enabled or disabled in accordance with the person in the front passenger seat.
 - the front passenger seat has been moved as far back as possible.
 - the person is seated correctly.
- Both before and during the journey, ensure that the status of the front passenger airbag is correct.

MALFUNCTION OF THE AUTOMATIC FRONT PASSENGER AIRBAG DEACTIVATION

The PASSENGER AIR BAG OFF indicator lamp and the  restraint system warning lamp light up simultaneously.

In this case, no one may use the front passenger seat and no child restraint system may be fitted on the front passenger seat.

Have the automatic front passenger airbag shutoff checked and repaired immediately at a qualified specialist workshop.

Disabling or enabling the front passenger airbag

The automatic front passenger airbag shutoff can disable or enable the front passenger airbag according to the situation.

This happens automatically as a result of the classification of the person or child restraint system on the front passenger seat.

You cannot manually disable or enable the front passenger airbag.

Information on the child restraint system

When fitting a child restraint system, observe the notes in "Children in the vehicle" (→ page 151).





NOTES ON THE CHILD RESTRAINT SYSTEM ON THE FRONT PASSENGER SEAT

WARNING

Risk of injury or death due to an enabled co-driver airbag

If the co-driver airbag is enabled, a child on the co-driver seat may be struck by the co-driver airbag during an accident.

- ▶ NEVER use a rearward-facing child restraint system on a seat with an ENABLED FRONT AIRBAG. DEATH or SERIOUS INJURY to the CHILD can occur.

Also pay particular attention to the notes on rearward-facing or forward-facing child restraint systems on the front passenger seat (→ page 157).





< Information on the automatic functions of the restraint system

Function of the automatic front passenger airbag deactivation

A PERSON ON THE FRONT PASSENGER SEAT MUST OBSERVE THE FOLLOWING INSTRUCTIONS:

- Sit correctly (→ page 131).
- Fasten seat belts correctly (→ page 132).

The automatic front passenger airbag shutoff can disable or enable the front passenger airbag according to the situation.

MAKE SURE YOU OBSERVE THE FOLLOWING INFORMATION:

- The status of the front passenger airbag, see "Function of the PASSENGER AIR BAG indicator lamps"(→ page 135).
- When fitting a child restraint system to the front passenger seat, observe the vehicle-specific information (→ page 157).



STATUS OF THE FRONT PASSENGER AIRBAG IN RELATION TO THE STATUS OF THE PERSON:

- **Front passenger airbag disabled:** PASSENGER AIR BAG OFF lights up continuously.
The front passenger airbag will not be deployed in the event of an accident. If PASSENGER AIR BAG OFF is lit, no one may use the front passenger seat.
 - **Front passenger airbag enabled:** PASSENGER AIR BAG ON lights up for up to 60 seconds or until both the PASSENGER AIR BAG ON and OFF indicator lamps go out.
The front passenger airbag may be deployed during an accident. Observe the following information on the correct seat position (→ page 131).
- Vehicles with rear seats:** a person of smaller stature should use a rear seat.



SYSTEM LIMITS

THE FRONT PASSENGER AIRBAG MAY BE DISABLED BY MISTAKE, E.G. IN THE FOLLOWING SITUATIONS:

- The front passenger transfers their weight by supporting themselves on a vehicle armrest.
- The front passenger sits in such a way that they unload the seat surface.

NOTE

Deployment of components of the restraint system when the front passenger seat is unoccupied

IN AN ACCIDENT, THE COMPONENTS OF THE RESTRAINT SYSTEM MAY DEPLOY UNNECESSARILY ON THE FRONT PASSENGER SIDE IF:

- There are heavy objects on the front passenger seat.
- The seat belt tongue is engaged in the seat belt buckle of the front passenger seat and the front passenger seat is unoccupied.
- ▶ Stow objects in a suitable place.
- ▶ Only one person should use each seat belt at any one time.

Depending on the detected accident situation, the window airbag on the front passenger side may deploy. The airbag is deployed regardless of whether the front passenger seat is occupied.

Function of PRE-SAFE® (anticipatory occupant protection)

PRE-SAFE® is able to detect certain critical driving situations and implement pre-emptive measures to protect the vehicle occupants.

PRE-SAFE® CAN IMPLEMENT THE FOLLOWING MEASURES INDEPENDENTLY OF EACH OTHER:

- tightening the seat belts on the driver's seat and front passenger seat.
- closing the side windows.
- **Vehicles with sliding sunroof:** closing the sliding sunroof.
- **Vehicles with memory function:** moving the front passenger seat to a more favourable seat position.
- **PRE-SAFE® Sound:** provided that the multimedia system is switched on, generating a brief noise signal to stimulate the innate protective mechanism of a person's hearing.

NOTE

Damage caused by objects in the footwell or behind the seat

The automatic adjustment of the seat position may result in damage to the seat and/or the object.

- ▶ Stow objects in a suitable place.

Reversing the PRE-SAFE® system measures

If an accident did not occur, the pre-emptive measures that were taken are reversed.





You will need to perform certain settings yourself.

- ▶ If the seat belt pre-tensioning is not reduced, move the seat backrest slightly backwards.
The seat belt pre-tensioning releases.

Seat belt adjustment function

Vehicles with PRE-SAFE®: After you have fastened the seat belt of the front seat, it may adjust itself against your body by pulling at the shoulder until somewhat tight. Do not hold the seat belt tightly while it is adjusting.

You can activate and deactivate the seat belt adjustment function using the multimedia system (→ page 140).

Activating/deactivating seat belt adjustment via the multimedia system

Multimedia system:

-     Settings ► Vehicle ► Occupant protection
- ▶ Activate or deactivate [Belt adjustment](#).

Overview of the automatic measures after an accident

**DEPENDING ON THE TYPE AND SEVERITY OF THE ACCIDENT, AND
DEPENDING ON THE VEHICLE'S EQUIPMENT, THE FOLLOWING MEASURES
CAN BE IMPLEMENTED, FOR EXAMPLE:**

- automatic braking (post-collision brake) (→ page 140)

- activating the hazard warning lights
- triggering an automatic emergency call (→ page 77)
- switching off the engine

To start the vehicle again, switch the vehicle off and back on (→ page 289). Depending on the type and severity of the accident, the vehicle might no longer start.

- Shutting off the fuel supply
- **Plug-in hybrid:** shutting off the hybrid drive system and high-voltage on-board electrical system
- unlocking the vehicle doors
- lowering the side windows
- displaying the emergency guide on the central display (→ page 572)
- switching on the interior lighting

Function of the post-collision brake after an accident

Depending on the accident situation, the post-collision brake can minimise the severity of a further collision or even avoid it.

If an accident is detected, the post-collision brake can initiate automatic braking. When the vehicle has come to a standstill, the electric parking brake is automatically applied.

THE DRIVER CAN CANCEL AUTOMATIC BRAKING BY TAKING THE FOLLOWING ACTIONS:

- braking more strongly than automatic braking
- fully depressing the accelerator pedal with force



< Purpose and function of the restraint system

Overview of deployment situations (restraint system)

IN PARTICULAR ENSURE THE FOLLOWING CONDITIONS TO ENABLE THE COMPONENTS OF THE RESTRAINT SYSTEM TO UNFOLD THEIR PROTECTIVE POTENTIAL:

- Sit correctly (→ page 131).
- Fasten seat belts correctly (→ page 132).
 - Function of the seat belt warning lamp (→ page 134).
 - Function of the rear seat belt status display (→ page 134).
- The  restraint system warning lamp does not light up after the self-check (→ page 133).
- The PASSENGER AIR BAG indicator lamps display the correct status of the front passenger airbag (→ page 135).

DEPENDING ON THE DETECTED DEPLOYMENT SITUATION, THE COMPONENTS OF THE RESTRAINT SYSTEM CAN BE ACTIVATED OR DEPLOYED INDEPENDENTLY OF EACH OTHER:

- Seat belt tensioner: frontal impact, rear impact, side impact
- Driver's airbag, front passenger airbag: frontal impact
- Knee airbag: frontal impact
- Side airbag: side impact

- Window airbag: side impact, frontal impact

The installation location of an airbag is identified by the AIRBAG (→ page 149) symbol.

Observe the information on how the restraint system works (→ page 141).

Information on how the restraint system works

The function of the restraint system depends on the severity of the impact detected and the apparent type of accident.

For more information about types of accidents, see "Overview of deployment situations" (→ page 141).

The activation thresholds for the components of the restraint system are determined based on the evaluation of the sensor values measured at various points in the vehicle. This process is pre-emptive in nature. The triggering of the components of the restraint system must take place in good time at the start of the impact.

Factors which can only be seen and measured after a collision has occurred cannot play a decisive role in airbag deployment. They also do not provide an indication of airbag deployment.

The vehicle may be deformed significantly without an airbag being deployed. This is the case if only parts which are relatively easily deformed are affected





and the rate of vehicle deceleration is not high. Conversely, an airbag may be deployed even though the vehicle suffers only minor deformation. If, e.g. very rigid vehicle parts such as longitudinal members are hit, this may result in sufficiently high levels of vehicle deceleration.

Depending on the apparent type of accident and the detected deployment situation, seat belt tensioners and/or airbags supplement the protection offered by a correctly worn seat belt.

When enabled, an airbag can provide additional protection for the respective vehicle occupant.

POTENTIAL PROTECTION PROVIDED BY EACH AIRBAG:

- Knee airbag: thighs, knees and lower legs
- Driver's airbag, front passenger airbag: head and ribcage
- Window airbag: head
- Side airbag: ribcage and pelvis

Vehicles with AMG Performance seat: the side airbag provides possible protection potential for the ribcage.

However, no system available today can completely eliminate injuries and fatalities in every accident situation. In particular, the seat belt and airbag generally do not protect against objects penetrating the vehicle from the outside. It is also not possible to completely rule out the risk of injury caused by the airbag deploying.

Mercedes-Benz recommends that you have the vehicle towed to a qualified specialist workshop after an accident. Take this into account, particularly if a seat belt tensioner has been triggered or an airbag deployed.

IF THE SEAT BELT TENSIONERS ARE TRIGGERED OR AN AIRBAG IS DEPLOYED, YOU WILL HEAR A BANG, AND A SMALL AMOUNT OF FINE POWDER MAY ALSO BE RELEASED:

- The bang will not generally affect your hearing.
- In general, the fine powder released is not hazardous to health but may cause short-term breathing difficulties to persons suffering from asthma or other respiratory problems.

Provided it is safe to do so, leave the vehicle immediately or open the window in order to prevent breathing difficulties.

Information on the limited protection provided by the restraint system

RISK DUE TO THE INCORRECT BEHAVIOUR OF VEHICLE OCCUPANTS EVERY VEHICLE OCCUPANT MUST MAKE SURE OF THE FOLLOWING IN PARTICULAR:

- They observe the information on the correct seat position (→ page 131).
- Do not stow any heavy, pointed, sharp or fragile objects in the pockets of clothing items. Stow such objects in a suitable place.



**⚠ WARNING**

Risk of injury or death due to incorrect seat position

The seat belt will not offer the intended level of protection if you have not moved the seat backrest to an almost vertical position.

In particular, you may slip under the seatbelt and injure yourself.

- ▶ Adjust the seat properly before beginning your journey.
- ▶ Always ensure that the seat backrest is in an almost vertical position and that the shoulder section of your seat belt is routed across the centre of your shoulder.

RISK DUE TO OBJECTS IN THE VEHICLE INTERIOR**EVERY VEHICLE OCCUPANT MUST MAKE SURE OF THE FOLLOWING IN PARTICULAR:**

- They observe the information on the correct seat position (→ page 131).
- There are no objects between the seat, door and door pillar (B-pillar).
- There are no hard objects, e.g. clothes hangers, hanging on the grab handles or coat hooks.
- Do not stow any heavy, pointed, sharp or fragile objects in the pockets of clothing items. Stow such objects in a suitable place.

To secure objects, luggage or cargo, observe the instructions for loading the vehicle (→ page 233).

⚠ WARNING

Risk of injury or death due to blocked seat belt buckle or seat belt anchorage

Objects next to the front seat that block the seat belt buckle or the moving seat belt anchorage on the front seat impair the function of the seat belt tensioners.

- ▶ Before starting the journey, make sure that there are no objects around the seat belt buckle or between the front seat and door.

⚠ WARNING

Risk of injury from objects in the deployment area of an airbag

Objects in the deployment area of an airbag can hinder or prevent the correct deployment of the airbag.

The airbag may then deploy in an uncontrolled manner and may even cause additional injuries to the vehicle occupants by deploying. This may be the case in particular if the airbag is integrated into the seat.

- ▶ Always stow and secure objects correctly.
- ▶ Before commencing your journey, make sure that no objects are stowed in the deployment area of an airbag.

The installation location of an airbag is identified by the symbol AIRBAG (→ page 149).





RISK DUE TO FITTING ACCESSORIES

Do not attach accessories such as mobile navigation devices, mobile phones or cup holders, within the deployment area of an airbag, e.g. on the cockpit, on the door, on the side window or on the side trim.

In addition, no connecting cables, tensioning straps or retaining straps must be routed or attached to the vehicle within the deployment area of an airbag. Always comply with the accessory manufacturer's installation instructions and, in particular, the notes on suitable places for installation.

WARNING

Risk of injury or death due to unsuitable protective covers

Due to unsuitable protective covers, the airbags cannot protect vehicle occupants as they are designed to do.

- ▶ You should only use protective covers that have been approved for the corresponding seat by Mercedes-Benz.

In addition, the function of the automatic front passenger airbag deactivation could be restricted due to an unsuitable protective cover. If the front passenger seat is occupied, ensure that the PASSENGER AIR BAG indicator lamps display the correct status of the front passenger airbag (→ page 135).

RISK DUE TO PETS IN THE VEHICLE INTERIOR

WARNING

Risk of accident and injury due to animals left unsecured or unattended in the vehicle

If you leave animals in the vehicle unattended or unsecured, they could press buttons or switches, for instance.

AN ANIMAL MAY:

- activate vehicle equipment and become trapped, for example
- switch systems on or off and endanger other road users

Unsecured animals may be thrown about the vehicle in the event of an accident, or sudden steering and braking manoeuvres, and injure vehicle occupants.

- ▶ Never leave animals unattended in the vehicle.
- ▶ Always correctly secure animals while driving, e.g. using a suitable animal carrier.





RISK DUE TO MODIFICATION, DAMAGE OR WEAR TO THE COMPONENTS OF THE RESTRAINT SYSTEM

⚠ WARNING

Risk of injury or death due to modifications to the restraint system

Vehicle occupants may no longer be protected as intended if alterations are made to the restraint system.

- ▶ Never alter the parts of the restraint system.
- ▶ Never tamper with the wiring or any electronic component parts or their software.

If it is necessary to modify the vehicle to accommodate a person with disabilities, contact a qualified specialist workshop.

Mercedes-Benz recommends that you use driving aids which have been approved for your vehicle by Mercedes-Benz.

⚠ WARNING

Risk of injury or death due to damaged or modified seat belts

SEAT BELTS CANNOT PROVIDE PROTECTION IN THE FOLLOWING SITUATIONS:

- the seat belt is damaged, has been modified, is extremely dirty, bleached or dyed
- the seat belt buckle is damaged or extremely dirty
- modifications have been made to the seat belt tensioner, seat belt anchorage or seat belt retractor

Seat belts may sustain non-visible damage in an accident, e.g. due to glass splinters.

Modified or damaged seat belts could tear or fail in the event of an accident, for example.

Modified seat belt tensioners could accidentally trigger or fail to function as intended.

- ▶ Never modify the seat belt system, for example the seat belt, seat belt buckle, seat belt tensioner, seat belt anchorage and seat belt retractor.
- ▶ Make sure that the seat belts are undamaged, not worn and clean.
- ▶ Always have the seat belts checked immediately after an accident at a qualified specialist workshop.

Mercedes-Benz recommends that you use seat belts which have been approved for your vehicle by Mercedes-Benz.



The seat is designed for the standard three-point seat belt. If you fit a different multipoint seat belt, for example a four-point seat belt, the restraint system cannot provide the intended level of protection.

Depending on the type of vehicle, there may be openings in the seat backrest. These openings have no function.

WARNING

Risk of injury or fatal injury due to modified seat belt systems

If you feed seat belts through the opening in the seat backrest, the seat backrest may be damaged or may even break in the event of an accident.

- ▶ Only use the standard three-point seat belt.
- ▶ Never modify the seat belt system.

WARNING

Risk of injury due to modifications to the cover of an airbag

If you modify the cover of an airbag or affix objects such as stickers to it, the airbag can no longer function as intended.

- ▶ Never modify the cover of an airbag.
- ▶ Do not attach any objects to the cover.

The installation location of an airbag is identified by the AIRBAG symbol
(→ page 149).

WARNING

Risk of injury due to malfunctioning sensors in the door

The function of the airbags can be impaired due to modifications or incorrect work performed on the doors or door trim, or if the doors are damaged.

- ▶ Never modify the doors or parts of the doors.
- ▶ Always have work on the doors or door trim carried out at a qualified specialist workshop.

RISK DUE TO COMPONENTS OF THE RESTRAINT SYSTEM WHICH HAVE ALREADY BEEN DEPLOYED

Mercedes-Benz recommends that you have the vehicle towed to a qualified specialist workshop after an accident.

WARNING

Risk of burns from hot airbag components

The airbag parts are hot after an airbag has been deployed.

- ▶ Do not touch the airbag parts.
- ▶ Have a deployed airbag replaced at a qualified specialist workshop as soon as possible.



**⚠ WARNING**

Risk of injury due to deployed airbag

A deployed airbag no longer offers any protection.

- ▶ Have the vehicle towed to a qualified specialist workshop in order to have the deployed airbag replaced.

Have deployed airbags replaced immediately.

⚠ WARNING

Risk of injury or death from deployed pyrotechnic seat belt tensioners

Pyrotechnic seat belt tensioners that have been deployed are no longer operational and are unable to perform their intended protective function.

- ▶ Therefore, have deployed pyrotechnic seat belt tensioners immediately replaced at a qualified specialist workshop.





< Seat belts

Releasing the seat belts

- ▶ Press the release button in the seat belt buckle and guide the seat belt back with the seat belt tongue.

! **NOTE**

Damage caused by trapping the seat belt

If an unused seat belt is not fully retracted, it may become trapped in the door or in the seat mechanism.

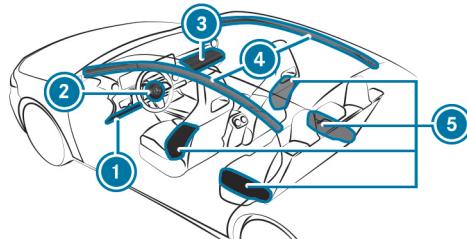
- ▶ Always ensure that an unused seat belt is fully retracted.





< Airbags

Overview of airbags



- ① Knee airbag
- ② Driver's airbag
- ③ Front passenger airbag
- ④ Window airbag
- ⑤ Side airbag

The installation location of an airbag is identified by the AIRBAG symbol.

Please observe the information under "Overview of deployment situations" (→ page 141).





< Children in the vehicle

This interactive PDF works like a website – tap or click a button to jump straight to where you want to go.

You can return here at any time via the navigation bar at the top left.

Key facts in brief



Important safety notes



Suitable child restraint systems for the
transport of children



Suitable seats for attaching child restraint
systems



Securing the child restraint system



Child safety locks



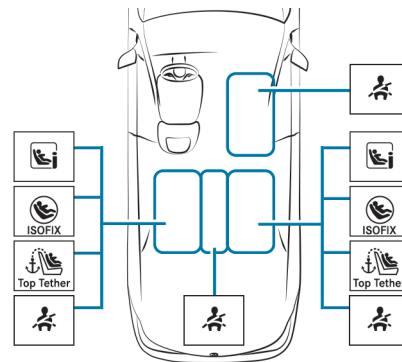
Occupant presence reminder





< Key facts in brief

Safely transporting children in the vehicle



ALWAYS OBSERVE THE FOLLOWING WHEN TRANSPORTING CHILDREN:

- Never leave children unattended in the vehicle (→ page 154).
- Secure children younger than twelve or of a height up to 1.50 m on the seat (see illustration above) properly with a suitable and approved child restraint system (→ page 160) and secure small children in a rearward-facing child restraint system.
- Observe the child restraint system manufacturer's installation instructions.

LEFT/RIGHT REAR SEAT (PREFERRED SEATS)

PREFERRED FASTENING SYSTEM:

- ISOFIX mounting brackets (→ page 165)
- or i-Size mounting brackets (→ page 166)
- and additionally fasten Top Tether if available (→ page 172).

ALTERNATIVE ATTACHMENT SYSTEM:

- Vehicle seat belt (→ page 173)
- Additionally fasten Top Tether if recommended by the manufacturer of the child restraint system (→ page 172).

The following child restraint systems of the Universal category are approved: U, UF, i-U, IUF. Please see the other alternatives for use (→ page 165).

FRONT PASSENGER SEAT

FASTENING SYSTEM:

- Vehicle seat belt (→ page 173)

**BE SURE TO OBSERVE:**

- If the front passenger seat is occupied, ensure that the status of the front passenger airbag is correct for the current situation (→ page 135).

The following child restraint systems of the Universal category are approved:
U(*), UF. Please see the other alternatives for use (→ page 166).

(*) rearward-facing child restraint systems only in conjunction with automatic airbag shutoff

REAR CENTRE SEAT**FASTENING SYSTEM:**

Vehicle seat belt (→ page 173)

The following belt-secured child restraint systems of the Universal category are approved: U, UF. Please see the other alternatives for use (→ page 166).





< Important safety notes

Basic information

BE DILIGENT

Bear in mind that negligence when securing a child in the child restraint system may have serious consequences. Always be diligent in securing a child carefully before every journey.

Never allow babies and children to travel sitting on the lap of another vehicle occupant.

TO IMPROVE PROTECTION FOR CHILDREN YOUNGER THAN TWELVE YEARS OR UNDER 1.50 M IN HEIGHT, MERCEDES-BENZ URGENTLY RECOMMENDS THAT YOU OBSERVE THE FOLLOWING:

- Always secure the child in a child restraint system suitable for this Mercedes-Benz vehicle.
- The child restraint system must be appropriate to the age, weight and size of the child.
- The vehicle seat must be suitable for the child restraint system to be fitted:
 - ISOFIX mounting bracket: (→ page 165)
 - i-Size mounting bracket: (→ page 166)
 - Securing with the vehicle seat belt: (→ page 166)

Accident statistics show that children secured on the rear seats are generally safer than children secured on the front seats. For this reason, Mercedes-Benz strongly advises that you fit a child restraint system to a rear seat.

THE GENERIC TERM CHILD RESTRAINT SYSTEM

THE GENERIC TERM CHILD RESTRAINT SYSTEM IS USED IN THIS OWNER'S MANUAL. A CHILD RESTRAINT SYSTEM IS, FOR EXAMPLE:

- a baby car seat
- a rearward-facing child seat
- a forward-facing child seat
- a child booster seat – Mercedes-Benz recommends using a child booster seat **with** a seat backrest and seat belt guide.

OBSERVE LAWS AND LEGAL REQUIREMENTS

Always observe the legal requirements when using a child restraint system in the vehicle.

Make sure that the child restraint system is approved in accordance with the valid test specifications and guidelines. Further information can be obtained at a qualified specialist workshop. Mercedes-Benz recommends that you use a Mercedes-Benz Service Centre for this purpose.

SECURING SYSTEMS FOR CHILD RESTRAINT SYSTEMS IN THE VEHICLE

ONLY USE THE FOLLOWING SECURING SYSTEMS FOR CHILD RESTRAINT SYSTEMS:

- the ISOFIX or i-Size mounting bracket
- the vehicle's seat belt system
- the Top Tether anchorages





Simply attaching to the ISOFIX mounting brackets or i-Size mounting brackets on the vehicle can reduce the risk of fitting the child restraint system incorrectly.

When securing a child with the integrated seat belt of the ISOFIX or i-Size child restraint system, always comply with the permissible gross mass for the child and child restraint system (→ page 170).

Important warning stickers

ALWAYS SECURE A CHILD RESTRAINT SYSTEM CORRECTLY

⚠ WARNING

Risk of injury or death due to incorrect installation of the child restraint system

The child can then not be protected or restrained as intended.

- ▶ Be sure to comply with the manufacturer's installation instructions for the child restraint system and its correct use.
- ▶ Make sure that the entire base of the child restraint system always rests on the sitting surface of the seat.
- ▶ Never place objects (e.g. cushions) under or behind the child restraint system.
- ▶ Use child restraint systems only with the original cover designed for them.
- ▶ Always replace damaged covers with genuine covers.

- Fitting an ISOFIX or i-Size child restraint system on the rear seat (→ page 170).
 - Securing the child restraint system with the seat belt (→ page 173).
- Observe the warning labels in the vehicle interior and on the child restraint system.

⚠ WARNING

Risk of injury or death due to unsecured child restraint systems in the vehicle

If the child restraint system is incorrectly fitted or not secured, it can become detached.

The child cannot then be protected or restrained as intended.

The unused child restraint system can become detached and strike vehicle occupants.

- ▶ Always comply with the manufacturer's installation instructions for the child restraint system and its correct use.
- ▶ Always fit child restraint systems correctly, even if they are transported unused in the vehicle.

- Always observe the vehicle-specific information.





DO NOT MODIFY THE CHILD RESTRAINT SYSTEM

⚠ WARNING

Risk of injury due to modifications to the child restraint system

The child restraint system can no longer function properly. This poses an increased risk of injury.

- ▶ Never modify a child restraint system.
- ▶ Only affix accessories which have been specially approved for this child restraint system by the child restraint system's manufacturer.

ONLY USE CHILD RESTRAINT SYSTEMS WHICH ARE IN PROPER WORKING CONDITION

⚠ WARNING

Risk of injury or death caused by the use of damaged child restraint systems

Child restraint systems or their retaining systems that have been subjected to stress in an accident may not be able to perform their intended protective function.

It may be the case that the child cannot be properly restrained.

- ▶ Always immediately replace child restraint systems that have been damaged or involved in an accident.
- ▶ Have the securing systems for the child restraint systems checked at a qualified specialist workshop before installing a child restraint system again.

AVOID DIRECT SUNLIGHT

⚠ WARNING

Risk of burns when the child seat is exposed to direct sunlight

If the child restraint system is exposed to direct sunlight or heat, parts could heat up.

Children could suffer burns from these parts, particularly on metallic parts of the child restraint system.

- ▶ Always make sure that the child restraint system is not exposed to direct sunlight.
- ▶ Protect the child restraint system with a blanket, for example.
- ▶ If the child restraint system has been exposed to direct sunlight, allow it to cool before securing a child into it.
- ▶ Never leave children unattended in the vehicle.

OBSERVE WHEN STOPPING OR PARKING

⚠ WARNING

Risk of fatal injury due to exposure to extreme heat or cold in the vehicle

If persons, particularly children, are subjected to prolonged exposure to intense heat or cold, there is a risk of severe injury or even death.

- ▶ Never leave persons, particularly children, unattended in the vehicle.



**⚠ WARNING**

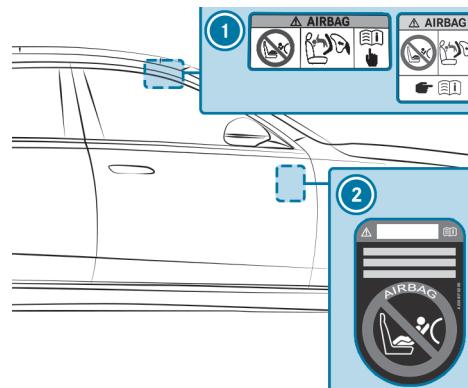
Risk of accident- and injury due to children left unattended in the vehicle

WHEN CHILDREN ARE LEFT UNATTENDED IN THE VEHICLE, THEY CAN BE EXPECTED IN PARTICULAR TO

- open doors, thereby endangering other persons or road users.
- get out and be struck by oncoming traffic.
- operate vehicle equipment and become trapped, for example.

IN ADDITION, THE CHILDREN COULD ALSO SET THE VEHICLE IN MOTION, FOR EXAMPLE BY:

- releasing the parking brake.
 - changing the drive range.
 - starting the vehicle.
- Never leave children unattended in the vehicle.
- When leaving the vehicle, always take the key with you and lock the vehicle.
- Keep the key out of reach of children.

Overview of warning stickers in the vehicle

- ① Front passenger airbag warning (on the front passenger sun visor) (→ page 157)
- ② Vehicles without automatic front passenger airbag deactivation warning (visible when the front passenger door is open) (→ page 159)





Notes on rear-facing and front-facing child restraint systems on the front passenger seat

WARNING

Risk of injury or death when using a rearward-facing child restraint system while the front passenger airbag is enabled

If you secure a child in a rearward-facing child restraint system on the front passenger seat and the PASSENGER AIR BAG OFF indicator lamp is off, the front passenger airbag can deploy in the event of an accident.

The child could be struck by the airbag.

- ▶ Always ensure that the front passenger airbag is disabled. The PASSENGER AIR BAG OFF indicator lamp must be lit.
- ▶ NEVER use a rearward-facing child restraint system on a seat with an ENABLED FRONT AIRBAG. This can result in the DEATH of or SERIOUS INJURY to the CHILD.

Observe the specific instructions for the rearward-facing and forward-facing child restraint systems (→ page 169).



Warning notice on the front passenger sun visor

IF IT IS ABSOLUTELY NECESSARY TO INSTALL A CHILD RESTRAINT SYSTEM ON THE FRONT PASSENGER SEAT, ALWAYS OBSERVE THE FOLLOWING INFORMATION:

- the notes on automatic front passenger airbag deactivation (→ page 136).
- When using a rearward-facing child restraint system on the front passenger seat, the front passenger airbag must always be disabled. This is only the case if the PASSENGER AIR BAG OFF indicator lamp is lit continuously (→ page 135).
- The front passenger airbag is enabled when the PASSENGER AIR BAG OFF indicator lamp is not lit. The front passenger airbag may be deployed during an accident. In that case, do not use rearward-facing child restraint systems.

Information on the automatic front passenger airbag shut-off

If the front passenger seat is occupied, ensure, both before and during the journey, that the status of the front passenger airbag is correct for the current situation.

**⚠ WARNING**

Risk of injury or death due to objects between the seat surface and the child restraint system

Objects between the seat surface and the child restraint system could affect the function of the automatic co-driver airbag shutoff.

- ▶ Do not place any objects between the seat surface and the child restraint system.
- ▶ Make sure that the entire base of the child restraint system is always resting on the seat surface of the co-driver seat.
- ▶ The backrest of the forward-facing child restraint system must, as far as possible, be resting on the seat backrest of the co-driver seat.
- ▶ It is essential to comply with the child restraint system manufacturer's installation instructions.

When fitting a child restraint system to the front passenger seat, observe the vehicle-specific information (→ page 157).

REARWARD-FACING CHILD RESTRAINT SYSTEM ON THE FRONT PASSENGER SEAT

If a rearward-facing child restraint system is fitted on the front passenger seat, the front passenger airbag must be deactivated. The PASSENGER AIR BAG OFF indicator lamp must light up continuously (→ page 135).

⚠ WARNING

Risk of injury or death when using a rearward-facing child restraint system while the front passenger airbag is enabled

If you secure a child in a rearward-facing child restraint system on the front passenger seat and the PASSENGER AIR BAG OFF indicator lamp is off, the front passenger airbag can deploy in the event of an accident.

The child could be struck by the airbag.

- ▶ Always ensure that the front passenger airbag is disabled. The PASSENGER AIR BAG OFF indicator lamp must be lit.
- ▶ NEVER use a rearward-facing child restraint system on a seat with an ENABLED FRONT AIRBAG. This can result in the DEATH of or SERIOUS INJURY to the CHILD.



The front passenger airbag is enabled depending on the child restraint system and the stature of the child. The PASSENGER AIR BAG OFF indicator lamp does not light up. The front passenger airbag may be deployed during an accident. If the front passenger airbag is in this status, no rearward-facing child restraint system may be fitted on the front passenger seat. Instead, fit the rearward-facing child restraint system on a suitable rear seat.

FORWARD-FACING CHILD RESTRAINT SYSTEM ON THE FRONT PASSENGER SEAT

If a forward-facing child restraint system is fitted on the front passenger seat, the front passenger airbag may be automatically enabled or disabled. The status of the front passenger airbag depends on the child restraint system and the stature of the child.





The PASSENGER AIR BAG OFF indicator lamp is either lit continuously, or it is not lit (→ page 135). Always observe the following information.

⚠ WARNING

Risk of injury or death caused by incorrect positioning of the child restraint system

IF YOU SECURE A CHILD IN A FORWARD-FACING CHILD RESTRAINT SYSTEM ON THE FRONT PASSENGER SEAT AND YOU POSITION THE FRONT PASSENGER SEAT TOO CLOSE TO THE COCKPIT, IN THE EVENT OF AN ACCIDENT, THE CHILD COULD:

- Come into contact with the vehicle interior if the PASSENGER AIR BAG OFF indicator lamp is lit, for example.
- Be struck by the airbag if the PASSENGER AIR BAG OFF indicator lamp is off.
- ▶ Always move the front passenger seat as far back as possible. In doing so, always make sure that the shoulder belt strap is correctly routed from the seat belt outlet of the vehicle to the shoulder belt guide on the child restraint system. The shoulder belt strap must be routed forwards and downwards from the seat belt outlet. If necessary, adjust the passenger seat accordingly.
- ▶ Always comply with the child restraint system manufacturer's installation instructions.

Notes on vehicles without automatic front passenger airbag deactivation

(→ page 156) Vehicles without automatic front passenger airbag deactivation have a special sticker which is visible when the front passenger door is opened.

MAKE SURE YOU OBSERVE THE FOLLOWING INFORMATION:

- Never fit a rearward-facing child restraint system to the front passenger seat.
- Always fit a rearward-facing child restraint system to a suitable rear seat
- Notes on rear-facing and front-facing child restraint systems on the front passenger seat (→ page 157)





< Suitable child restraint systems for the transport of children

Information on the advantage of a rearward-facing child restraint system

Transport a baby in a suitable rearward-facing child restraint system only. It is also preferable to transport a small child in a suitable rearward-facing child restraint system. In this case, the child sits in the opposite direction to the direction of travel and faces backwards.

Babies and small children have comparatively weak neck muscles in relation to the size and weight of their head. The risk of injury to the cervical spine during an accident can be reduced in a rearward-facing child restraint system.

Approval categories for child restraint systems

ONLY CHILD RESTRAINT SYSTEMS THAT MEET THE FOLLOWING UNECE STANDARDS ARE APPROVED FOR USE IN THE VEHICLE:

- UN-R44
- UN-R129

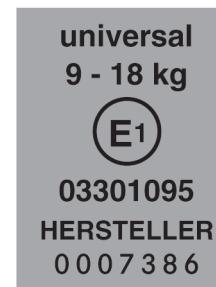
IDENTIFICATION OF THE CHILD RESTRAINT SYSTEM

THE FOLLOWING INFORMATION, FOR EXAMPLE, IS AVAILABLE ON THE APPROVAL LABEL ON THE CHILD RESTRAINT SYSTEM:

- Approval category
- Child weight group

- Authorisation number
- Child restraint system size class

Approval categories under UN-R44



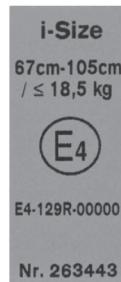
Example of an approval label

- **Universal:** child restraint systems in the "Universal" category are approved for installation in vehicles. Following overviews of the suitability of seats for securing child restraint systems, they can be used on seats labelled U, UF or IUU. The identification IUU refers to ISOFIX/LATCH child restraint systems in the "Universal" category. These child restraint systems must be additionally secured using Top Tether or support points.
- **Semi-Universal:** child restraint systems in the "Semi-Universal" category may only be used if the vehicle and vehicle seat are listed in the child restraint system manufacturer's vehicle model list.



- **Vehicle-specific:** child restraint systems in the "Vehicle-specific" category may only be used if the vehicle and vehicle seat are listed in the child restraint system manufacturer's vehicle model list.

Approval categories under UN-R129



Example of an approval label

- **i-Size** child restraint systems and booster seats with seat backrest: suitable for attachment to i-Size mounting brackets. They can be used on seats marked i-U.
Child restraint systems in this category can also be attached to ISOFIX bars if approved by the child restraint system manufacturer. i-Size booster seats with backrest can be used on seats marked U if the seat is approved for category B2/B3.
- Belted child restraint systems and belted booster seats without seat backrest in the **Universal** category: suitable for attachment to seats marked U.
- **Vehicle-specific** child restraint systems (ISOFIX or belted attachment as well as child booster seats with and without seat backrest): suitable for attachment to seats marked i-U or U if approved by the child restraint system manufacturer.

PLEASE OBSERVE SUITABILITY OF THE VEHICLE SEATS

- Suitability of seats for attaching ISOFIX/LATCH child restraint systems (→ page 165)
- Suitability of seats for securing i-Size child restraint systems (→ page 166).
- Suitability of seats for fastening belt-secured child restraint systems (→ page 166)

Overview of recommended child restraint systems

i Further information on the correct child restraint system can be obtained at a qualified specialist workshop. Mercedes-Benz recommends that you use a Mercedes-Benz Service Centre for this purpose.

ATTACHMENT WITH ISOFIX

WEIGHT GROUP 0+ (UP TO 13 KG AND UP TO APPROXIMATELY 15 MONTHS)

Type ¹	BABY SAFE plus (including base station)
Size category	E
Approval	E1 04 301 146
Order number ²	B6 6 86 8224
1 Manufacturer: Britax Römer	2 with colour code 9H95



WEIGHT CATEGORY I (9 TO 18 KG AND FROM APPROX. 9 MONTHS TO 4 YEARS)

Type ¹	DUO plus
Size category	B1
Approval	E1 04 301 133
Order number ²	A 000 970 43 02
1 Manufacturer: Britax Römer	2 with colour code 9H95

ATTACHMENT WITH I-SIZE (R129 CHILD RESTRAINT SYSTEMS)

WEIGHT UP TO 13 KG, SIZE 40 TO 83 CM AND AGE FROM BIRTH TO APPROX. 15 MONTHS

Type ¹	Baby Safe 3 i-Size
Size category	R2
Approval	E1*129R03/04*0060*02
Order number	A 000 970 68 02
Order number FlexBase iSense	A 000 970 73 02

1 Manufacturer: Britax Römer

WEIGHT UP TO 18 KG, SIZE 61 TO 105 CM AND AGE FROM APPROX. 3 MONTHS TO 4 YEARS

Type ¹	Dualfix 3 i-Size
Size category	F2X/R2
Approval	E1*129R03/04*0060*02

Type ¹	Dualfix 3 i-Size
-------------------	------------------

Order number A 000 970 93 02

Order number A 000 970 73 02

FlexBase iSense

1 Manufacturer: Britax Römer

WEIGHT 15 TO 36 KG, SIZE 100 TO 150 CM AND AGE FROM APPROX. 3.5 TO 12 YEARS (KIDFIX M I-SIZE)

Type ¹	KIDFIX M i-Size
Size category	B2
Approval	E1*129R03/04*0061*02
Order number	A 000 970 89 02

1 Manufacturer: Britax Römer

WEIGHT 15 TO 36 KG, SIZE 100 TO 150 CM AND AGE FROM APPROX. 3.5 TO 12 YEARS (AMG KIDFIX M I-SIZE)

Type ¹	AMG KIDFIX M i-Size
Size category	B2
Approval	E1*129R03/04*0061*02
Order number	A 000 970 91 02

1 Manufacturer: Britax Römer





ATTACHMENT WITH THE SEAT BELT OF THE VEHICLE SEAT

**WEIGHT CATEGORY 0 (UP TO 10 KG AND APPROX. 6 MONTHS) AND
WEIGHT CATEGORY 0+ (UP TO 13 KG AND APPROX. 15 MONTHS)**

Type ¹	BABY SAFE plus II
Approval	E1 04 301 146
Order number ²	A 000 970 38 02

1 Manufacturer: Britax Römer

2 with colour code 9H95

R129 CHILD RESTRAINT SYSTEMS (WEIGHT UP TO 13 KG, SIZE 40 TO 83 CM AND AGE FROM BIRTH TO APPROX. 15 MONTHS)

Type ¹	Baby Safe 3 i-Size
Size category	R2
Approval	E1*129R03/04*0060*02
Order number	A 000 970 68 02

1 Manufacturer: Britax Römer

WEIGHT CATEGORY I (9 TO 18 KG AND FROM APPROX. 9 MONTHS TO 4 YEARS)

Type ¹	DUO plus
Approval	E1 04 301 133
Order number ²	A 000 970 43 02

1 Manufacturer: Britax Römer

2 with colour code 9H95

WEIGHT CATEGORY II/III (15 TO 36 KG AND FROM APPROX. 3 TO 12 YEARS) (KIDFIX XP)

Type ¹	KIDFIX XP
Approval	E1 04 301 304
Order number ²	A 000 970 49 02

1 Manufacturer: Britax Römer

2 with colour code 9H95

WEIGHT CATEGORY II/III (15 TO 36 KG AND FROM APPROX. 3 TO 12 YEARS) (AMG KIDFIX XP)

Type ¹	AMG KIDFIX XP
Approval	E1 04 301 304
Order number ²	A 000 970 33 02

1 Manufacturer: Britax Römer

2 with colour code 9H95

R129 CHILD RESTRAINT SYSTEMS (WEIGHT 15 TO 36 KG, SIZE 100 TO 150 CM AND AGE FROM APPROX. 3.5 TO 12 YEARS) (KIDFIX M I-SIZE)

Type ¹	KIDFIX M i-Size
Size category	B2
Approval	E1*129R03/04*0061*02

1 Manufacturer: Britax Römer



**R129 CHILD RESTRAINT SYSTEMS (WEIGHT 15 TO 36 KG, SIZE 100 TO 150 CM AND AGE FROM APPROX. 3.5 TO 12 YEARS) (AMG KIDFIX M I-SIZE)**

Type ¹	AMG KIDFIX M i-Size
Size category	B2
Approval	E1*129R03/04*0061*02
Order number	A 000 970 91 02

1 Manufacturer: Britax Römer





< Suitable seats for attaching child restraint systems

Overview of suitability of the seats for attaching ISOFIX/LATCH child restraint systems

ISOFIX IS A STANDARDISED SECURING SYSTEM FOR SPECIALLY DESIGNED CHILD RESTRAINT SYSTEMS.

- The symbol indicates seats suitable for attaching an ISOFIX child restraint system in accordance with UN R44 (→ page 160).
- ISOFIX child restraint systems can also be installed on seats with i-Size markings (→ page 166).

Attach only ISOFIX child restraint systems that are approved in accordance with UN R44 as per the following ISOFIX tables.

CARRY COT

Size class - Equipment	Left/right rear seat
F – ISO/L1	X
G – ISO/L2	X

X Not suitable for an ISOFIX child restraint system in this weight group and/or size class.

WEIGHT GROUP 0 (UP TO 10 KG AND UP TO APPROXIMATELY 6 MONTHS)

Size class - Equipment	Left/right rear seat
E – ISO/R1	IL

IL Suitable for ISOFIX child restraint systems according to the table in "Overview of the recommended child restraint systems", or if the vehicle and the seat are listed on the child restraint system manufacturer's vehicle model list.

WEIGHT GROUP 0+ (UP TO 13 KG AND UP TO APPROXIMATELY 15 MONTHS)

Size class - Equipment	Left/right rear seat
E – ISO/R1	IL
D – ISO/R2, ISO/R2X	IL
C – ISO/R3	IL (1)

IL Suitable for ISOFIX child restraint systems according to the table in "Overview of the recommended child restraint systems", or if the vehicle and the seat are listed on the child restraint system manufacturer's vehicle model list.

(1) When using a child restraint system of size class (ISO/R3), move the front seat into the highest position. Make sure that the seat backrest of the front seat does not rest against the child restraint system.



WEIGHT GROUP 1 (9–18 KG AND APPROXIMATELY 9 MONTHS TO 4 YEARS)

Size class - Equipment	Left/right rear seat
D – ISO/R2, ISO/R2X	IL
C – ISO/R3	IL (1)
B – ISO/F2	IUF
B1 – ISO/F2X	IUF
A – ISO/F3	IUF
IL Suitable for ISOFIX child restraint systems according to the table in "Overview of the recommended child restraint systems", or if the vehicle and the seat are listed on the child restraint system manufacturer's vehicle model list. IUF Suitable for forward-facing ISOFIX child restraint systems of the "Universal" category in this weight group. (1) When using a child restraint system of size class (ISO/R3), move the front seat into the highest position. Make sure that the seat backrest of the front seat does not rest against the child restraint system.	

Overview of suitability of the seats for attaching i-Size child restraint systems

I-SIZE IS A STANDARDISED SECURING SYSTEM FOR SPECIALLY DESIGNED CHILD RESTRAINT SYSTEMS.



i-Size child restraint systems can be attached to a seat with the i-Size marking (→ page 160).

Child restraint systems that are approved in accordance with the following i-Size table may be attached.

LEFT AND RIGHT REAR SEAT

i-Size child restraint systems (ISO/R1, ISO/R2, ISO/R2X, ISO/R3, ISO/F2, ISO/F2X, ISO/F3, ISO/B2, ISO/B3) i-U

i-U Suitable for forward-facing and rearward-facing i-Size child restraint systems in the "Universal" category.

FRONT PASSENGER SEAT

i-Size child restraint systems (ISO/R1, ISO/R2, ISO/R2X, ISO/R3, ISO/F2, ISO/F2X, ISO/F3, ISO/B2, ISO/B3) X

X Not suitable for an i-Size child restraint system in the "Universal" category.

Overview on the suitability of seats for fastening belt-secured child restraint systems

Suitability of seats for fastening belt-secured child restraint systems

REAR SEATS

Weight category 0: to 10 kg

Left/right rear seat	U, L
----------------------	------

Rear centre seat ¹	U, L
-------------------------------	------

Weight category 0+: to 13 kg

Left/right rear seat	U, L
----------------------	------

Rear centre seat ¹	U, L
-------------------------------	------

Weight category I: 9 to 18 kg

Left/right rear seat	U, L
----------------------	------

Rear centre seat ¹	U, L
-------------------------------	------


Weight category II: 15 to 25 kg

Left/right rear seat U, L

Rear centre seat¹ U, L

Weight category III: 22 to 36 kg

Left/right rear seat U, L

Rear centre seat¹ U, L

¹ Child restraint systems with a support leg are not suitable for this seat.

U Suitable for child restraint systems of the "Universal" category in this weight category.

L Suitable for semi-universal child restraint systems according to the table in "Recommended child restraint systems", or if the vehicle and the seat are listed in the child restraint system manufacturer's vehicle model list.

NOTES ON CHILD RESTRAINT SYSTEMS ON THE FRONT PASSENGER SEAT

- If it is absolutely necessary for you to fit a child restraint system to the front passenger seat, be sure to observe the information on child restraint systems on the front passenger seat (→ page 157).
- Observe the specific instructions for the rearward-facing and forward-facing child restraint systems. If the front passenger seat is occupied, ensure, both before and during the journey, that the status of the front passenger airbag is correct for the current situation (→ page 135).

FRONT PASSENGER SEAT
Weight category 0: to 10 kg

Front passenger airbag enabled¹ X

Front passenger airbag disabled^{1, 2}

U, L

Weight category 0+: to 13 kg

Front passenger airbag enabled¹ X

Front passenger airbag disabled^{1, 2} U, L

Weight category I: 9 to 18 kg

Front passenger airbag enabled¹ UF, L

Front passenger airbag disabled^{1, 2} U, L

Weight category II: 15 to 25 kg

Front passenger airbag enabled¹ UF, L

Front passenger airbag disabled^{1, 2} U, L

Weight category III: 22 to 36 kg

Front passenger airbag enabled¹ UF, L

Front passenger airbag disabled^{1, 2} U, L

¹ Adjust the seat cushion inclination so that the front edge of the seat cushion is in the highest position and the rear edge of the seat cushion is in the lowest position.

² The vehicle is equipped with automatic front passenger airbag deactivation. The PASSENGER AIRBAG OFF indicator lamp must be on.

X Not suitable for children in this weight category.

U Suitable for child restraint systems of the "Universal" category in this weight category.





L Suitable for semi-universal child restraint systems according to the table in "Recommended child restraint systems", or if the vehicle and the seat are listed in the child restraint system manufacturer's vehicle model list.

UF Suitable for forward-facing child restraint systems of the "Universal" category in this weight category.





< Securing the child restraint system

Adjusting the seat correctly

WHEN FITTING A CHILD RESTRAINT SYSTEM ON THE LEFT OR RIGHT REAR SEAT, ALWAYS OBSERVE THE FOLLOWING:

- ▶ Make sure that the child's feet do not touch the front seat. If necessary, move the front seat slightly forwards.

If the head restraint of the child restraint system cannot be fully extended when it is installed in the vehicle, this will result in restrictions on the maximum size setting for certain child restraint systems. Observe the child restraint system manufacturer's installation instructions.

-  Contact with the roof when the head restraint is fully extended and locked in place will not result in any restrictions on use.

ALSO OBSERVE THE FOLLOWING WHEN FITTING AN ISOFIX OR I-SIZE CHILD RESTRAINT SYSTEM:

- ▶ **When using a rearward-facing child restraint system on a rear seat:** adjust the front seat so that it does not touch the child restraint system.
- ▶ **When using a forward-facing child restraint system with integrated child seat belt:** adjust the head restraint of the respective seat so that it does not push the child restraint system forwards. If necessary, the respective head restraint can be removed. In addition, the seat backrest of the child restraint system must lie as flat as possible against the backrest of the vehicle seat. After the child restraint system has been removed, replace the vehicle head restraint immediately and adjust it correctly.

removed, replace the vehicle head restraint immediately and adjust it correctly.

- ▶ The child restraint system must not be put under strain between the roof and the seat cushion and/or be fitted facing the wrong direction. Where possible, adjust the seat cushion inclination accordingly.
- ▶ Adjust the vehicle head restraints so that the child restraint system is not put under strain by the head restraint.

WHEN FITTING A BELT-SECURED CHILD RESTRAINT SYSTEM, ALSO OBSERVE THE FOLLOWING:

- ▶ **When using a rearward-facing child restraint system on a rear seat:** adjust the front seat so that it does not touch the child restraint system.
- ▶ **When using a forward-facing child restraint system with integrated child seat belt:** adjust the head restraint of the respective seat so that it does not push the child restraint system forwards. If necessary, the respective head restraint can be removed. In addition, the seat backrest of the child restraint system must lie as flat as possible against the backrest of the vehicle seat. After the child restraint system has been removed, replace the vehicle head restraint immediately and adjust it correctly.
- ▶ The backrest of the forward-facing child restraint system must, as far as possible, be resting on the seat backrest of the rear seat.



- ▶ The child restraint system must not be put under strain between the roof and the seat cushion and/or be fitted facing the wrong direction. Where possible, adjust the seat cushion inclination accordingly.
- ▶ Adjust the vehicle head restraints so that the child restraint system is not put under strain by the head restraint.
- ▶ Make sure that the child's feet do not touch the front seat. If necessary, move the front seat slightly forwards.

 **DEPENDING ON THE VEHICLE EQUIPMENT, ALWAYS OBSERVE THE FOLLOWING WHEN FITTING A BELT-SECURED CHILD RESTRAINT SYSTEM ON THE FRONT PASSENGER SEAT:**

- ▶ Observe the notes on rearward-facing and forward-facing child restraint systems on the front passenger seat (→ page 157).
- ▶ **When using a forward-facing child restraint system integrated child seat belt:** remove the head restraint from the front passenger seat, if possible. After the child restraint system has been removed, immediately replace the head restraint and adjust it correctly.
- ▶ The backrest of the forward-facing child restraint system must, as far as possible, be resting against the seat backrest of the front passenger seat.
- ▶ The child restraint system must not be put under strain between the roof and the seat cushion and/or be fitted facing the wrong direction.
- ▶ Adjust the vehicle head restraints so that the child restraint system is not put under strain by the head restraint.
- ▶ Never place objects (e.g. cushions) under or behind the child restraint system.
- ▶ Set the front passenger seat as far back as possible and move the seat into the highest position if possible. Always make sure that the shoulder

belt strap is correctly routed from the seat belt outlet of the vehicle to the shoulder belt guide on the child restraint system. The shoulder belt strap must be routed forwards from the seat belt outlet and, where possible, downwards to the child restraint system.

- ▶ Fully retract the seat cushion length adjustment.
- ▶ Adjust the seat cushion inclination so that the front edge of the seat cushion is in the highest position and the rear edge of the seat cushion is in the lowest position.
- ▶ Set the seat backrest to the most vertical position possible.

Fitting an ISOFIX/LATCH or i-Size child restraint system

 **WARNING**

Risk of accident if the rear bench seat, rear seat and seat backrest are not engaged

The rear bench seat, rear seat and seat backrest may fold forwards, even while the vehicle is in motion.

- As a result, the vehicle occupant will be pressed into the seat belt with increased force. The seat belt will not be able to protect as intended and could cause additional injury.
- Objects or loads in the boot or load compartment cannot be restrained by the seat backrest.
- ▶ Make sure that the rear bench seat, the rear seat and the seat backrest are engaged before every trip.



If the rear seat backrest is not engaged and locked in place, the red lock verification indicator will be visible.

⚠ WARNING

Risk of injury or death if the permissible gross mass of the child and child restraint system together is exceeded.

Too much load may be placed on the ISOFIX or i-Size child restraint systems and the child may not be restrained correctly in the event of an accident, for example.

- ▶ If the child is secured in an ISOFIX or i-Size child restraint system with integrated seat belts, the total mass of the child and child restraint system must not exceed 33 kg.

ALWAYS OBSERVE THE INFORMATION ON THE MASS OF THE CHILD RESTRAINT SYSTEM:

- in the installation instructions and Owner's Manual provided by the manufacturer of the child restraint system used
- on a label on the child restraint system, if present

Regularly check that the permissible gross mass of the child and child restraint system is still being adhered to.

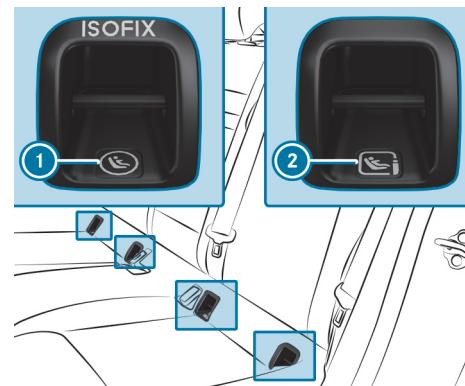
WHEN FITTING A CHILD RESTRAINT SYSTEM, ALSO OBSERVE THE FOLLOWING:

- Always observe the area of use and the suitability of the seats for attaching a child restraint system.

ISOFIX mounting brackets (→ page 165)

or

i-Size mounting brackets (→ page 166)



① ISOFIX mounting bracket

② i-Size mounting brackets

- ▶ Before every journey always ensure that the ISOFIX/LATCH child restraint system or the i-Size child restraint system is engaged in both mounting brackets on the vehicle.

! NOTE

Damage to the seat belt for the centre seat during installation of the child restraint system

- ▶ Make sure that the seat belt is not trapped.
- ▶ Attach the ISOFIX/LATCH or i-Size child restraint system to both mounting brackets in the vehicle.



Fastening a Top Tether

⚠ WARNING

Risk of injury or death if the rear seat backrests are not locked after Top Tether belts are fitted

The rear seat backrests may fold forwards when you are driving.

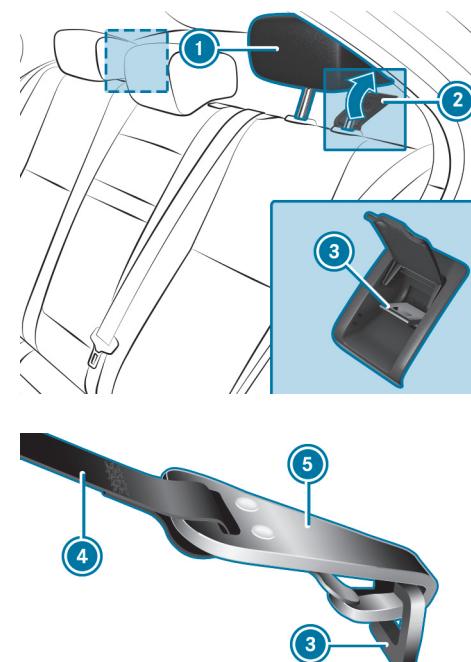
As a result, child restraint systems will no longer be able to perform their intended protective function. This may also cause additional injuries.

- ▶ Always lock rear seat backrests after fitting Top Tether belts.
- ▶ Observe the lock verification indicator.

If the rear seat backrest is not engaged and locked in place, the red lock verification indicator will be visible.

If the child restraint system is equipped with a Top Tether belt:

The risk of injury may be reduced by Top Tether. The Top Tether belt enables an additional connection between the child restraint system attached with ISOFIX or i-Size and the vehicle.



- ▶ Fold up cover ② of Top Tether anchorage ③.

Vehicles with adjustable head restraints:

- ▶ If necessary, slide head restraint ① upwards (→ page 222).
- ▶ Guide Top Tether belt ④ under head restraint ① between the two head restraint bars.

Vehicles without adjustable head restraints:

- ▶ Top Tether belt with one seat belt strap: guide Top Tether belt ④ over the centre of head restraint ①.





or

- ▶ Top Tether belt with two seat belt straps: guide one Top Tether belt ④ past head restraint ① on the right and left sides respectively.

All vehicles:

- ▶ Fit the ISOFIX/LATCH or i-Size child restraint system with Top Tether. Comply with the child restraint system manufacturer's installation instructions.
- ▶ Hook Top Tether hook ⑤ of Top Tether belt ④ into Top Tether anchorage ③ without twisting.
- ▶ Tension Top Tether belt ④. Comply with the child restraint system manufacturer's installation instructions.
- ▶ Fold down cover ② of Top Tether anchorage ③.

Vehicles with adjustable head restraints:

- ▶ If necessary, slide head restraint ① downwards (→ page 222). Make sure that you do not interfere with the correct routing of Top Tether belt ④.

Fastening the child restraint system with the seat belt

⚠ WARNING

Risk of accident if the rear bench seat, rear seat and seat backrest are not engaged

The rear bench seat, rear seat and seat backrest may fold forwards, even while the vehicle is in motion.

- As a result, the vehicle occupant will be pressed into the seat belt with increased force. The seat belt will not be able to protect as intended and could cause additional injury.
- Objects or loads in the boot or load compartment cannot be restrained by the seat backrest.
- ▶ Make sure that the rear bench seat, the rear seat and the seat backrest are engaged before every trip.

If the rear seat backrest is not engaged and locked in place, the red lock verification indicator will be visible.

- ▶ For a child restraint system of the category "Universal" or "Semi-Universal" ensure that this is approved for the vehicle seat.
- ▶ Fit the child restraint system.
The entire base of the child restraint system must always rest on the sitting surface of the seat.





- ▶ Always make sure that the shoulder belt strap is correctly routed from the seat belt outlet of the vehicle to the shoulder belt guide on the child restraint system.

The shoulder belt strap must be routed forwards from the seat belt outlet and, where possible, downwards to the child restraint system.

- ▶ **When fitting on the rear seat:** also secure Top Tether, if present (→ page 172).
- ▶ **When fitting on the front passenger seat:** if necessary, adjust the seat belt outlet and the front passenger seat appropriately.





< Child safety locks

Activating/deactivating the child safety lock for the rear doors

⚠ WARNING

Risk of accident- and injury due to children left unattended in the vehicle

WHEN CHILDREN ARE LEFT UNATTENDED IN THE VEHICLE, THEY CAN BE EXPECTED IN PARTICULAR TO

- open doors, thereby endangering other persons or road users.
- get out and be struck by oncoming traffic.
- operate vehicle equipment and become trapped, for example.

IN ADDITION, THE CHILDREN COULD ALSO SET THE VEHICLE IN MOTION, FOR EXAMPLE BY:

- releasing the parking brake.
 - changing the drive range.
 - starting the vehicle.
- Never leave children unattended in the vehicle.
- When leaving the vehicle, always take the key with you and lock the vehicle.

- Keep the key out of reach of children.

⚠ WARNING

Risk of fatal injury due to exposure to extreme heat or cold in the vehicle

If persons, particularly children, are subjected to prolonged exposure to intense heat or cold, there is a risk of severe injury or even death.

- Never leave persons, particularly children, unattended in the vehicle.



**⚠ WARNING**

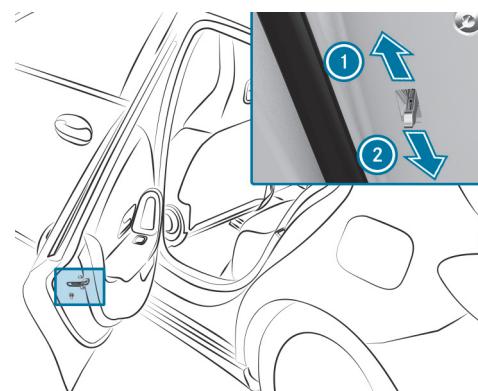
Risk of accident and injury due to children left unattended in the vehicle

IF CHILDREN ARE TRAVELLING IN THE VEHICLE, THEY COULD, IN PARTICULAR:

- open doors, thereby endangering other persons or road users.
- get out and be struck by oncoming traffic.
- operate vehicle equipment and become trapped, for example.
- ▶ Always activate the installed child safety locks if children are travelling in the vehicle.
- ▶ Never leave children unattended in the vehicle.
- ▶ When leaving the vehicle, always take the key with you and lock the vehicle.

- ▶ Press the lever in the direction indicated by the arrow ① (activate) or ② (deactivate).
- ▶ Check functionality of the child safety lock.

There are child safety locks for the rear doors and the rear side windows. The child safety locks on the rear doors secure each door separately. The doors can no longer be opened from the inside.





Activating/deactivating the child safety lock for the rear side windows

⚠ WARNING

Risk of accident- and injury due to children left unattended in the vehicle

WHEN CHILDREN ARE LEFT UNATTENDED IN THE VEHICLE, THEY CAN BE EXPECTED IN PARTICULAR TO

- open doors, thereby endangering other persons or road users.
- get out and be struck by oncoming traffic.
- operate vehicle equipment and become trapped, for example.

IN ADDITION, THE CHILDREN COULD ALSO SET THE VEHICLE IN MOTION, FOR EXAMPLE BY:

- releasing the parking brake.
 - changing the drive range.
 - starting the vehicle.
- ▶ Never leave children unattended in the vehicle.
- ▶ When leaving the vehicle, always take the key with you and lock the vehicle.
- ▶ Keep the key out of reach of children.

⚠ WARNING

Risk of fatal injury due to exposure to extreme heat or cold in the vehicle

If persons, particularly children, are subjected to prolonged exposure to intense heat or cold, there is a risk of severe injury or even death.

- ▶ Never leave persons, particularly children, unattended in the vehicle.

⚠ WARNING

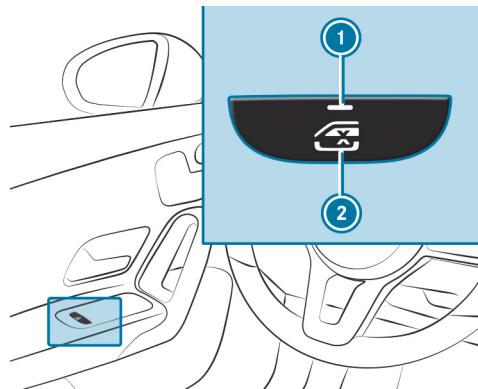
Risk of accident and injury due to children left unattended in the vehicle

IF CHILDREN ARE TRAVELLING IN THE VEHICLE, THEY COULD, IN PARTICULAR:

- open doors, thereby endangering other persons or road users.
 - get out and be struck by oncoming traffic.
 - operate vehicle equipment and become trapped, for example.
- ▶ Always activate the installed child safety locks if children are travelling in the vehicle.
- ▶ Never leave children unattended in the vehicle.
- ▶ When leaving the vehicle, always take the key with you and lock the vehicle.

There are child safety locks for the rear doors and the rear side windows.





► To activate/deactivate: press the button ②.

THE REAR SIDE WINDOW CAN BE OPENED OR CLOSED AS FOLLOWS:

- Indicator lamp ① is lit: via the switch on the driver's door
- Indicator lamp ① is off: via the switch on the corresponding rear door or driver's door





< Occupant presence reminder

Function of the occupant presence reminder

The occupant presence reminder can help to remind you about a child who may have been forgotten in the rear compartment of the vehicle. It activates and deactivates automatically when the rear door is open for an extended period of time and a child which the system presumes to be present could enter or exit the vehicle.

When the vehicle is switched off, the **Do not leave persons or animals in the vehicle** message appears on the driver display if the system was already automatically activated.

You can permanently deactivate the function in the multimedia system (→ page 179). When the system is deactivated, the  indicator lamp in the driver display lights up.

Activating or deactivating the occupant presence reminder in the multimedia system

Multimedia system:

▶▶  ►► Settings ►► Vehicle ►► Occupant protection

- ▶ Activate or deactivate the function.

 The function is permanently switched on or off.





< Opening and closing

This interactive PDF works like a website – tap or click a button to jump straight to where you want to go.

You can return here at any time via the navigation bar at the top left.

Key >

Doors >

Boot >

Side windows >

Sliding sunroof >

Anti-theft protection >



Key

Overview of key functions

⚠ WARNING

Accident- and risk of injury with unsupervised children in the vehicle

IF YOU LEAVE CHILDREN UNATTENDED IN THE VEHICLE, THEY CAN IN PARTICULAR

- Open doors and thereby endanger other persons or road users.
- get out of the car and are hit by traffic.
- Operate vehicle equipment and become trapped, for example.

IN ADDITION, THE CHILDREN COULD ALSO SET THE VEHICLE IN MOTION, FOR EXAMPLE BY:

- releasing the parking brake.
 - change the gearbox setting.
 - start the vehicle.
- Never leave children unattended in the vehicle.
- When leaving the vehicle, always take the SmartKey with you and lock the vehicle.
- Keep the key out of reach of children.

! NOTE

Damage to the key caused by magnetic fields

- Keep the key away from strong magnetic fields.



Vehicle key

- ① Locking
- ② Indicator lamp
- ③ Unlocking
- ④ Opening the boot lid

- ⓘ If indicator lamp ② does not light up after pressing the or button, the battery is weak or possibly discharged. Replace the battery as soon as possible.

Replace the key battery (→ page 184).



THE KEY LOCKS AND UNLOCKS THE FOLLOWING COMPONENTS:

- Doors
- Fuel filler flap
- Socket flap (plug-in hybrid)
- Boot lid

If the vehicle is not opened within approximately 40 seconds after unlocking, it locks again. Anti-theft protection is primed again.

Do not keep the key together with electronic devices or metal objects. This can affect the key's functionality.

Activating/deactivating the acoustic locking verification signal

Multimedia system:



- ▶ Switch the **Acoustic lock** on or off.

Changing the unlocking settings

POSSIBLE UNLOCKING FUNCTIONS OF THE KEY:

- Central unlocking
- Unlocking the driver's door and fuel filler flap
- **Plug-in hybrid:** unlocking the driver's door and fuel filler flap/socket flap

- ▶ **To switch between settings:** press the buttons  and  simultaneously for approximately six seconds until the indicator lamp flashes twice.

OPTIONS IF THE UNLOCKING FUNCTION FOR THE DRIVER'S DOOR AND FUEL FILLER FLAP HAS BEEN SELECTED:

- **To unlock the vehicle centrally:** press the button  twice.
- **Vehicles with KEYLESS-GO:** if you touch the inner surface of the door handle on the driver's door, only the driver's door and the fuel filler flap are unlocked.

OPTIONS IF THE UNLOCKING FUNCTION FOR THE DRIVER'S DOOR AND FUEL FILLER FLAP/SOCKET FLAP HAS BEEN SELECTED (PLUG-IN HYBRID):

- **To unlock the vehicle centrally:** press the button  twice.
- **Vehicles with KEYLESS-GO:** if you touch the inner surface of the door handle on the driver's door, only the driver's door and the fuel filler flap/socket flap are unlocked.

Deactivating the function of the key

Vehicles with KEYLESS-GO: if you deactivate the function of the key, the KEYLESS-GO functions are also deactivated. Access or drive authorisation via KEYLESS-GO is then no longer possible with that key. Activate the function of the key so that all functions using the key are available once again.

You can also deactivate the key's function to reduce the key's energy consumption if you do not use the vehicle or a key for an extended period of time.

- ▶ Press and hold the key button .





- ▶ With the button pressed, immediately press the key button twice in quick succession.

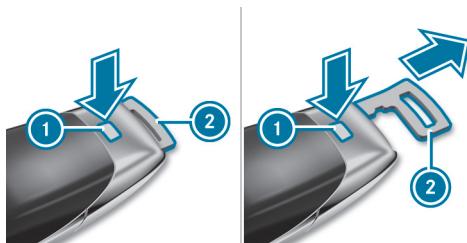
The indicator lamp of the key lights up once briefly, and then again for longer.

(i) YOU HAVE THE FOLLOWING OPTIONS TO REACTIVATE THE KEY:

- Press any button on the key.
- Start the vehicle with the key in the centre console storage compartment (→ page 290).

Removing/inserting the emergency key

REMOVING THE EMERGENCY KEY

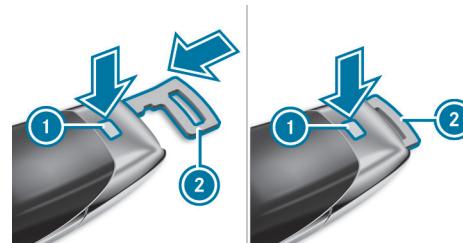


- ▶ Press the release knob .
- The emergency key is pushed out slightly.
- ▶ Pull out the emergency key until it engages in the intermediate position.

(i) Depending on the vehicle's equipment, the intermediate position may not be available.

- ▶ Press the release knob again and fully remove the emergency key .

INSERTING THE EMERGENCY KEY



- ▶ Press the release knob .
- ▶ Insert the emergency key to the intermediate position, or fully until it engages.

(i) You can use the emergency key to attach the key to a key ring.

Depending on the respective configuration, it is possible to engage the emergency key in the intermediate position.





Replacing the key battery

DANGER

Risk of fatal injury due to swallowing batteries

Batteries contain toxic and corrosive substances. If batteries are swallowed or otherwise enter the body, severe internal burns can occur within two hours.

There is a risk of fatal injury!

- ▶ Keep the batteries out of the reach of children.
- ▶ If the lid and/or the battery compartment do not close securely, stop using the key and keep it away from children.
- ▶ If batteries are swallowed or otherwise enter the body, seek immediate medical attention.

ENVIRONMENTAL NOTE

Environmental damage due to improper disposal of batteries

Batteries contain pollutants. It is illegal to dispose of them with the household rubbish.

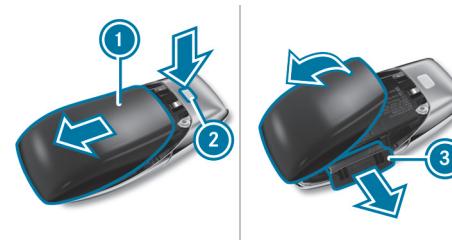
- ▶ Dispose of batteries in an environmentally responsible manner. Take discharged batteries to a qualified specialist workshop or to a collection point for used batteries.

Requirements:

- You need a CR 2032 lithium cell battery (3 V).

Mercedes-Benz recommends that you have the battery replaced at a qualified specialist workshop.

- ▶ Remove the emergency key (→ page 183).



- ▶ Press the release knob ② down fully and slide the cover ① in the direction of the arrow.
- ▶ Fold out the cover ① in the direction of the arrow and remove.
- ▶ Remove the battery compartment ③ and take out the discharged battery.
- ▶ Insert the new battery into the battery compartment ③. Observe the positive terminal marking in the battery compartment and on the battery.
- ▶ Push in the battery compartment ③.
- ▶ Re-attach the cover ① and push in until it engages.



Troubleshooting problems with the key

YOU CAN NO LONGER LOCK OR UNLOCK THE VEHICLE

POSSIBLE CAUSES:

- The key battery is at low capacity or is flat.
- ▶ Check the battery via the indicator lamp (→ page 181).
- ▶ Replace the key battery as necessary (→ page 184).
- ▶ Use the replacement key.
- ▶ Use the emergency key to lock or unlock (→ page 189).
- ▶ Have the key checked at a qualified specialist workshop.

THERE IS INTERFERENCE FROM A POWERFUL RADIO SIGNAL SOURCE.

POSSIBLE CAUSES IF THE FUNCTION OF THE KEY IS IMPAIRED:

- high-voltage power lines
- mobile phones
- electronic devices (notebooks, tablets)
- shielding due to metallic objects or induction loops for electrical gate systems or automatic barriers
- ▶ Ensure that there is sufficient distance between the key and the potential source of interference.

YOU HAVE LOST A KEY

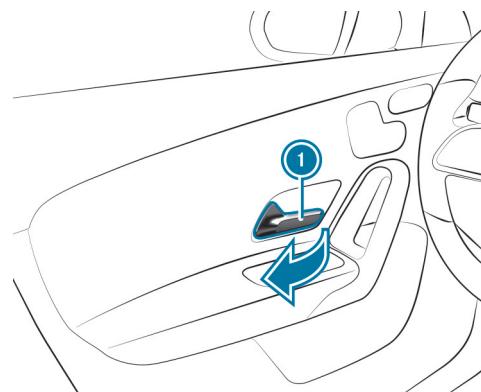
- ▶ Have the key deactivated at a qualified specialist workshop.
- ▶ If necessary, have the mechanical lock replaced as well.





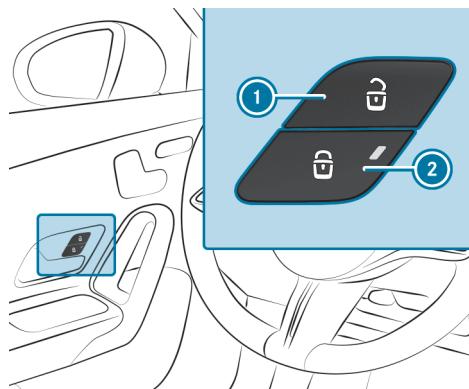
< Doors

Unlocking/opening the doors from the inside



- ▶ Pull the door ① handle.

Centrally locking and unlocking the vehicle from the inside



- ▶ **To unlock:** press the button ①.
- ▶ **To lock:** press the button ②.
The red indicator lamp on the button ② lights up when the vehicle is locked.

This does not lock or unlock the fuel filler flap.

Plug-in hybrid: the socket flap is also locked and unlocked. The socket flap can be opened even if a key is detected in the vehicle.

THE VEHICLE IS NOT UNLOCKED WHEN THE BUTTON ① IS PRESSED:

- If you have locked the vehicle using the key



- If you have locked the vehicle using KEYLESS-GO

Locking/unlocking the vehicle with KEYLESS-GO

Requirements

- The key is outside the vehicle.
- The distance between the key and the vehicle does not exceed 1 m.
- The driver's door and the door on which the door handle is used are closed.

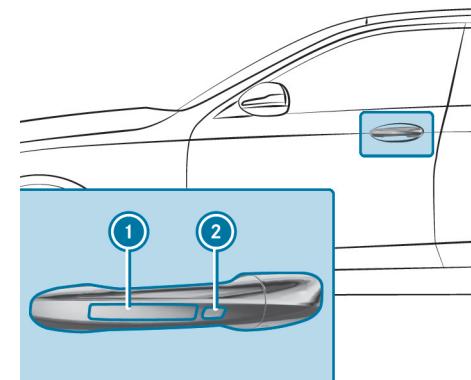
! **NOTE**

Damage to the vehicle caused by unintentionally opening the boot lid

- when using an automatic car wash
- when using a high pressure cleaner
- ▶ Deactivate the function of the key in these situations.
or
- ▶ Make sure that the key is at a minimum distance of 3 m away from the vehicle.

OBSERVE THE NOTES:

- on washing the vehicle in a car wash (→ page 45)
- on using a high pressure cleaner (→ page 621)



- ▶ **To unlock the vehicle:** touch the inner surface of the door handle.
- ▶ **To lock the vehicle:** touch sensor surface ① or ②.
- ▶ **Convenience closing:** touch recessed sensor surface ② until the closing process has been completed.

i Further information on convenience closing (→ page 197).

If you open the boot lid from outside, the boot lid is automatically unlocked.

Troubleshooting problems with KEYLESS-GO

YOU CAN NO LONGER LOCK OR UNLOCK THE VEHICLE USING KEYLESS-GO.

POSSIBLE CAUSES:

- The function of the key has been deactivated.
- The key battery is at low capacity or is flat.





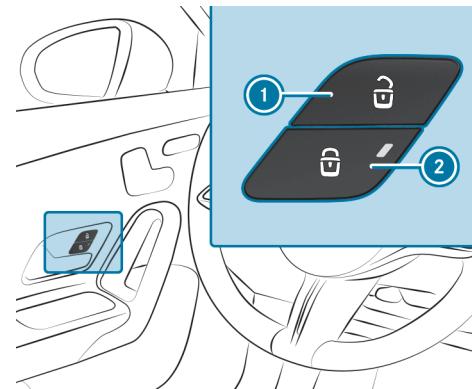
- ▶ Activate the function of the key (→ page 76).
- ▶ Check the battery via the indicator lamp (→ page 181).
- ▶ Replace the key battery as necessary (→ page 184).
- ▶ Use the replacement key.
- ▶ Use the emergency key to lock or unlock (→ page 189).
- ▶ Have the vehicle and key checked at a qualified specialist workshop.

THERE IS INTERFERENCE FROM A POWERFUL RADIO SIGNAL SOURCE.**POSSIBLE CAUSES IF THE FUNCTION OF KEYLESS-GO IS IMPAIRED:**

- high-voltage power lines
- mobile phones
- electronic devices (notebooks, tablets)
- shielding due to metallic objects or induction loops for electrical gate systems or automatic barriers
- ▶ Ensure that there is sufficient distance between the key and the potential source of interference.

Activating/deactivating the automatic locking feature

The vehicle is locked automatically when the vehicle is switched on and the wheels are turning faster than walking pace.



- ▶ **To activate:** press and hold the button ② for approximately five seconds until an acoustic signal sounds.
- ▶ **To deactivate:** press and hold the button ① for approximately five seconds until an acoustic signal sounds.

The red indicator lamp on the button ② lights up when the vehicle is locked.

IN THE FOLLOWING SITUATIONS, THERE IS A DANGER OF BEING LOCKED OUT WHEN THE FUNCTION IS ACTIVATED:

- while the vehicle is being tow started or pushed
- if the vehicle is being tested on a roller dynamometer





Activating/deactivating automatic locking in the MBUX multimedia system

Multimedia system:

▶ Settings ► Vehicle ► Open/close

- ⓘ The vehicle is locked automatically when the vehicle is switched on and the wheels are turning faster than walking pace.

▶ Activate or deactivate [Automatic locking](#).

IN THE FOLLOWING SITUATIONS, THERE IS A DANGER OF BEING LOCKED OUT WHEN THE FUNCTION IS ACTIVATED:

- The vehicle is being towed or pushed.
- If the vehicle is being tested on a roller dynamometer.

Locking/unlocking the vehicle with the emergency key

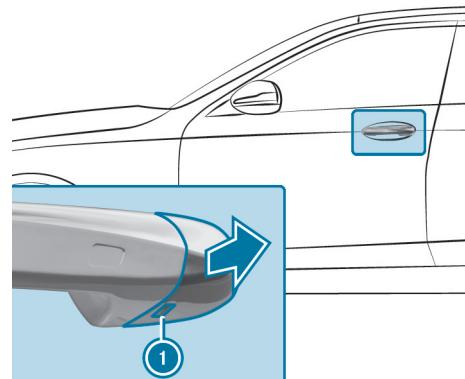
LOCKING/UNLOCKING THE DRIVER'S DOOR WITH THE EMERGENCY KEY

- ⓘ If you wish to lock the vehicle entirely using the emergency key, first press the button for locking from the inside while the driver's door is open. Then proceed to lock the driver's door using the emergency key.

- ⓘ If you unlock and open the driver's door with the emergency key, this triggers the Anti-Theft Alarm system.

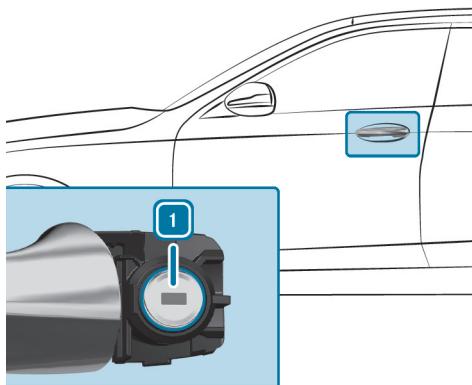
- ⓘ If you unlock the driver's door with the emergency key, the boot lid will not be unlocked.

- ⓘ Information on starting the vehicle in emergency operation mode (→ page 290).



- ▶ Remove the emergency key (→ page 183).
- ▶ Insert the emergency key as far as it will go into the opening ① on the cover cap.
- ▶ Pull out the door handle slightly and hold it in position.
- ▶ Pull the cover cap on the emergency key as straight as possible away from the vehicle until it releases.
- ▶ Release the door handle.



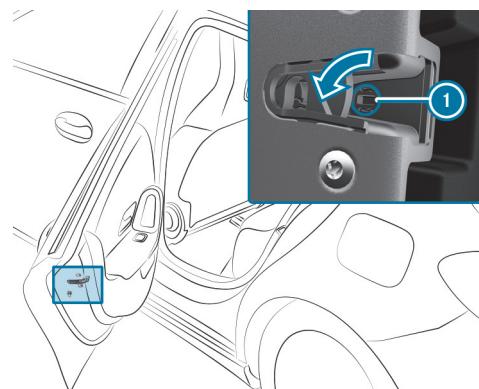


- ▶ **To lock the left-hand side of the vehicle:** turn the emergency key anti-clockwise as far as it will go.
- ▶ **To lock the right-hand side of the vehicle:** turn the emergency key clockwise as far as it will go.

If the locked door is then closed, it can no longer be opened from the outside.

- ▶ **To unlock:** turn the emergency key anti-clockwise to position 1.
- ▶ **To lock:** turn the emergency key clockwise to position 1.
- ▶ Carefully press the cover cap onto the lock cylinder until it engages and is seated firmly.

LOCKING THE FRONT PASSENGER DOOR AND REAR DOORS



- ▶ Insert a suitable object, e.g. the emergency key, into the opening 1 on the door lock.





< Boot

Opening the boot lid

DANGER

Risk of exhaust gas poisoning

Combustion engines emit poisonous exhaust gases such as carbon monoxide. Exhaust gases can enter the vehicle interior if the boot lid is open when the engine is running, especially if the vehicle is in motion.

- ▶ Always switch off the engine before opening the boot lid.
- ▶ Never drive with the boot lid open.

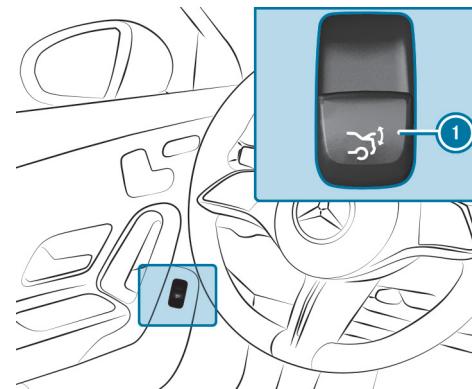
NOTE

Damage to the boot lid by obstacles above the vehicle

The boot lid swings upwards when it is opened.

- ▶ Therefore, make sure that there is sufficient clearance above the boot lid.

- ▶ Pull the boot lid handle.
- ▶ **Vehicles with HANDS-FREE ACCESS:** make a kicking movement with your foot below the bumper (→ page 192).



- ▶ Pull remote operating switch (1) until the boot lid opens.

or

- ▶ Press and hold the button on the key.





Closing the boot lid

⚠ WARNING

Risk of injury from unsecured items in the vehicle

If objects, luggage or loads are not secured or not secured sufficiently, they could slip, tip over or be thrown around and thereby hit vehicle occupants.

There is a risk of injury, particularly in the event of sudden braking or a sudden change in direction.

- ▶ Always stow objects in such a way that they cannot be thrown around.
- ▶ Before the journey, secure objects, luggage or loads against slipping or tipping over.

Observe the notes on loading the vehicle.

Notes on closing the boot lid: your vehicle is equipped with automatic key recognition.

NOTE THAT THE BOOT LID WILL NOT BE LOCKED AND WILL POP BACK OPEN IF THE FOLLOWING SITUATION OCCURS:

- You have locked the vehicle and closed the boot lid while a key belonging to the vehicle is inside the vehicle and is detected.
and
- A second key belonging to the vehicle is not detected outside the vehicle.

Automatic key recognition is only an aid and is not a substitute for your attentiveness.

- ▶ Before locking, ensure that at least one key belonging to the vehicle is outside the vehicle.
- ▶ **To close the boot lid:** pull the boot lid downwards using the handle recess and push it closed.

HANDS-FREE ACCESS function

HANDS-FREE ACCESS allows you to open the boot lid by performing a kicking motion under the bumper. The transmission must be in position **P** for this function.

Observe the notes when opening the boot lid (→ page 191).

⚠ WARNING

Risk of burns caused by a hot exhaust system

The vehicle exhaust system can become very hot. If you use HANDS-FREE ACCESS, you could burn yourself by touching the exhaust system.

- ▶ Always ensure that you only make a kicking movement within the detection range of the sensors.




! NOTE

Damage to the vehicle caused by unintentionally opening the boot lid

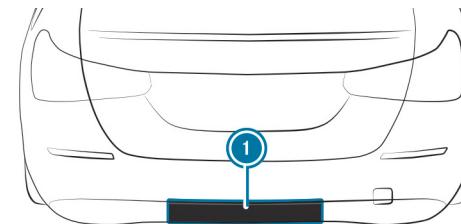
- when using an automatic car wash
- when using a high pressure cleaner
- ▶ Deactivate the function of the key in these situations.

- or
- ▶ Make sure that the key is at a minimum distance of 3 m away from the vehicle.

Ensure that you are standing firmly on the ground when performing the kicking motion. You could otherwise lose your balance, e.g. on ice.

OBSERVE THE FOLLOWING NOTES:

- If the key is not recognised:
 - Take the key in your hand.
 - or
 - Ensure that the function of the key is activated (→ page 76).
- Stand at least 30 cm away from the vehicle when performing the kicking motion.
- Do not come into contact with the bumper when performing the kicking motion.
- Do not carry out the kicking motion too slowly.
- The kicking motion must be towards the vehicle and back again.



① Detection range of the sensors

If several consecutive kicking motions are not successful, wait ten seconds.

SYSTEM LIMITS
THE SYSTEM MAY BE IMPAIRED OR INOPERATIVE IN THE FOLLOWING CASES:

- The sensors are dirty, e.g. due to road salt or snow.
- The kicking motion is performed with a prosthetic leg.

THE BOOT LID COULD BE OPENED UNINTENTIONALLY IN THE FOLLOWING SITUATIONS:

- A person's arms or legs are moving within the sensor detection range, e.g. when polishing the vehicle or picking up objects.
- Objects are moved or placed behind the vehicle, e.g. the hose of a fuel dispenser, a charging cable or luggage.
- Tension belts, tarps or other covers are pulled over the bumper.
- A protective mat with a length reaching over the loading sill down into the detection range of the sensors is used.
- The protective mat is not secured correctly.

Deactivate the function of the key (→ page 76) or do not carry the key about your person in such situations.





You can watch an animation on this topic via the following link:

Activating/deactivating the boot lid opening limiter

Multimedia system:

▶  ►► Settings ►► Vehicle ►► Other functions

▶ Activate or deactivate [Opening height limiter](#).

This function prevents the boot lid from hitting a low garage ceiling, for example.





< Side windows

Opening and closing the side windows

⚠ WARNING

Risk of becoming trapped when opening a side window

When you open a side window, parts of the body could be drawn in or become trapped between the side window and window frame.

- ▶ When opening, make sure that nobody is touching the side window.
- ▶ If someone is trapped, release the button immediately or pull it in order to close the side window again.

⚠ WARNING

Risk of becoming trapped when closing a side window

When closing a side window, body parts could be trapped in the closing area in the process.

- ▶ When closing, make sure that no body parts are in the closing area.
- ▶ If someone is trapped, release the button immediately or press the button in order to reopen the side window.

⚠ WARNING

Risk of becoming trapped when children operate the side windows

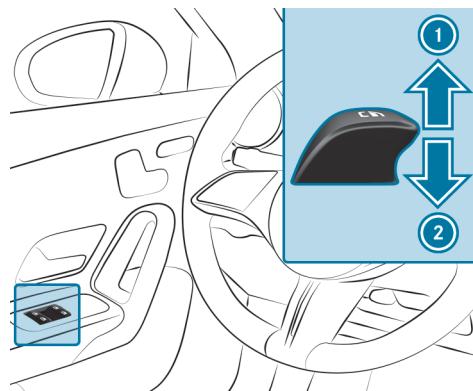
Children could become trapped if they operate the side windows, particularly when unattended.

- ▶ Activate the child safety lock for the rear side windows.
- ▶ When leaving the vehicle, always take the key with you and lock the vehicle.
- ▶ Never leave children unattended in the vehicle.

Requirements:

- The power supply or the vehicle has been switched on.





① Closing

② To open

The buttons on the driver's door take precedence.

- ▶ **To start automatic operation:** press the button beyond the point of resistance or pull and release it.
- ▶ **To interrupt automatic operation:** press or pull the button again.

When the vehicle is switched off, you can continue to operate the side windows.

This function will be available for around four minutes or until a front door is opened.

AUTOMATIC REVERSING FUNCTION OF THE SIDE WINDOWS

If an obstacle impedes a side window during the closing process, the side window will open again automatically. The automatic reversing function serves solely as an aid and is not a substitute for your attentiveness.

- ▶ During the closing process, ensure that no body parts remain within the closing area.

WARNING

Risk of becoming trapped despite there being reversing protection on the side window

THE REVERSING FUNCTION DOES NOT REACT:

- to soft, light and thin objects, e.g. fingers.
- during resetting.

The reversing function cannot prevent someone from becoming trapped in these situations.

- ▶ During the closing process, make sure that no body parts are in the closing area.
- ▶ If someone becomes trapped, press the button to open the side window again.

Automatic function of the side windows

IN THE FOLLOWING CASES, THE SIDE WINDOWS WILL BE CLOSED AUTOMATICALLY WHEN THE VEHICLE IS SWITCHED OFF:

- if it starts to rain
Rain will be detected by a rain sensor on the windscreen.
- in extreme temperatures
- after a certain time (depending on the on-board electrical system voltage)
- if there is a malfunction in the power supply

The side windows will be closed as far as the ventilation position.



Vehicles with a panorama sliding sunroof: the side windows will be closed completely if the sliding sunroof is open.

If the side windows are obstructed during automatic closing, the side window concerned will open again slightly. After another automatic closing process, the automatic function may be deactivated. The automatic function will be active again the next time the vehicle is started.

Convenience opening (ventilating the vehicle before starting a journey)

⚠ WARNING

Risk of entrapment when opening a side window

When opening a side window, parts of the body could be drawn in or become trapped between the side window and window frame.

- ▶ When opening, make sure that nobody is touching the side window.
- ▶ Release the button immediately if somebody becomes trapped.

Requirements:

- The key is in immediate proximity to the vehicle.
- ▶ Press and hold the button on the key.

THE FOLLOWING FUNCTIONS ARE PERFORMED:

- The vehicle is unlocked.
- The side windows open.

- The panoramic sliding sunroof opens.
- The driver's seat ventilation is switched on (vehicles with AMG performance seats).

(i) If the roller sunblind of the panoramic sliding sunroof is closed, the roller sunblind is opened first.

- ▶ **Interrupt convenience opening:** Release the button.
- ▶ **Continue convenience opening:** Press and hold the button again.

Convenience closing (closing the vehicle from outside)

⚠ WARNING

Risk of entrapment due to not paying attention during convenience closing

When the convenience closing feature is operating, parts of the body could become trapped in the closing area of the side window and the sliding sunroof.

- ▶ When the convenience closing feature is operating, monitor the entire closing process and make sure that no body parts are in the closing area.

Requirements:

- The key is in immediate proximity to the vehicle.





- ▶ Press and hold the  button on the key.

THE FOLLOWING FUNCTIONS ARE PERFORMED:

- The vehicle is locked.
- The side windows are closed.
- The panoramic sliding sunroof is closed.

- ▶ **To interrupt convenience closing:** release the  button.
- ▶ **To continue convenience closing:** press and hold the  button again.

 Convenience closing also functions with KEYLESS-GO
(→ page 187).

Resolving problems with the side windows

⚠ WARNING

Risk of becoming trapped or fatally injured if reversing protection is not activated

If you close a side window again immediately after it has been blocked, the side window will close with increased or maximum force. The reversing function is then not active and body parts may become trapped.

- ▶ Make sure that no parts of the body are in the closing area.
- ▶ To stop the closing process, release the button or press the button again to reopen the side window.

A SIDE WINDOW CANNOT BE CLOSED AND YOU CANNOT SEE THE CAUSE.

- ▶ Check to see whether any objects are in the window guide.
- ▶ Adjust the side windows.

Adjusting the side windows

If a side window is obstructed during closing and reopens again immediately:

- ▶ Immediately after this, pull and hold the corresponding button again until the side window has closed and hold the button for at least one more second (re-adjustment).
The side window will be closed without the automatic reversing function.

If the side window is obstructed again and reopens again immediately:

- ▶ Immediately after this, pull and hold the corresponding button again until the side window has closed and hold the button for at least one more second (follow-up adjustment).
The side window will be closed without the automatic reversing function.
- ▶ If a side window is obstructed again during closing and reopens again slightly, consult a qualified specialist workshop.

THE SIDE WINDOWS CANNOT BE OPENED OR CLOSED USING THE CONVENIENCE OPENING FEATURE.

POSSIBLE CAUSES:

- The key is not in the immediate vicinity of the vehicle.
- The key battery is at low capacity or is flat.
- ▶ Check the battery using the indicator lamp (→ page 181).





- ▶ Replace the key battery, if necessary (→ page 184).





< Sliding sunroof

Opening and closing the sliding sunroof

- i** The term "sliding sunroof" also refers to the panorama sliding sunroof.

⚠ WARNING

Risk of becoming trapped when the sliding sunroof is being opened and closed

Body parts may become trapped in the range of movement.

- ▶ During opening and closing, make sure that no body parts are in the range of movement.
- ▶ Release the button immediately if somebody becomes trapped.

or

- ▶ Briefly press the button in any direction during automatic operation.

The opening or closing process will be stopped.

⚠ WARNING

Risk of entrapment if the sliding sunroof is operated by children
Children operating the sliding sunroof could get caught in the moving parts, particularly if unattended.

- ▶ Never leave children unattended in the vehicle.
- ▶ When leaving the vehicle, always take the key with you and lock the vehicle.



**⚠ WARNING**

Risk of becoming trapped when the roller sunblind is being opened and closed

Body parts may become trapped between the roller sunblind and frame or sliding roof.

- ▶ When opening or closing, make sure that no body parts are in the roller sunblind's range of movement.
- ▶ Release the button immediately if somebody becomes trapped.

or

- ▶ Briefly press the button in any direction during automatic operation.

The opening or closing process will be stopped.

! NOTE

Malfunction due to snow and ice

Snow and ice may cause the sliding sunroof to malfunction.

- ▶ Open the sliding sunroof only if it is free of snow and ice.

! NOTE

Damage caused by moisture ingress

- ▶ Do not open the sliding sunroof if it has just rained.
- ▶ Do not open the sliding sunroof immediately after washing the vehicle in a car wash.

! NOTE

Damage caused by protruding objects

Objects that protrude from the sliding sunroof may damage the seals.

- ▶ Do not allow anything to protrude from the sliding sunroof.

! NOTE

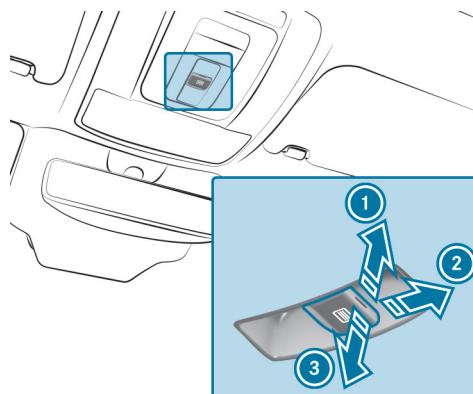
Damage to the panorama sliding sunroof due to non-approved roof luggage racks

The panorama sliding sunroof may be damaged by the roof luggage rack if you attempt to open it when using a roof luggage rack not tested and approved for Mercedes-Benz.

- ▶ When a roof luggage rack is fitted, open the panorama sliding sunroof only if this has been tested and approved for Mercedes-Benz.

The panorama sliding sunroof may be raised to allow ventilation of the vehicle interior.





- ① To raise
- ② To open
- ③ To close/lower

Use the [] button to operate the panorama sliding sunroof and the roller sunblind.

The panoramic sliding sunroof can be operated only when the roller sunblind is open.

- ▶ Check whether the sliding sunroof can be raised or opened when a roof luggage rack is fitted.
- ▶ **To start automatic operation:** press the [] button beyond the point of resistance or pull and release it.
- ▶ **To interrupt automatic operation:** briefly press the [] button in any direction.
The opening/closing process will be stopped.

AUTOMATIC REVERSING FUNCTION OF THE SLIDING SUNROOF

If an obstacle obstructs the sliding sunroof during the closing process, the sliding sunroof will open again automatically. The automatic reversing function serves solely as an aid and is not a substitute for your attentiveness.

- ▶ Keep the opening area and the guide rails free of debris, e.g. ice, snow or leaves.
- ▶ When closing the sliding sunroof, make sure that no body parts or objects are in the closing area.

⚠ WARNING

Risk of becoming trapped despite the reversing function being active

IN PARTICULAR, THE REVERSING FUNCTION DOES NOT REACT:

- to soft, light and thin objects, e.g. fingers.
 - towards the end of the closing procedure.
 - during resetting.
 - ▶ During the closing process, make sure that no body parts are in the closing area.
 - ▶ Release the button immediately if somebody becomes trapped.
- or
- ▶ Briefly press the button in any direction during automatic operation.
The closing process will be stopped.

AUTOMATIC REVERSING FUNCTION OF THE ROLLER SUNBLIND

If an obstacle obstructs the roller sunblind during the closing process, the roller sunblind will open again automatically. The automatic reversing function serves solely as an aid and is not a substitute for your attentiveness.





- ▶ Keep the opening area and the guide rails free of debris, e.g. ice, snow or leaves.
- ▶ When closing the roller sunblind, make sure that no body parts or objects are in the range of movement.

WARNING

Risk of becoming trapped despite reversing function

In particular, the reversing function does not react to soft, light and thin objects, e.g. fingers.

- ▶ When closing the roller sunblind, make sure that no body parts are in the range of movement.
- ▶ Release the button immediately if somebody becomes trapped.
or
- ▶ Briefly press the button in any direction during the automatic closing process.
The closing process will be stopped.

Rain will be detected by a rain sensor on the windscreen.

- in extreme temperatures
- after a certain time (depending on the on-board electrical system voltage)
- if there is a malfunction in the power supply

The sliding sunroof will rise at the rear in order to continue ventilating the vehicle interior.

If the sliding sunroof is obstructed during an automatic closing procedure, it will be opened again slightly. The automatic function for the sliding sunroof and the side windows will then be deactivated.

RAIN CLOSING FUNCTION WHEN DRIVING

Vehicles with a panorama sliding sunroof: if it starts to rain, the raised sliding sunroof will automatically be lowered while the vehicle is in motion.

AUTOMATIC LOWERING FUNCTION

Vehicles with a panorama sliding sunroof: if the sliding sunroof is raised at the rear, it will automatically be lowered slightly at higher speeds. At low speeds, it will be raised again automatically.

Automatic functions of the sliding sunroof

 The term "sliding sunroof" also refers to the panorama sliding sunroof.

THE SLIDING SUNROOF WILL BE CLOSED AUTOMATICALLY WHEN THE VEHICLE HAS BEEN SWITCHED OFF IN THE FOLLOWING SITUATIONS:

- if it starts to rain



**⚠ WARNING**

Risk of becoming trapped by automatic lowering of the sliding sunroof

At higher speeds, the raised sliding sunroof will automatically be lowered slightly at the rear.

- ▶ Make sure that nobody reaches into the sliding sunroof's range of movement while the vehicle is in motion.
- ▶ If somebody becomes trapped, briefly push the sliding sunroof button forwards or backwards.

ⓘ By pushing or pulling the  button, you can interrupt the automatic functions "Rain closing function when driving" and "Automatic lowering".

Rectifying problems with the sliding sunroof

⚠ WARNING

Risk of becoming trapped or fatal injuries when the sliding sunroof is closed again

If the sliding sunroof is closed again immediately after it has been blocked or reset, it will close with increased force.

- ▶ Make sure that no parts of the body are in the closing area.
- ▶ Release the button immediately if somebody becomes trapped.

or

- ▶ Briefly press the button in any direction during the automatic closing process.

The closing process will be stopped.

THE SLIDING SUNROOF CANNOT BE CLOSED AND YOU CANNOT SEE THE CAUSE.

ⓘ The term "sliding sunroof" also refers to the panorama sliding sunroof.

If the sliding sunroof is obstructed during closing and reopens again slightly:

- ▶ Immediately after automatic reversing, pull and hold the  button down again to the point of resistance until the sliding sunroof is closed. The sliding sunroof will be closed with increased force.





If the sliding sunroof is obstructed again and opens again slightly:

- ▶ Repeat the previous step.

The sliding sunroof will be closed again with increased force.

Vehicles with a panorama sliding sunroof: the sliding sunroof or the roller sunblind is not operating smoothly.

- ▶ Reset the sliding sunroof and the roller sunblind.

Resetting the sliding sunroof and the roller sunblind

- ▶ Pull and hold the  button little by little until the sliding sunroof is fully closed.
- ▶ Pull and hold the  button little by little until the roller sunblind is fully closed.
- ▶ Use automatic operation to fully open and then close the sliding sunroof.





< Anti-theft protection

Function of the immobiliser

The immobiliser prevents your vehicle from being started without the correct key.

The immobiliser is automatically activated when the vehicle is switched off, and deactivated when the vehicle is switched on.

ATA (Anti-Theft Alarm system)

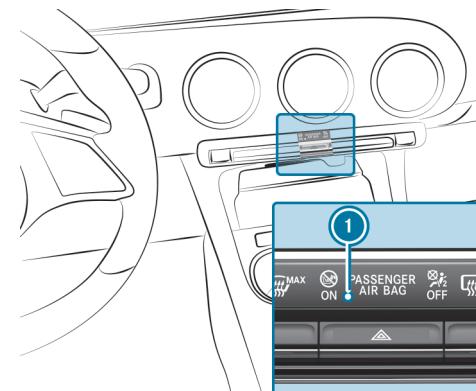
FUNCTION OF THE ATA SYSTEM

IF THE ATA SYSTEM IS PRIMED, A VISUAL AND AUDIBLE ALARM IS ISSUED IN THE FOLLOWING SITUATIONS:

- when a door is opened
- when the boot lid is opened
- when the bonnet is opened
- when the interior protection is triggered (→ page 207)
- when the tow-away protection is triggered (→ page 207)

THE ATA SYSTEM IS PRIMED AUTOMATICALLY AFTER APPROXIMATELY TEN SECONDS IN THE FOLLOWING SITUATIONS:

- After locking the vehicle with the key
- After locking the vehicle using KEYLESS-GO



The indicator lamp ① flashes when the ATA system is primed.

THE ATA SYSTEM IS DEACTIVATED AUTOMATICALLY IN THE FOLLOWING SITUATIONS:

- After unlocking the vehicle with the key
- After unlocking the vehicle using KEYLESS-GO
- After pressing the Start/Stop button with the key in the storage compartment (→ page 290)

DEACTIVATING THE ATA

- ▶ Press the or button on the key.
or
- ▶ Press the start/stop button with the key in the stowage compartment
(→ page 290)





DEACTIVATING THE ALARM USING KEYLESS-GO

- ▶ Grasp the outside door handle with the key outside the vehicle.

Function of tow-away protection

A visual and audible alarm is triggered if an alteration to your vehicle's angle of inclination is detected while tow-away protection is primed.

TOW-AWAY PROTECTION IS AUTOMATICALLY PRIMED AFTER ABOUT 60 SECONDS:

- After locking the vehicle with the key
- After locking the vehicle using KEYLESS-GO

TOW-AWAY PROTECTION IS ONLY PRIMED WHEN THE FOLLOWING COMPONENTS ARE CLOSED:

- Doors
- Boot lid

TOW-AWAY PROTECTION IS AUTOMATICALLY DEACTIVATED:

- After pressing the button  or  on the key
- After pressing the Start/Stop button with the key in the storage compartment (→ page 290)
- After unlocking the vehicle using KEYLESS-GO
- When using HANDS-FREE ACCESS

Information on collision detection for a parked vehicle (→ page 362).

Priming/deactivating tow-away protection

Multimedia system:

 ►  ► Vehicle ► Open/close ► Vehicle protection

- ▶ Activate or deactivate **Tow-away protection**.

TOW-AWAY PROTECTION IS PRIMED AGAIN IN THE FOLLOWING CASES:

- The vehicle is unlocked again.
- A door is opened.
- The vehicle is locked again.

Function of interior protection

When interior protection is primed, a visual and audible alarm is triggered if movement is detected in the vehicle interior.

INTERIOR PROTECTION IS PRIMED AUTOMATICALLY AFTER APPROXIMATELY TEN SECONDS:

- after locking the vehicle with the key
- after locking the vehicle using KEYLESS-GO

INTERIOR PROTECTION IS ONLY PRIMED WHEN THE FOLLOWING COMPONENTS ARE CLOSED:

- Doors
- Boot lid

INTERIOR PROTECTION IS AUTOMATICALLY DEACTIVATED:

- after pressing the  or  button on the key



- after pressing the start/stop button with the key in the stowage compartment (→ page 290)
- after unlocking the vehicle using KEYLESS-GO
- when using HANDS-FREE ACCESS

THE FOLLOWING SITUATIONS CAN LEAD TO A FALSE ALARM:

- when there are moving objects such as mascots in the vehicle interior
- if a side window is open
- if the panoramic sunroof is open

Priming/deactivating interior protection

Multimedia system:

- ▶  ► Settings ► Vehicle ► Open/close ► Vehicle protection
▶ Activate or deactivate Interior protection.

INTERIOR PROTECTION IS PRIMED AGAIN IN THE FOLLOWING CASES:

- The vehicle is unlocked again.
- A door is opened.
- The vehicle is locked again.





< Seats and stowing

This interactive PDF works like a website – tap or click a button to jump straight to where you want to go.

You can return here at any time via the navigation bar at the top left.

Notes on the correct driver's seat position >

Cup holders >

Notes on grab handles >

Sockets >

Seats >

Charging a mobile phone wirelessly >

Steering wheel >

Fitting/removing the floor mats >

Easy entry and exit feature >

Memory function >

Stowage areas >



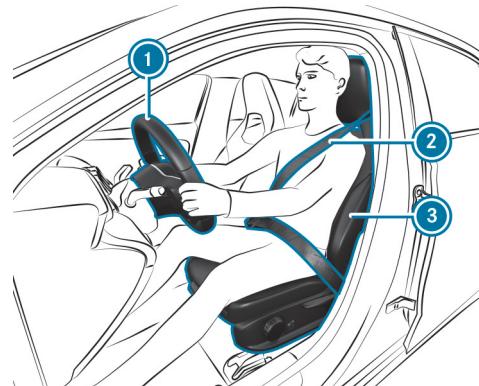
< Notes on the correct driver's seat position

⚠ WARNING

Risk of accident due to adjusting the vehicle settings while the vehicle is in motion

YOU COULD LOSE CONTROL OF THE VEHICLE IN THE FOLLOWING SITUATIONS IN PARTICULAR:

- if you adjust the driver's seat, the head restraint, the steering wheel or the mirror while the vehicle is in motion
- if you fasten your seat belt while the vehicle is in motion
- Before starting the vehicle: in particular, adjust the driver's seat, head restraint, steering wheel and mirror, and fasten your seat belt.



ENSURE THE FOLLOWING WHEN ADJUSTING STEERING WHEEL ①, SEAT BELT ② AND DRIVER'S SEAT ③:

- You are sitting as far away from the driver's airbag as possible, taking the following points into consideration:
- You are sitting in an upright position
- Your thighs are slightly supported by the seat cushion
- Your legs are not fully extended and you can depress the pedals properly
- The back of your head is supported at eye level by the centre of the head restraint
- You can hold the steering wheel with your arms slightly bent
- You can move your legs freely
- You can see all the indicators on the driver display clearly
- You have a good overview of the traffic conditions
- Observe the notes on correctly fastening the seat belt (→ page 132).

Vehicles with AMG Performance seats: if the front passenger seat is unoccupied, this may lead to noise caused by the seat belt tongue knocking against the seat. You can prevent this by sliding the seat belt tongue upwards with the seat belt adjuster clip. When the front passenger seat is occupied again, ensure that the seat belt adjuster clip is pushed down. Only then will the seat belt fit snugly against the body.



< Notes on grab handles

⚠ WARNING

Risk of injury due to excessive load on the grab handles

If you apply your full body weight to the grab handle or pull it abruptly, the grab handle may be damaged or come loose from its anchorage. This may result in injuries.

- ▶ Use the grab handles only to stabilise the seating position or to assist in getting in and out of the seat.





< Seats

Adjusting the front seat mechanically (without Seat Comfort Package)

⚠ WARNING

Risk of becoming trapped if the seats are adjusted by children

Children could become trapped if they adjust the seats, particularly when unattended.

- ▶ When leaving the vehicle, always take the key with you and lock the vehicle.
- ▶ Never leave children unattended in the vehicle.

This also applies to the Digital Vehicle Key.

⚠ WARNING

Risk of becoming trapped during seat adjustment

When you adjust a seat, you or other vehicle occupants could become trapped, e.g. on the seat guide rail.

- ▶ Make sure when adjusting a seat that no one has any body parts in the sweep of the seat.

⚠ WARNING

Risk of accident due to the driver's seat not being engaged

The driver's seat may move unexpectedly while driving.

This could cause you to lose control of the vehicle.

- ▶ Always make sure that the driver's seat is engaged before starting the vehicle.

⚠ WARNING

Risk of accident due to adjusting the vehicle settings while the vehicle is in motion

YOU COULD LOSE CONTROL OF THE VEHICLE IN THE FOLLOWING SITUATIONS IN PARTICULAR:

- if you adjust the driver's seat, the head restraint, the steering wheel or the mirror while the vehicle is in motion
- if you fasten your seat belt while the vehicle is in motion
- ▶ Before starting the vehicle: in particular, adjust the driver's seat, head restraint, steering wheel and mirror, and fasten your seat belt.

Observe the safety notes on "Airbags" and "Children in the vehicle".



**⚠ WARNING**

Risk of becoming trapped if the seat height is adjusted carelessly
If you adjust the seat height carelessly, you or other vehicle occupants could be trapped and thereby injured.
Children in particular could accidentally press the electrical seat adjustment buttons and become trapped.

- ▶ While moving the seats, make sure that hands or other body parts do not get under the lever assembly of the seat adjustment system.

⚠ WARNING

Risk of injury due to head restraints not being fitted or being adjusted incorrectly
If head restraints have not been installed or have not been adjusted correctly, there is an increased risk of injury in the head and neck area, e.g. in the event of an accident or when braking.

- ▶ Always drive with the head restraints fitted.
- ▶ Before driving off, make sure for every vehicle occupant that the centre of the head restraint supports the back of the head at about eye level.

Do not interchange the head restraints of the front and rear seats. Otherwise, you will not be able to adjust the height and angle of the head restraints correctly.

Adjust the head restraint fore-and-aft position so that it is as close as possible to the back of your head.

⚠ WARNING

Risk of injury or death due to incorrect seat position
The seat belt will not offer the intended level of protection if you have not moved the seat backrest to an almost vertical position.
In particular, you may slip under the seatbelt and injure yourself.

- ▶ Adjust the seat properly before beginning your journey.
- ▶ Always ensure that the seat backrest is in an almost vertical position and that the shoulder section of your seat belt is routed across the centre of your shoulder.

⚠ WARNING

Risk of injury due to excessive load on the grab handles
If you apply your full body weight to the grab handle or pull it abruptly, the grab handle may be damaged or come loose from its anchorage. This may result in injuries.

- ▶ Use the grab handles only to stabilise the seating position or to assist in getting in and out of the seat.



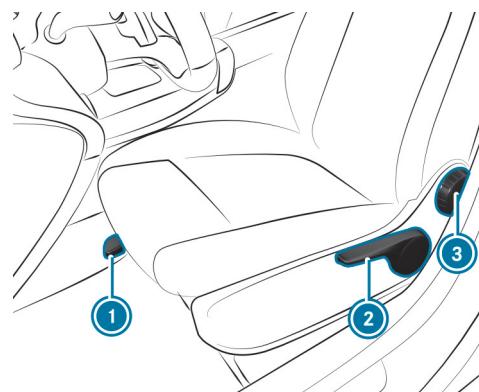
**⚠ WARNING**

Risk of potentially fatal injuries due to objects trapped under the front passenger seat

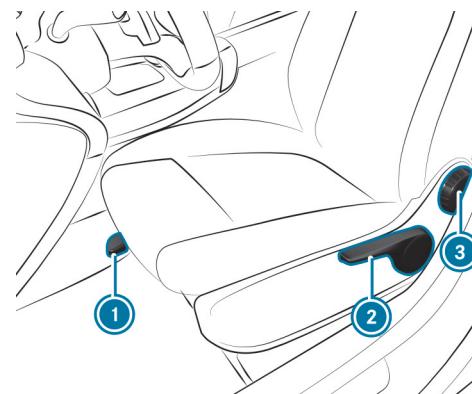
Objects trapped under the front passenger seat may interfere with the function of the automatic front passenger airbag shutoff or damage the system.

- ▶ Do not stow any objects under the front passenger seat.
- ▶ When the front passenger seat is occupied, ensure that no objects have become trapped beneath the front passenger seat.

ADJUSTS THE SEAT FORE-AND-AFT POSITION



- ▶ Lift lever ① and slide the seat into the desired position.
- ▶ Make sure that the seat is engaged.



- ▶ **To adjust the seat height:** push or pull lever ② until the desired position has been reached.
- ▶ **To adjust the seat backrest inclination:** turn handwheel ③ forwards and backwards until the desired position has been reached.

Adjusting the front seat mechanically (with Seat Comfort Package)

⚠ WARNING

Risk of becoming trapped if the seats are adjusted by children
Children could become trapped if they adjust the seats, particularly when unattended.

- ▶ When leaving the vehicle, always take the key with you and lock the vehicle.
- ▶ Never leave children unattended in the vehicle.

This also applies to the Digital Vehicle Key.

**⚠ WARNING**

Risk of becoming trapped during seat adjustment

When you adjust a seat, you or other vehicle occupants could become trapped, e.g. on the seat guide rail.

- ▶ Make sure when adjusting a seat that no one has any body parts in the sweep of the seat.

Observe the safety notes on "Airbags" and "Children in the vehicle".

⚠ WARNING

Risk of accident due to the driver's seat not being engaged

The driver's seat may move unexpectedly while driving.

This could cause you to lose control of the vehicle.

- ▶ Always make sure that the driver's seat is engaged before starting the vehicle.

⚠ WARNING

Risk of accident due to adjusting the vehicle settings while the vehicle is in motion

YOU COULD LOSE CONTROL OF THE VEHICLE IN THE FOLLOWING SITUATIONS IN PARTICULAR:

- if you adjust the driver's seat, the head restraint, the steering wheel or the mirror while the vehicle is in motion
- if you fasten your seat belt while the vehicle is in motion
- ▶ Before starting the vehicle: in particular, adjust the driver's seat, head restraint, steering wheel and mirror, and fasten your seat belt.

⚠ WARNING

Risk of becoming trapped if the seat height is adjusted carelessly

If you adjust the seat height carelessly, you or other vehicle occupants could be trapped and thereby injured.

Children in particular could accidentally press the electrical seat adjustment buttons and become trapped.

- ▶ While moving the seats, make sure that hands or other body parts do not get under the lever assembly of the seat adjustment system.



**⚠ WARNING**

Risk of injury due to head restraints not being fitted or being adjusted incorrectly

If head restraints have not been installed or have not been adjusted correctly, there is an increased risk of injury in the head and neck area, e.g. in the event of an accident or when braking.

- ▶ Always drive with the head restraints fitted.
- ▶ Before driving off, make sure for every vehicle occupant that the centre of the head restraint supports the back of the head at about eye level.

Do not interchange the head restraints of the front and rear seats. Otherwise, you will not be able to adjust the height and angle of the head restraints correctly.

Adjust the head restraint fore-and-aft position so that it is as close as possible to the back of your head.

⚠ WARNING

Risk of injury or death due to incorrect seat position

The seat belt will not offer the intended level of protection if you have not moved the seat backrest to an almost vertical position.

In particular, you may slip under the seatbelt and injure yourself.

- ▶ Adjust the seat properly before beginning your journey.
- ▶ Always ensure that the seat backrest is in an almost vertical position and that the shoulder section of your seat belt is routed across the centre of your shoulder.

⚠ WARNING

Risk of injury due to excessive load on the grab handles

If you apply your full body weight to the grab handle or pull it abruptly, the grab handle may be damaged or come loose from its anchorage. This may result in injuries.

- ▶ Use the grab handles only to stabilise the seating position or to assist in getting in and out of the seat.

⚠ WARNING

Risk of potentially fatal injuries due to objects trapped under the front passenger seat

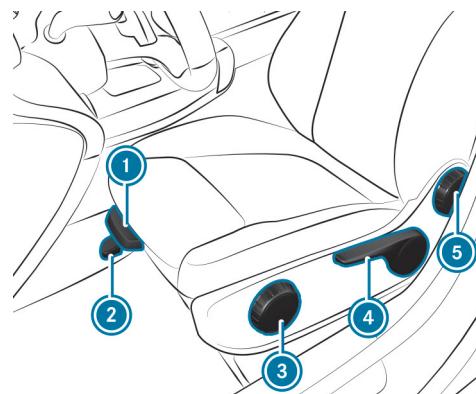
Objects trapped under the front passenger seat may interfere with the function of the automatic front passenger airbag shutoff or damage the system.

- ▶ Do not stow any objects under the front passenger seat.
- ▶ When the front passenger seat is occupied, ensure that no objects have become trapped beneath the front passenger seat.

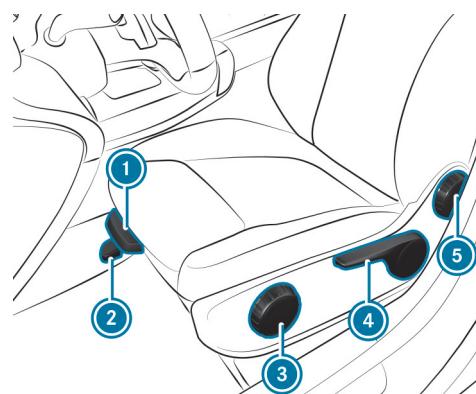




ADJUSTS THE SEAT FORE-AND-AFT POSITION



- ▶ Lift lever ② and slide the seat into the desired position.
- ▶ Make sure that the seat is engaged.



- ▶ **To adjust the seat cushion length (driver's seat only):** lift lever ① and slide the front section of the seat cushion forwards or backwards.
- ▶ **To adjust the seat cushion inclination:** turn handwheel ③ forwards and backwards until the desired position has been reached.

- ▶ **To adjust the seat height:** push or pull lever ④ until the desired position has been reached.
- ▶ **To adjust the seat backrest inclination:** turn handwheel ⑤ forwards and backwards until the desired position has been reached.

Adjusting the front seat electrically

⚠ WARNING

Risk of becoming trapped if the seats are adjusted by children
Children could become trapped if they adjust the seats, particularly when unattended.

- ▶ When leaving the vehicle, always take the key with you and lock the vehicle.
- ▶ Never leave children unattended in the vehicle.

You can adjust the seats when the vehicle is switched off.

⚠ WARNING

Risk of becoming trapped during seat adjustment
When you adjust a seat, you or other vehicle occupants could become trapped, e.g. on the seat guide rail.

- ▶ Make sure when adjusting a seat that no one has any body parts in the sweep of the seat.

Observe the safety notes on "Airbags" and "Children in the vehicle".

**⚠ WARNING**

Risk of accident due to adjusting the vehicle settings while the vehicle is in motion

YOU COULD LOSE CONTROL OF THE VEHICLE IN THE FOLLOWING SITUATIONS IN PARTICULAR:

- if you adjust the driver's seat, the head restraint, the steering wheel or the mirror while the vehicle is in motion
- if you fasten your seat belt while the vehicle is in motion
- ▶ Before starting the vehicle: in particular, adjust the driver's seat, head restraint, steering wheel and mirror, and fasten your seat belt.

⚠ WARNING

Risk of becoming trapped if the seat height is adjusted carelessly

If you adjust the seat height carelessly, you or other vehicle occupants could be trapped and thereby injured.

Children in particular could accidentally press the electrical seat adjustment buttons and become trapped.

- ▶ While moving the seats, make sure that hands or other body parts do not get under the lever assembly of the seat adjustment system.

⚠ WARNING

Risk of injury due to head restraints not being fitted or being adjusted incorrectly

If head restraints have not been installed or have not been adjusted correctly, there is an increased risk of injury in the head and neck area, e.g. in the event of an accident or when braking.

- ▶ Always drive with the head restraints fitted.
- ▶ Before driving off, make sure for every vehicle occupant that the centre of the head restraint supports the back of the head at about eye level.

Do not interchange the head restraints of the front and rear seats. Otherwise, you will not be able to adjust the height and angle of the head restraints correctly.

Adjust the head restraint fore-and-aft position so that it is as close as possible to the back of your head.

⚠ WARNING

Risk of injury or death due to incorrect seat position

The seat belt will not offer the intended level of protection if you have not moved the seat backrest to an almost vertical position.

In particular, you may slip under the seatbelt and injure yourself.

- ▶ Adjust the seat properly before beginning your journey.
- ▶ Always ensure that the seat backrest is in an almost vertical position and that the shoulder section of your seat belt is routed across the centre of your shoulder.



**⚠ WARNING**

Risk of injury due to excessive load on the grab handles

If you apply your full body weight to the grab handle or pull it abruptly, the grab handle may be damaged or come loose from its anchorage. This may result in injuries.

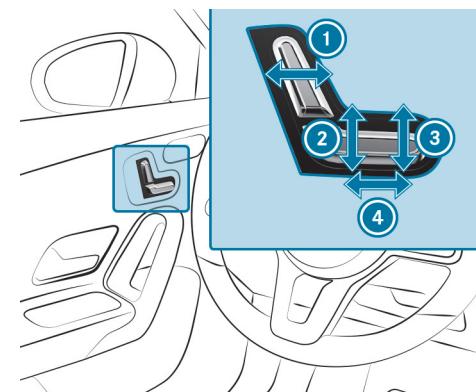
- ▶ Use the grab handles only to stabilise the seating position or to assist in getting in and out of the seat.

⚠ WARNING

Risk of potentially fatal injuries due to objects trapped under the front passenger seat

Objects trapped under the front passenger seat may interfere with the function of the automatic front passenger airbag shutoff or damage the system.

- ▶ Do not stow any objects under the front passenger seat.
- ▶ When the front passenger seat is occupied, ensure that no objects have become trapped beneath the front passenger seat.



① Seat backrest inclination

② Seat height

③ Seat cushion inclination

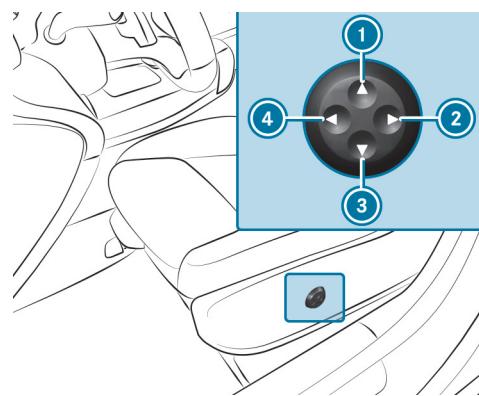
④ Seat fore-and-aft position

- ▶ Save the settings with the memory function (→ page 231).



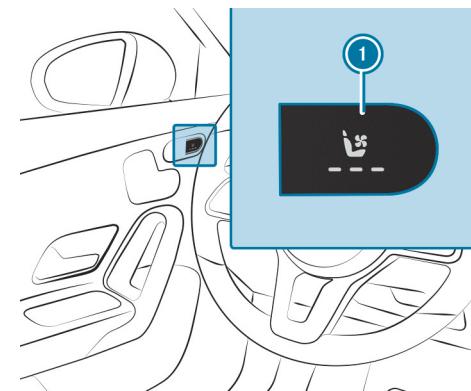


Adjusting the 4-way lumbar support



- ① Higher
- ② Softer
- ③ Lower
- ④ Firmer

► Use buttons ① to ④ to adjust the contour of the backrest.



► Press button ① repeatedly until the desired blower setting has been reached.

Depending on the blower setting, up to three indicator lamps will light up. If all indicator lamps are off, the seat ventilation is switched off.

Switching the seat ventilation of the AMG Performance seats on or off

Requirements

- The power supply is switched on.





Head restraints

ADJUSTING THE FRONT SEAT HEAD RESTRAINTS MANUALLY

WARNING

Risk of accident due to adjusting the vehicle settings while the vehicle is in motion

YOU COULD LOSE CONTROL OF THE VEHICLE IN THE FOLLOWING SITUATIONS IN PARTICULAR:

- if you adjust the driver's seat, the head restraint, the steering wheel or the mirror while the vehicle is in motion
- if you fasten your seat belt while the vehicle is in motion
- ▶ Before starting the vehicle: in particular, adjust the driver's seat, head restraint, steering wheel and mirror, and fasten your seat belt.

WARNING

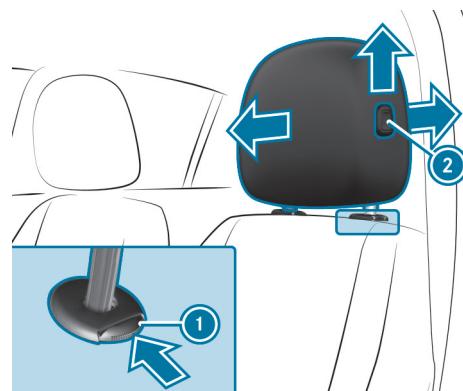
Risk of injury due to head restraints not being fitted or being adjusted incorrectly

If head restraints have not been installed or have not been adjusted correctly, there is an increased risk of injury in the head and neck area, e.g. in the event of an accident or when braking.

- ▶ Always drive with the head restraints fitted.
- ▶ Before driving off, make sure for every vehicle occupant that the centre of the head restraint supports the back of the head at about eye level.

Do not interchange the head restraints of the front and rear seats. Otherwise, you will not be able to adjust the height and angle of the head restraints correctly.

Adjust the head restraint fore-and-aft position so that it is as close as possible to the back of your head.



- ▶ **To raise:** pull the head restraint up.
- ▶ **To lower:** press release knob ① in the direction of the arrow and push the head restraint down.
- ▶ **To move forwards:** press release knob ② and pull the head restraint forwards.
- ▶ **To move backwards:** press release knob ② and push the head restraint backwards.





ADJUSTING THE HEAD RESTRAINTS OF THE REAR SEATS MANUALLY

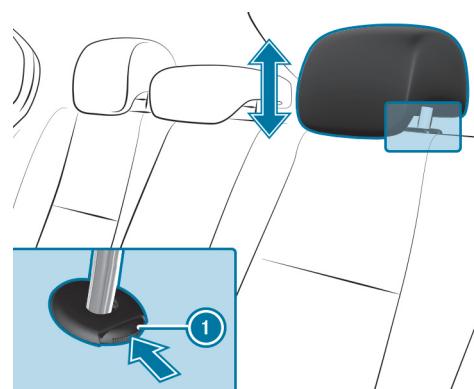
⚠ WARNING

Risk of injury due to head restraints not being fitted or being adjusted incorrectly

If head restraints have not been installed or have not been adjusted correctly, there is an increased risk of injury in the head and neck area, e.g. in the event of an accident or when braking.

- ▶ Always drive with the head restraints fitted.
- ▶ Before driving off, make sure for every vehicle occupant that the centre of the head restraint supports the back of the head at about eye level.

Do not interchange the head restraints of the front and rear seats. Otherwise, you will not be able to adjust the height and angle of the head restraints correctly. Adjust the head restraint fore-and-aft position so that it is as close as possible to the back of your head.



- ▶ **To raise:** pull the head restraint up.

- ▶ **To lower:** press release button ① and push the head restraint down.

FITTING/REMOVING THE REAR SEAT HEAD RESTRAINTS

⚠ WARNING

Risk of injury due to head restraints not being fitted or being adjusted incorrectly

If head restraints have not been installed or have not been adjusted correctly, there is an increased risk of injury in the head and neck area, e.g. in the event of an accident or when braking.

- ▶ Always drive with the head restraints fitted.
- ▶ Before driving off, make sure for every vehicle occupant that the centre of the head restraint supports the back of the head at about eye level.

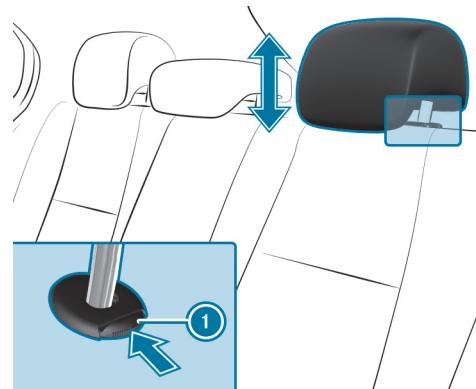
Do not interchange the head restraints of the front and rear seats. Otherwise, you will not be able to adjust the height and angle of the head restraints correctly.

Adjust the head restraint fore-and-aft position so that it is as close as possible to the back of your head.



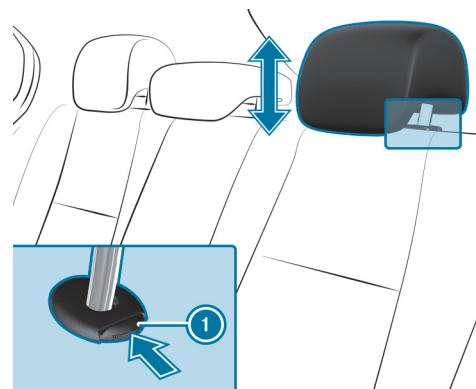


REMOVING



- ▶ Release the rear seat backrest and fold it forwards slightly (→ page 54).
- ▶ Pull the head restraint upwards as far as it will go.
- ▶ Push release knob ① in the direction of the arrow and pull out the head restraint.

FITTING



- ▶ Insert the head restraint such that the notches on the bar are on the left when viewed in the direction of travel.
- ▶ Push the head restraint down until it engages.
- ▶ Fold the rear seat backrest back until it engages.

Setting automatic seat adjustment



WARNING

Risk of becoming trapped during adjustment of the driver's seat after calling up a driver profile

Selecting a user profile may trigger an adjustment of the driver's seat to the position saved under the user profile. You or other vehicle occupants could be injured in the process.

- ▶ Make sure that when the position of driver's seat is being adjusted using the multimedia system, no people or body parts are in the seat's range of movement.

If there is a risk of someone becoming trapped, immediately stop the adjustment process by:

- ▶ a) Tapping the warning message on the central display.
or
 - ▶ b) Pressing a position button of the memory function or a seat adjustment switch in the driver's door.
- The adjustment process is stopped.





Multimedia system:

➡  ► Comfort ► Seat ► Position seat automatically

MANUALLY ADJUSTING DRIVER'S SEAT AND STEERING WHEEL POSITION TO BODY SIZE

The vehicle will calculate suitable driver's seat and steering wheel positions on the basis of the driver's body size and set them directly.

- ▶ **To set the unit of measurement:** select **cm** or **ft/in.**
- ▶ Set the size using the scale.
- ▶ Select **Start positioning.**

The driver's seat and steering wheel positions will be adjusted to the body size that has been set.

i You can also configure these settings via the Mercedes-Benz user account for your user profile. By synchronising the profiles in the vehicle and the Mercedes-Benz connect profiles, you can adopt these settings for your vehicle.
Further information about synchronising user profiles
(→ page 485).

i If the driver's seat and steering wheel positions calculated by the vehicle are not practical or comfortable, they can be manually adapted at any time via the control buttons.
The outside mirrors are not set via this function. Instead, they have to be set manually via the operating switches.

Resetting seat settings

Multimedia system:

➡  ► Comfort ► Seat

- ▶ Select **Reset.**
- ▶ Select  for the desired seat.
The settings for the selected seat will be reset.

Switching the seat heating on/off

⚠ WARNING

Risk of burns due to repeatedly switching on the seat heating

Repeatedly switching on the seat heating can cause the seat cushion and seat backrest padding to become very hot.

In particular, the health of persons with limited temperature sensitivity or a limited ability to react to high temperatures may be affected or they may even suffer burn-like injuries.

- ▶ Do not repeatedly switch on the seat heating.

To protect against overheating, the seat heating may be temporarily deactivated after it has been switched on repeatedly.

**! NOTE**

Damage to the seats caused by objects or documents when the seat heater is switched on

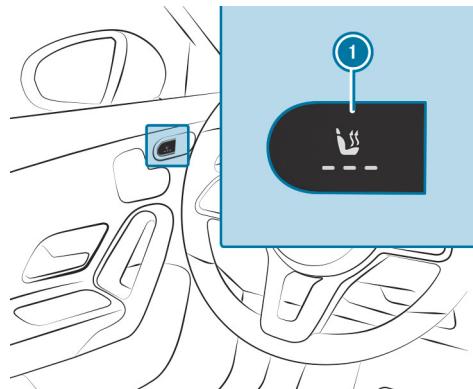
When the seat heater is switched on, overheating may occur due to objects or documents placed on the seats e.g. seat cushions or child seats. This could cause damage to the seat surface.

- ▶ Make sure that no objects or documents are on the seats when the seat heater is switched on.

- ① The seat heating will automatically switch down from the three heating levels after 8, 10 and 20 minutes until the seat heating switches off.

Requirements

- The power supply is switched on.



- ▶ Press button ① repeatedly until the desired heating level is set.

Depending on the heating level, up to three indicator lamps will light up.
If all indicator lamps are off, the seat heating is switched off.





< Steering wheel

Adjusting the steering wheel manually

⚠ WARNING

Risk of accident due to adjusting the vehicle settings while the vehicle is in motion

YOU COULD LOSE CONTROL OF THE VEHICLE IN THE FOLLOWING SITUATIONS IN PARTICULAR:

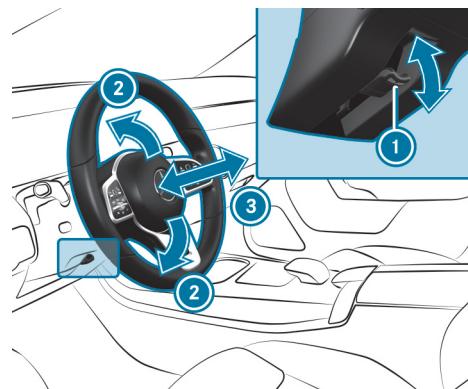
- if you adjust the driver's seat, the head restraint, the steering wheel or the mirror while the vehicle is in motion
- if you fasten your seat belt while the vehicle is in motion
- ▶ Before starting the vehicle: in particular, adjust the driver's seat, head restraint, steering wheel and mirror, and fasten your seat belt.

⚠ WARNING

Risk of entrapment for children when adjusting the steering wheel
Children could injure themselves if they adjust the steering wheel.

- ▶ Never leave children unattended in the vehicle.
- ▶ When leaving the vehicle, always take the key with you and lock the vehicle.

UNLOCKING

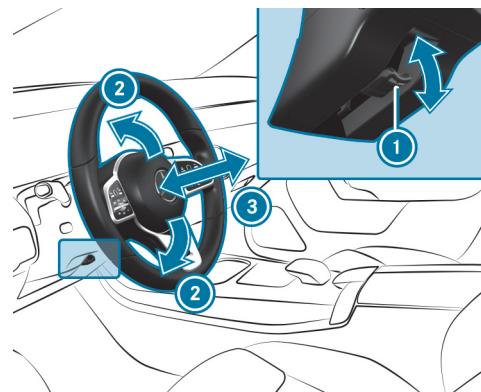


- ▶ Fold release lever 1 down as far as it will go.
- ▶ Adjust height 2 and distance 3 to the steering wheel.

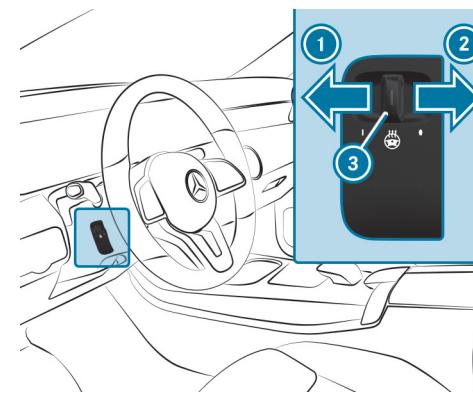




LOCKING



- ▶ Fold release lever ① up as far as it will go.
- ▶ Check and make sure that the steering column is locked by moving the steering wheel.



- ▶ **To switch on:** push the switch to position ①.
If the indicator lamp ③ lights up, the steering wheel heater is switched on.
- ▶ **To switch off:** push the switch to position ②.

When you switch the vehicle off, the steering wheel heater will switch off.

Switching the steering wheel heater on/off

Depending on the vehicle version, the steering wheel heater can be switched on/off via a switch on the steering wheel.

Requirements:

- The vehicle is switched on.





< Easy entry and exit feature

Using the easy entry and exit feature

⚠ WARNING

Risk of accident when pulling away during the adjustment process of the easy entry and exit feature

You could lose control of the vehicle.

- ▶ Always wait until the adjustment process is complete before driving off.

⚠ WARNING

Risk of becoming trapped during adjustment of the easy entry and exit feature

You and other vehicle occupants could become trapped.

- ▶ Ensure that no-one has any body parts in the range of movement of the seat.

If there is a risk of becoming trapped by the driver's seat:

- ▶ Press the seat adjustment switch.
The adjustment process will be stopped.

You can stop the adjustment process by pressing one of the memory function position switches.

⚠ WARNING

Risk of becoming trapped if children activate the easy entry and exit feature

Children could become trapped if they activate the easy entry and exit feature, particularly when unattended.

- ▶ Never leave children unattended in the vehicle.
- ▶ When leaving the vehicle, always take the key with you and lock the vehicle.

WHEN THE EASY ENTRY AND EXIT FEATURE IS ACTIVE, THE DRIVER'S SEAT WILL MOVE INTO AN IDEAL POSITION FOR GETTING IN OR OUT OF THE VEHICLE AND THE SEAT BACKREST WILL BE MOVED TO A MORE UPRIGHT POSITION IF:

- you switch off the vehicle when the driver's door is open.
- you open the driver's door when the vehicle is switched off.



The driver's seat will only move forwards or backwards if it is not already in the ideal position for getting in or out of the vehicle.





The seat backrest will then move forwards only if it is not already at the front of the backrest adjustment range.

driver's seat and steering wheel to move into the correct position automatically (→ page 482).

THE DRIVER'S SEAT WILL MOVE BACK TO THE LAST DRIVE POSITION IF:

- you switch the vehicle on when the driver's door is closed.
- you close the driver's door when the vehicle is switched on.

THE LAST DRIVE POSITION WILL BE SAVED WHEN:

- you switch off the vehicle.
- you call up the seat settings via the memory function.
- you save the seat settings via the memory function.

Setting the easy entry and exit feature

Requirements:

- The automatic seat adjustment has been activated (→ page 223).
- The power supply or the vehicle has been switched on.

Multimedia system:

▶▶  ►► Settings ►► Vehicle ►► Comfort
►► Easy entry and exit feature

SETTING THE EASY ENTRY AND EXIT FEATURE

- Select [Steering wheel and seat](#), [Steering wheel only](#) or [Off](#).

 If you are using a custom user profile, this information will be used for the easy entry and exit feature. This will cause the





< Memory function

Memory function

WARNING

Risk of an accident if the memory function is used while driving

If you use the memory function on the driver's side while driving, you could lose control of the vehicle as a result of the adjustments being made.

- ▶ Only use the memory function on the driver's side when the vehicle is stationary.

WARNING

Risk of entrapment when adjusting the seat with the memory function

When the memory function adjusts the seat, you and other vehicle occupants – particularly children – could become trapped.

- ▶ During the adjustment process of the memory function, make sure that no one has any body parts in the sweep of the seat.
- ▶ If someone becomes trapped, press a preset position button or seat adjustment switch immediately.

WARNING

Danger of entrapment when memory function is activated by children

When children activate the memory function, they can get trapped, especially if they are unsupervised.

- ▶ Never leave children unattended in the vehicle.
- ▶ When leaving the vehicle, always take the key with you and lock the vehicle.

You can use the memory function when the vehicle is switched off. Seat adjustments for up to three people can be stored and called up using the memory function.

YOU CAN SAVE SETTINGS FOR THE FOLLOWING SYSTEMS:

- Seat
- Seat contour
- Outside mirrors





Operating the memory function

⚠ WARNING

Risk of an accident if the memory function is used while driving

If you use the memory function on the driver's side while driving, you could lose control of the vehicle as a result of the adjustments being made.

- ▶ Only use the memory function on the driver's side when the vehicle is stationary.

⚠ WARNING

Risk of entrapment when adjusting the seat with the memory function

When the memory function adjusts the seat, you and other vehicle occupants – particularly children – could become trapped.

- ▶ During the adjustment process of the memory function, make sure that no one has any body parts in the sweep of the seat.
- ▶ If someone becomes trapped, press a preset position button or seat adjustment switch immediately.

⚠ WARNING

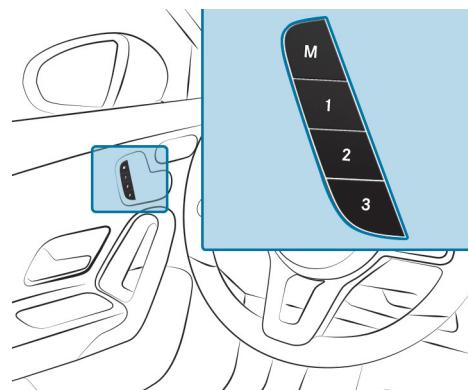
Danger of entrapment when memory function is activated by children

When children activate the memory function, they can get trapped, especially if they are unsupervised.

- ▶ Never leave children unattended in the vehicle.
- ▶ When leaving the vehicle, always take the key with you and lock the vehicle.

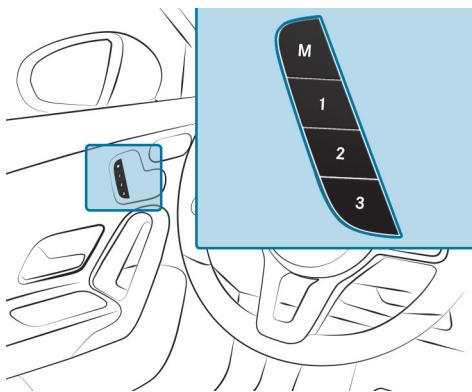
You can use the memory function when the ignition is switched off.

STORING



- ▶ Set the desired position for all systems.
- ▶ Briefly press memory button **M** and then press preset position **1**, **2** or **3** within three seconds.





- ▶ **To call up:** press and briefly hold one of preset position buttons **1**, **2** or **3**.

After releasing the button, all systems are moved into the stored position.





< Stowage areas

Notes on loading the vehicle

DANGER

Risk of exhaust gas poisoning

Combustion engines emit poisonous exhaust gases such as carbon monoxide. Exhaust gases can enter the vehicle interior if the boot lid is open when the engine is running, especially if the vehicle is in motion.

- ▶ Always switch off the engine before opening the boot lid.
- ▶ Never drive with the boot lid open.

Objects in the deployment area of an airbag may prevent the airbag from functioning correctly. Observe the notes on airbags (→ page 149).

WARNING

Risk of injury from unsecured items in the vehicle

If objects, luggage or loads are not secured or not secured sufficiently, they could slip, tip over or be thrown around and thereby hit vehicle occupants.

There is a risk of injury, particularly in the event of sudden braking or a sudden change in direction.

- ▶ Always stow objects in such a way that they cannot be thrown around.
- ▶ Before the journey, secure objects, luggage or loads against slipping or tipping over.



**⚠ WARNING**

Risk of injury due to objects being stowed incorrectly

If objects in the vehicle interior are stowed incorrectly, they can slide or be thrown around and hit vehicle occupants. In addition, cup holders, open stowage spaces and mobile phone brackets cannot always retain all objects they contain.

There is a risk of injury, particularly in the event of sudden braking or a sudden change in direction.

- ▶ Always stow objects in such a way that they cannot be thrown around in such situations.
- ▶ Always make sure that objects do not protrude from stowage spaces, luggage nets or stowage nets.
- ▶ Close the lockable stowage spaces before starting a journey.
- ▶ Always stow and secure heavy, hard, pointed, sharp-edged, fragile or bulky objects in the boot.

⚠ WARNING

Risk of accident due to objects in the driver's and front-passenger footwell

Objects in the driver's and front-passenger footwell may impede pedal travel or block a depressed pedal.

This jeopardises the operating- and road safety of the vehicle.

- ▶ Stow all objects in the vehicle securely so that they cannot get into the driver's or front-passenger footwell.
- ▶ Always ensure that the pedals have sufficient free space.
- ▶ Always fit the floor mats securely and as prescribed.
- ▶ Do not use loose floor mats and do not place floor mats on top of one another.

Vehicles with automatic front passenger airbag shutoff: Objects trapped under the front passenger seat may interfere with the function of the automatic front passenger airbag shut-off or damage the system. Therefore please observe the notes on the function of automatic front passenger airbag shutoff (→ page 136).



**! NOTE**

Damage to the vehicle caused by spilled liquids

If liquids are spilled in the vehicle, parts of the vehicle may be damaged.

- ▶ Always securely close containers containing liquids that you have brought with you.
- ▶ Clean the vehicle as soon as possible if liquids are spilled.
- ▶ If larger quantities of liquids are spilled, have the vehicle checked in a qualified specialist workshop.

! WARNING

Risk of burns from the tailpipe and tailpipe trims

The exhaust tailpipe and tailpipe trims can become very hot. If you come into contact with these parts of the vehicle, you could burn yourself.

- ▶ Always be particularly careful around the tailpipe and the tailpipe trims and supervise children especially closely in this area.
- ▶ Allow vehicle parts to cool down before touching them.

(i) Leather is a natural product. It has natural surface characteristics, such as differences in structure, marks caused by growth and injury or subtle colour differences. These surface characteristics are particular to leather, and are not material defects.

Leather is also subject to a natural ageing process, which changes the surface characteristics.

THE HANDLING CHARACTERISTICS OF YOUR VEHICLE ARE DEPENDENT ON THE DISTRIBUTION OF THE LOAD WITHIN THE VEHICLE. YOU SHOULD BEAR THE FOLLOWING IN MIND WHEN LOADING THE VEHICLE:

- Never allow the payload including occupants to exceed the maximum permissible gross mass or the permissible axle loads for the vehicle. These are shown on the vehicle identification plate (→ page 749).
- The load must not protrude above the upper edge of the seat backrests.
- Always place the load behind unoccupied seats if possible.
- Secure the load using the tie-down eyes and distribute the tension evenly.

NOTES ON DRIVING WITH ROOF LOAD

- Distribute the roof load and vehicle load evenly, and place heavy objects at the bottom. Also observe the notes on loading the vehicle.
- Drive with care. Avoid sudden starting, braking and steering manoeuvres or fast cornering.
- When carrying a roof load or when the vehicle is fully loaded or occupied, select drive program **[E]** or **[C]**. These are configured for good stability (→ page 310).

(i) Further information on storage compartments and stowage facilities can be found in the Digital Owner's Manual.





Stowage spaces in the vehicle interior

OVERVIEW OF THE FRONT STORAGE COMPARTMENTS

⚠ WARNING

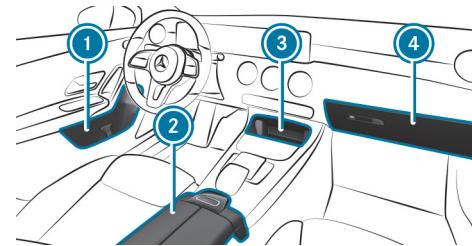
Risk of injury due to objects being stowed incorrectly

If objects in the vehicle interior are stowed incorrectly, they can slide or be thrown around and hit vehicle occupants. In addition, cup holders, open stowage spaces and mobile phone receptacles cannot always retain all objects within.

There is a risk of injury, particularly in the event of sudden braking or a sudden change in direction.

- ▶ Always stow objects so that they cannot be thrown around in such situations.
- ▶ Always make sure that objects do not protrude from stowage spaces, luggage nets or stowage nets.
- ▶ Close the lockable stowage spaces before starting a journey.
- ▶ Always stow and secure heavy, hard, pointed, sharp-edged, fragile or bulky objects in the boot/load compartment.

Observe the notes on loading the vehicle.



① Stowage spaces in the doors

② Storage compartment in the armrest with a multimedia and USB connection

③ Storage compartment in the front centre console with a USB port

④ Glove compartment





OPENING THE STOWAGE COMPARTMENT FOR CUSTOMER DOCUMENTS IN THE GLOVE COMPARTMENT

⚠ WARNING

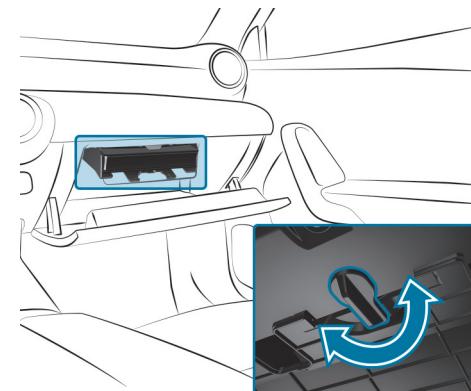
Risk of injury due to objects being stowed incorrectly

If objects in the vehicle interior are stowed incorrectly, they can slide or be thrown around and hit vehicle occupants. In addition, cup holders, open stowage spaces and mobile phone brackets cannot always retain all objects they contain.

There is a risk of injury, particularly in the event of sudden braking or a sudden change in direction.

- ▶ Always stow objects in such a way that they cannot be thrown around in such situations.
- ▶ Always make sure that objects do not protrude from stowage spaces, luggage nets or stowage nets.
- ▶ Close the lockable stowage spaces before starting a journey.
- ▶ Always stow and secure heavy, hard, pointed, sharp-edged, fragile or bulky objects in the boot.

Observe the notes on loading the vehicle.



- ▶ **To open:** turn the handle to the left or right.





Through-loading feature in the rear bench seat (EASY-PACK Quickfold)

FOLDING THE REAR SEAT BACKREST FORWARDS

WARNING

Risk of accident if the rear bench seat, rear seat and seat backrest are not engaged

The rear bench seat, rear seat and seat backrest may fold forwards, even while the vehicle is in motion.

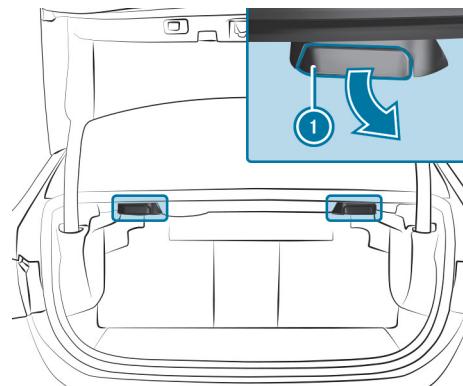
- As a result, the vehicle occupant will be pressed into the seat belt with increased force. The seat belt will not be able to protect as intended and could cause additional injury.
- Objects or loads in the boot or load compartment cannot be restrained by the seat backrest.
- ▶ Make sure that the rear bench seat, the rear seat and the seat backrest are engaged before every trip.

If the seat backrests are not engaged and locked in place, the lock verification indicator will be red.

Requirements

- To fold the centre seat backrest forwards: the centre seat backrest has been unlocked.

You can fold the centre and outer seat backrests forwards separately.

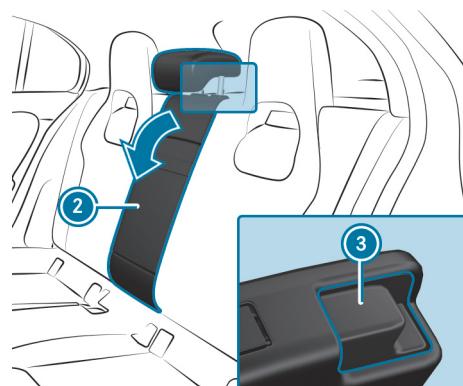


Vehicles with a memory function: if necessary, when the seat backrest in the rear is folded forward, the front seat will move forwards slightly to avoid a collision.

- ▶ If necessary, fully insert the head restraints in the rear seat backrest.

The release handles are located beneath the rear shelf.

- ▶ **To fold the left and right seat backrests forward:** pull right or left release handle (1) and fold the corresponding seat backrest forwards.





- ▶ **To fold the centre seat backrest forwards:** pull release catch ③ of seat backrest ② forwards.
- ▶ Fold seat backrest ② forwards.
- ▶ If necessary, reset the driver's or front passenger seat.

FOLDING BACK THE REAR SEAT BACKREST

⚠ WARNING

Risk of becoming trapped when adjusting the seats

When you adjust a seat, you may trap yourself or a vehicle occupant.

- ▶ When adjusting a seat, make sure that no one has any body parts in the sweep of the seat.

⚠ WARNING

Risk of accident if the rear bench seat, rear seat and seat backrest are not engaged

The rear bench seat, rear seat and seat backrest may fold forwards, even while the vehicle is in motion.

- As a result, the vehicle occupant will be pressed into the seat belt with increased force. The seat belt will not be able to protect as intended and could cause additional injury.
- Objects or loads in the boot or load compartment cannot be restrained by the seat backrest.
- ▶ Make sure that the rear bench seat, the rear seat and the seat backrest are engaged before every trip.

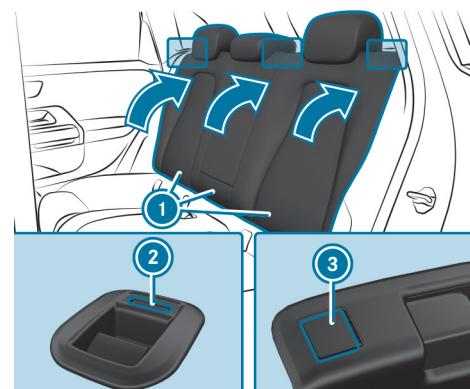
If the seat backrests are not engaged and locked in place, the red lock verification indicator will be visible.

! NOTE

Damage caused by trapping the seat belt when folding back the seat backrest

The seat belt could become trapped and thus be damaged when the seat backrest is folded back.

- ▶ Make sure that the seat belt is not trapped when folding back the seat backrest.
- ▶ Move the driver's or front passenger seat forwards, if necessary.



- ▶ Fold corresponding seat backrest ① back until it engages.

Left and right seat backrests: if the seat backrest is not engaged and locked in place, red lock verification indicator ② will be visible.

Centre seat backrest: if the seat backrest is not engaged and locked in place, red lock verification indicator ③ will be visible.





LOCKING THE RELEASE CATCH OF THE CENTRE REAR SEAT BACKREST

⚠ WARNING

Risk of accident if the rear bench seat, rear seat and seat backrest are not engaged

The rear bench seat, rear seat and seat backrest may fold forwards, even while the vehicle is in motion.

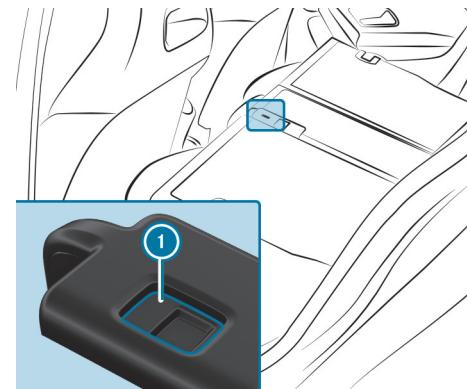
- As a result, the vehicle occupant will be pressed into the seat belt with increased force. The seat belt will not be able to protect as intended and could cause additional injury.
- Objects or loads in the boot or load compartment cannot be restrained by the seat backrest.
- ▶ Make sure that the rear bench seat, the rear seat and the seat backrest are engaged before every trip.

If the seat backrests are not engaged and locked in place, the lock verification indicator will be red.

Requirements

- The left and centre seat backrests are engaged and joined together.

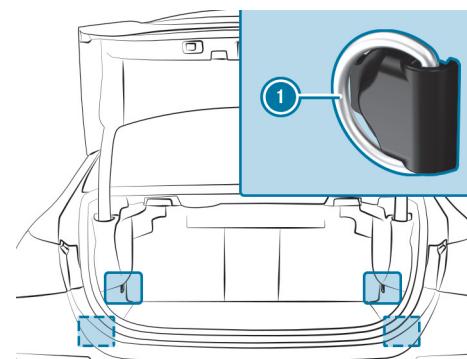
You can lock the centre seat backrest release catch if you want to secure the boot against unauthorised access. The centre seat backrest can then be folded forwards only together with the left seat backrest.



- ▶ Fold the centre and left seat backrests forwards.
- ▶ **To lock or unlock:** slide catch ① upwards or downwards.

Overview of the tie-down eyes

Observe the notes on loading the vehicle (→ page 233).

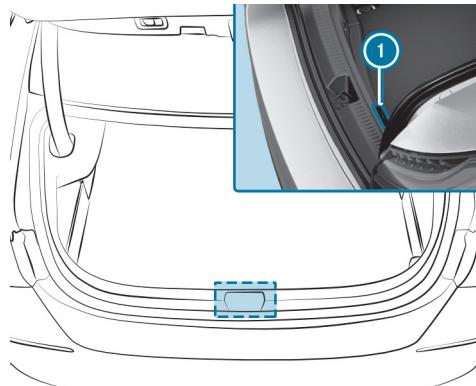


- ① Tie-down eyes (vehicles with through-loading feature in the rear bench seat)





Opening and closing the stowage space under the boot floor



- ▶ **To open:** lift the boot floor at recess ① and swing it upwards.
- ▶ **To close:** fold the boot floor downwards.

You will find information on the maximum roof load in the "Technical data" section.

! NOTE

Vehicle damage due to failure to observe the maximum permissible clearance height

If the vehicle height exceeds the maximum permissible clearance height, the roof and other vehicle parts may be damaged.

- ▶ Please observe the indicated maximum clearance height.
- ▶ If the vehicle exceeds the permissible clearance height, do not drive in.
- ▶ Take the modified vehicle height in the case of roof superstructures or other carrier systems into account.

Attaching a roof luggage rack

⚠ WARNING

Risk of accident due to exceeding the maximum roof load

The vehicle centre of gravity and the usual driving characteristics as well as the steering and braking characteristics alter.

If you exceed the maximum roof load, the driving characteristics, as well as steering and braking, will be greatly impaired.

- ▶ Never exceed the maximum roof load and adjust your driving style.

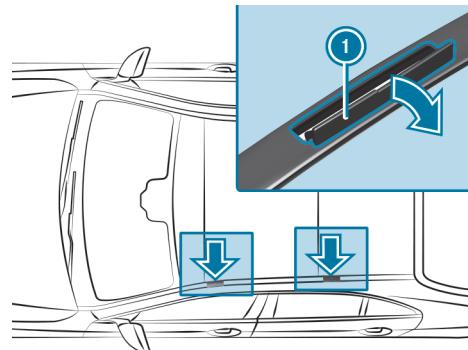


**! NOTE**

Vehicle damage from non-approved roof luggage racks

The vehicle could be damaged by roof luggage racks that have not been tested and approved for Mercedes-Benz.

- ▶ Use only roof luggage racks tested and approved for Mercedes-Benz.
- ▶ Depending on the vehicle equipment, ensure that the sliding sunroof can be fully raised when the roof luggage rack is fitted.
- ▶ Depending on the vehicle equipment, ensure that the boot lid can be fully opened when the roof luggage rack is fitted.
- ▶ Position the load on the roof luggage rack in such a way that the vehicle will not sustain damage even when it is in motion.

**! NOTE**

Damage to the covers

The covers may be damaged and scratched when being opened.

- ▶ Do not use metallic or hard objects.

! NOTE

Damage to the panorama sliding sunroof due to non-approved roof luggage racks

The panorama sliding sunroof may be damaged by the roof luggage rack if you attempt to open it when using a roof luggage rack not tested and approved for Mercedes-Benz.

- ▶ When a roof luggage rack is fitted, open the panorama sliding sunroof only if this has been tested and approved for Mercedes-Benz.

The panorama sliding sunroof may be raised to allow ventilation of the vehicle interior.

- ▶ Fold covers ① carefully upwards in the direction of the arrow.
- ▶ Secure the roof luggage rack to the fastening points beneath covers ①.
- ▶ Comply with the installation instructions of the roof luggage rack manufacturer.
- ▶ Secure the load on the roof luggage rack.





< Cup holders

Fitting the cup holder in or removing it from the centre console

⚠ WARNING

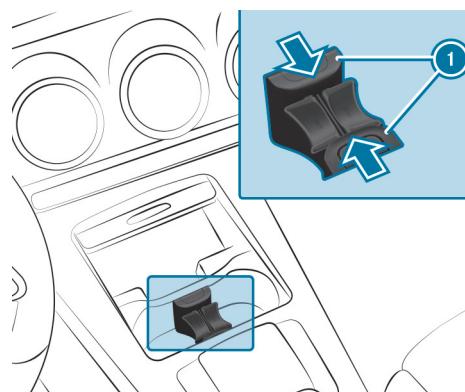
- Risk of accident or injury when using the cup holder while the vehicle is in motion

The cup holder cannot hold a container secure while the vehicle is in motion.

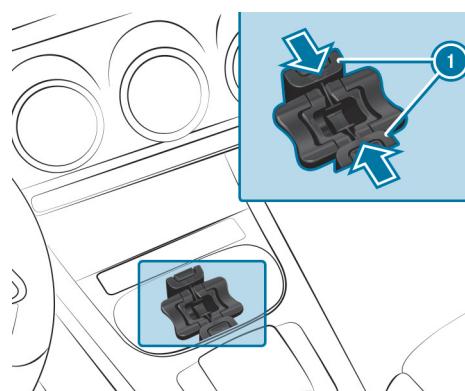
If you use a cup holder while the vehicle is in motion, the container may be flung around and liquids could be spilled. The vehicle occupants may come into contact with the liquid and if it is hot, they could be scalded. You could be distracted from traffic conditions and you may lose control of the vehicle.

- ▶ Only use the cup holder when the vehicle is stationary.
- ▶ Only use the cup holder for containers of the right size.
- ▶ Always close the container, particularly if the liquid is hot.

REMOVING



Cup holder in the stowage compartment with cover



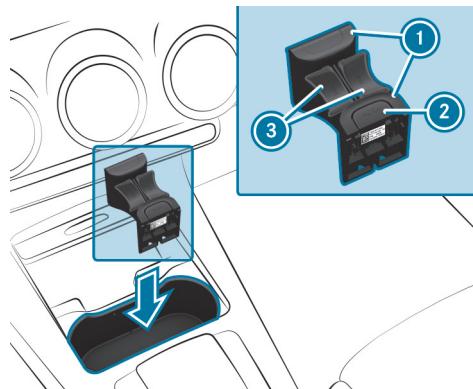
Cup holder in the stowage compartment without cover



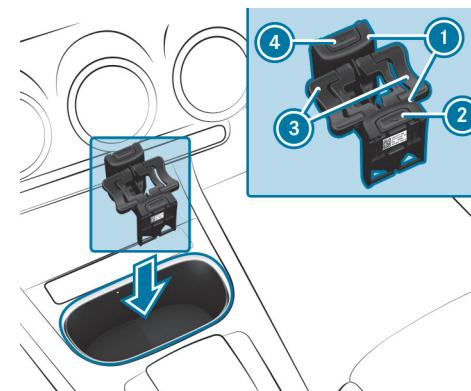


- ▶ Slide snap-in brackets ① of the cup holder inwards until they are unlocked.
- ▶ Pull the cup holder up and out of the stowage compartment.

i The cup holder and the rubber mat underneath it can be removed for cleaning, e.g. with clean, lukewarm water.



Cup holder in the stowage compartment with cover



Cup holder in the stowage compartment without cover

FITTING

- ▶ Open the cover of marked space if necessary.
- ▶ Insert the cup holder, as shown, into the stowage compartment with the imprint facing the vehicle interior.
- ▶ Slide the cup holder onto the bars in the stowage compartment.
- ▶ Slide snap-in brackets ① outwards until they engage.
- ▶ Cup holder in the stowage compartment with cover: press button ②.
- ▶ Cup holder in the stowage compartment without cover: press button ③ and/or ④.
Wings ③ will fold upwards.

i The cup holder wings can be folded downwards and locked. The cup holder's holding function will then not be available.





Opening or closing the cup holders in the rear armrest

⚠ WARNING

- Risk of accident or injury when using the cup holder while the vehicle is in motion

The cup holder cannot hold a container secure while the vehicle is in motion.

If you use a cup holder while the vehicle is in motion, the container may be flung around and liquids could be spilled. The vehicle occupants may come into contact with the liquid and if it is hot, they could be scalded. You could be distracted from traffic conditions and you may lose control of the vehicle.

- ▶ Only use the cup holder when the vehicle is stationary.
- ▶ Only use the cup holder for containers of the right size.
- ▶ Always close the container, particularly if the liquid is hot.

! NOTE

Damage to the rear armrest due to body weight

When folded out, the rear armrest can be damaged by body weight.

- ▶ Do not sit or support yourself on the rear seat armrest.

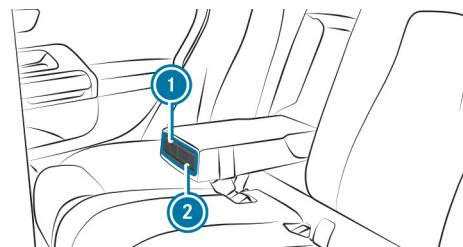
! NOTE

Damage to the cup holder

The cup holder can be damaged when folding back the rear seat armrest. When open, the cup holder can be damaged by body weight.

- ▶ The rear seat armrest can only be folded back when the cup holder is closed.
- ▶ Do not sit or support yourself on the cup holder when it is open.

- i** Depending on its equipment, your vehicle will have a rear armrest with a cup holder.



- ▶ **To open:** press cup holder ① or ②. Cup holder ① or ② will extend automatically.
- ▶ **To close:** push cup holder ① or ② back until it engages.





< Sockets

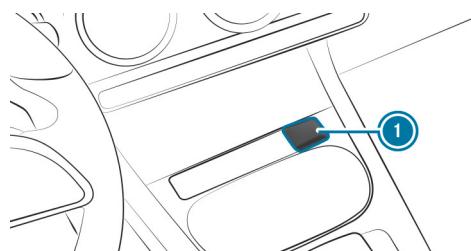
Using the 12 V socket

Requirements:

- Only devices up to a maximum of 180 W (15 A) are permissible.

DEPENDING ON THE VEHICLE EQUIPMENT, THE VEHICLE HAS THE FOLLOWING 12 V SOCKETS:

- In the storage compartment in the front centre console
- In the boot



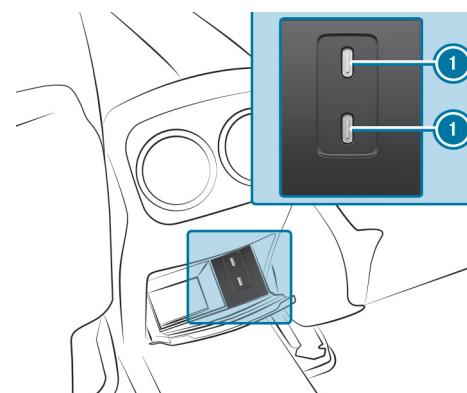
Example: 12 V socket in the storage compartment in the front centre console

- Fold up cover ① of the socket.
- Insert the plug of the device.

12 V socket in the storage compartment with cover: if you have connected a device to the 12 V socket, leave the cover of the storage compartment open.

USB port in the rear passenger compartment

- i** Depending on the vehicle equipment, the design of the stowage compartment and the number of USB ports in the rear centre console may vary.



When the vehicle is switched on, you can charge a USB device, such as a mobile phone, at USB port ① using a suitable charging cable.



< Charging a mobile phone wirelessly

⚠ WARNING

Risk of injury due to objects being stowed incorrectly

If objects in the vehicle interior are stowed incorrectly, they can slide or be thrown around and hit vehicle occupants. In addition, cup holders, open stowage spaces and mobile phone receptacles cannot always retain all objects within.

There is a risk of injury, particularly in the event of sudden braking or a sudden change in direction.

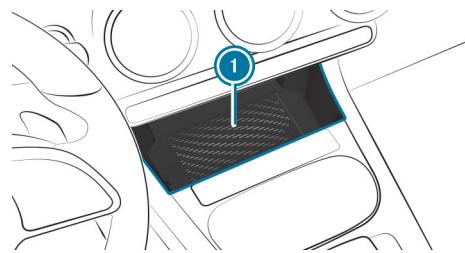
- ▶ Always stow objects so that they cannot be thrown around in such situations.
- ▶ Always make sure that objects do not protrude from stowage spaces, luggage nets or stowage nets.
- ▶ Close the lockable stowage spaces before starting a journey.
- ▶ Always stow and secure heavy, hard, pointed, sharp-edged, fragile or bulky objects in the boot/load compartment.

Observe the notes on loading the vehicle.

Requirements

- The mobile phone is suitable for wireless charging.

A list of compatible mobile phones can be found at: <https://www.mercedes-benz-mobile.com>.



- ▶ Place the mobile phone as close to the centre of the marked surface on mat ① as possible with the display facing upwards.

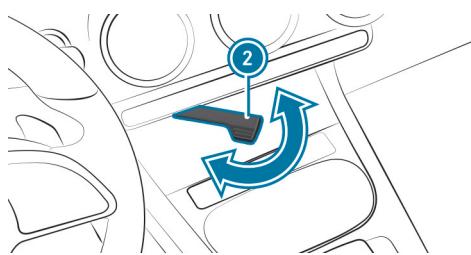
When a message is shown in the multimedia system, the mobile phone is being charged.

Malfunctions during the charging process are shown in the central display.

- ⓘ The mat can be removed for cleaning, e.g. using clean, lukewarm water.

STOWAGE COMPARTMENT WITHOUT COVER

Make sure the mobile phone is properly stored and secured to prevent it from falling out while you are driving.



- ▶ **To secure the mobile phone:** swing lever ② out.





< Fitting/removing the floor mats

⚠ WARNING

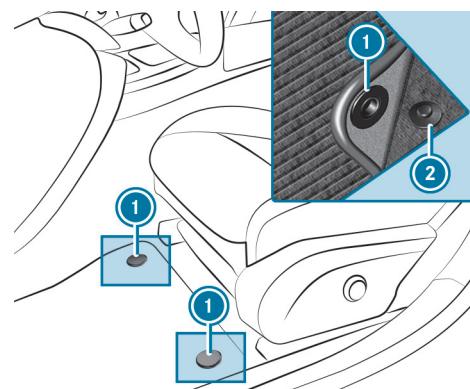
Risk of accident due to objects in the driver's footwell

Objects in the driver's footwell may impede pedal travel or block a depressed pedal.

This will jeopardise the operating and road safety of the vehicle.

- ▶ Stow all objects in the vehicle securely so that they cannot get into the driver's footwell.
- ▶ Make sure that there is always sufficient clearance for the pedals.
- ▶ Always fit the floor mats securely and as prescribed.
- ▶ Do not use loose floor mats and do not place floor mats on top of one another.

FITTING FLOOR MATS



- ▶ Slide the corresponding seat backwards and lay the floor mat in the footwell.
- ▶ Press studs ① onto holders ②.
- ▶ Adjust the corresponding seat.

REMOVING FLOOR MATS

- ▶ Pull the floor mat off holders ②.
- ▶ Remove the floor mat.





< Light and sight

This interactive PDF works like a website – tap or click a button to jump straight to where you want to go.

You can return here at any time via the navigation bar at the top left.

Exterior lighting



Interior lighting



Changing bulbs (only for vehicles with halogen headlamps)



Windscreen wipers and windscreen washer system



Mirrors





< Exterior lighting

Notes on adjusting the lights when driving abroad

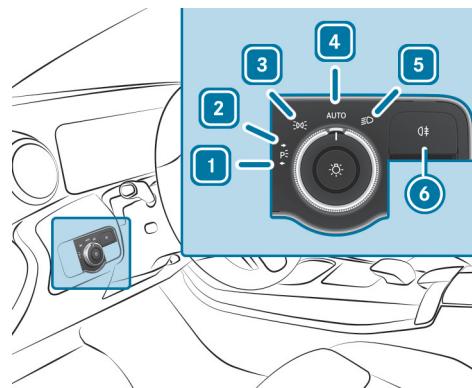
It is not necessary to adjust the headlamps. The legal requirements are also met in countries in which traffic drives on the other side of the road.

Information about lighting systems and your responsibility

The various lighting systems of the vehicle are only aids. The driver of the vehicle is responsible for correct vehicle illumination in accordance with the prevailing light and visibility conditions, legal requirements and traffic situation.

Light switch

OPERATING THE LIGHT SWITCH



- 1 Left-hand parking lights
- 2 Right-hand parking lights
- 3 Standing lights and licence plate lighting
- 4 Automatic driving lights (preferred light switch position)
- 5 Low beam/high beam
- 6 Activates or deactivates the rear fog light.

When low beam is activated, the indicator lamp for the standing lights will be deactivated and replaced by the low-beam indicator lamp.

- Always park your vehicle safely using sufficient lighting, in accordance with the relevant legal stipulations.


! **NOTE**

Battery discharging by operating the standing lights

Do not have the standing lights switched on over a period of several hours.

For vehicles that are wider than 2 m or longer than 6 m, single-sided parking lighting is not permitted in some countries. In this case, the standing lights are also switched on in the parking lights position.

If the battery is insufficiently charged, the standing lights or parking lights will be switched off automatically to facilitate the next engine start.

THE EXTERIOR LIGHTING (EXCEPT STANDING AND PARKING LIGHTS) WILL SWITCH OFF AUTOMATICALLY WHEN THE DRIVER'S DOOR IS OPENED.

- Observe the notes on locator lighting (→ page 259).

AUTOMATIC DRIVING LIGHTS FUNCTION

When the vehicle is switched on, the standing lights, low beam and daytime running lights will be switched on automatically depending on the light conditions.

! **WARNING**

Risk of accident when the dipped beam is switched off in poor visibility

When the light switch is set to **AUTO**, the dipped beam may not be switched on automatically if there is fog, snow or other causes of poor visibility such as spray.

- In such cases, turn the light switch to **✉**.

The automatic driving lights are only an aid. You are responsible for the vehicle lighting.

SWITCHING THE REAR FOG LIGHT ON/OFF

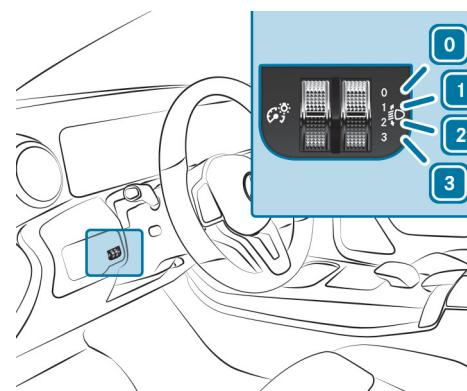
Requirements

- The light switch is in the **✉** or **AUTO** position.
- Press button **0\$**.

Please observe the country-specific laws on the use of rear fog lamps.

REGULATING HEADLAMP RANGE (HALOGEN HEADLAMPS)

The headlamp range adjuster allows you to adjust the cone of light from the headlamps in relation to the vehicle's load condition.

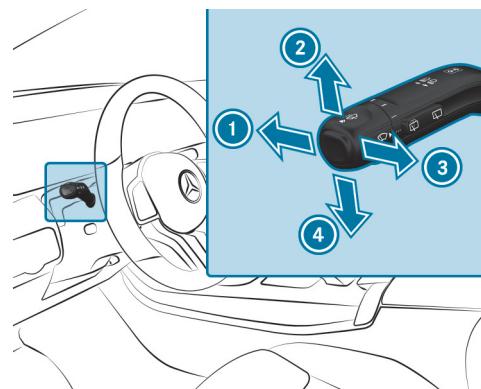


- 0** Driver's seat and front passenger seat occupied
- 1** Driver's seat, front passenger seat and rear seats occupied
- 2** Driver's seat, front passenger seat and rear seats occupied, boot laden
- 3** Driver's seat and front passenger seat occupied and maximum permissible rear axle load utilised



- ▶ Turn the headlamp range adjuster to the position that corresponds to the load condition of your vehicle.

Operating the combination switch for the lights



- ① High beam
- ② Turn signal light, right
- ③ Headlamp flashing
- ④ Turn signal light, left

- ▶ Use the combination switch to select the desired function.

SWITCHES ON HIGH BEAM

- ▶ Turn the light switch to the or **AUTO** position.
 - ▶ Push the combination switch in the direction of arrow ①.
- When high beam is activated, the indicator lamp for low beam will be deactivated and replaced by the indicator lamp for high beam .

SWITCHING OFF HIGH BEAM

- ▶ Push the combination switch in the direction of arrow ① or pull it in the direction of arrow ③.

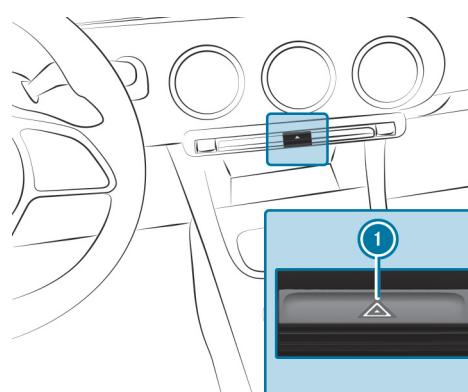
HEADLAMP FLASHING

- ▶ Pull the combination switch in the direction of arrow ③.

TURN SIGNAL LIGHTS

- ▶ **To indicate briefly:** push the combination switch briefly to the point of resistance in the direction of arrow ② or ④.
The corresponding turn signal light will flash three times.
- ▶ **To indicate permanently:** push the combination switch beyond the point of resistance in the direction of arrow ② or ④.

Activating/deactivating the hazard warning lights



- ▶ Press button ①.





THE HAZARD WARNING LIGHTS WILL SWITCH ON AUTOMATICALLY IF:

- the airbag has been deployed.
- the vehicle brakes are applied heavily from a speed of more than 70 km/h to a standstill.
- an emergency stop has been initiated (→ page 391)

When you pull away again, the hazard warning light system will switch off automatically at approximately 10 km/h. You can also switch off the hazard warning light system using button ①.

Adaptive functions, MULTIBEAM LED

FUNCTION OF DYNAMIC LOW BEAM

You can watch an animation on this topic via the following link:

The MULTIBEAM LED headlamps adapt to the weather and the situation on the road and provide advanced functions for improving the illumination of the road.

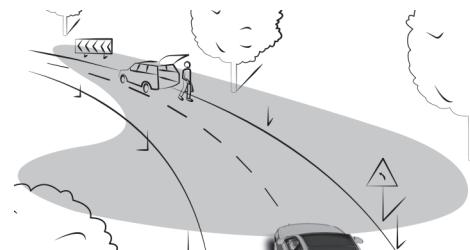
THE SYSTEM COMPRISSES THE FOLLOWING FUNCTIONS:

- Active headlamps (→ page 254)
- Cornering light (→ page 254)
- Motorway mode (→ page 255)
- City lighting (→ page 255)

SYSTEM LIMITS

- The system will be active only when it is dark.

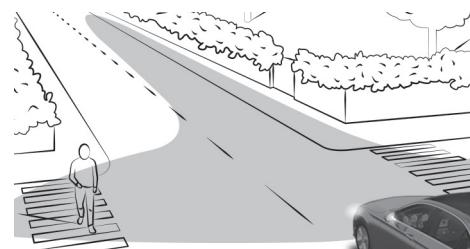
ACTIVE HEADLAMPS FUNCTION



- The headlamps follow the steering movements.
- Relevant areas are better illuminated during a journey.

The functions will be active when high beam is switched on.

CORNERING LIGHT FUNCTION



The cornering light improves the illumination of the carriageway over a wide angle in the turning direction, enabling better visibility on tight bends, for example. The cornering light will be activated only when low beam is switched on.

THE FUNCTION WILL BE ACTIVE IN THE FOLLOWING CASES:

- At speeds below 40 km/h when the turn signal light is switched on or the steering wheel is turned





- At speeds between 40 km/h and 70 km/h and when the steering wheel is turned

Roundabout and junction function: the cornering light will be activated on both sides based on an evaluation of the vehicle's current navigation position. It will remain active until after the vehicle has left the roundabout or junction.

MOTORWAY MODE FUNCTION

Motorway mode increases the range and brightness of the cone of light, enabling better visibility.



THE FUNCTION WILL BE ACTIVE IF A MOTORWAY JOURNEY IS DETECTED BY MEANS OF:

- the vehicle's speed
- the multifunction camera
- the GPS

THE FUNCTION WILL NOT BE ACTIVE IN THE FOLLOWING CASES:

- at speeds below 80 km/h

THE CITY LIGHTING FUNCTION

City lighting improves the illumination of roadsides in urban areas using a broad distribution of light.

THE FUNCTION WILL BE ACTIVE IN THE FOLLOWING CASES:

- At low speeds
- In illuminated parts of urban areas

ACTIVATING/DEACTIVATING DYNAMIC LOW BEAM

Requirements:

- The vehicle is switched on.

Multimedia system:

- ▶ ➡ ➡ Settings ➡ Lights ➡ MULTIBEAM LED
▶ Activate or deactivate [Dynamic low beam](#).





Adaptive Highbeam Assist

ADAPTIVE HIGHBEAM ASSIST FUNCTION

⚠ WARNING

Risk of accident despite Adaptive Highbeam Assist

ADAPTIVE HIGHBEAM ASSIST DOES NOT REACT TO:

- road users without lights, e.g. pedestrians
- road users with poor lighting, e.g. cyclists
- road users whose lighting is obstructed, e.g. by a barrier

On very rare occasions, Adaptive Highbeam Assist may fail to recognise other road users with their own lighting, or may recognise them too late.

In these, or in similar situations, the automatic high beam will not be deactivated or will be activated despite the presence of other road users.

- ▶ Always observe the road and traffic conditions carefully and switch off the high beam in good time.

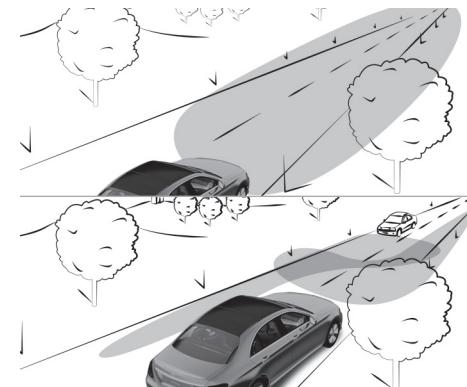
Adaptive Highbeam Assist cannot take into account road, weather or traffic conditions.

DETECTION MAY BE RESTRICTED IN THE FOLLOWING CASES:

- In poor visibility (e.g. fog, heavy rain or snow)
- If there is dirt on the sensors or the sensors are obscured

Adaptive Highbeam Assist is only an aid. You are responsible for adjusting the vehicle's lighting to the prevailing light, visibility and traffic conditions.

Adaptive Highbeam Assist is a Digital Extra (→ page 109).



ADAPTIVE HIGHBEAM ASSIST AUTOMATICALLY SWITCHES BETWEEN THE FOLLOWING TYPES OF LIGHT:

- Low beam
- Main beam

AT SPEEDS ABOVE 30 KM/H:

- If no other road users are detected, main beam will switch on automatically.

MAIN BEAM WILL SWITCH OFF AUTOMATICALLY IN THE FOLLOWING CASES:

- At speeds below 25 km/h
- If other road users are detected
- If street lighting is sufficient



- ⓘ The system's optical sensor is located behind the windscreen near the overhead control panel.

SWITCHING ADAPTIVE HIGHBEAM ASSIST ON/OFF

⚠ WARNING

Risk of accident despite Adaptive Highbeam Assist

ADAPTIVE HIGHBEAM ASSIST DOES NOT REACT TO:

- road users without lights, e.g. pedestrians
- road users with poor lighting, e.g. cyclists
- road users whose lighting is obstructed, e.g. by a barrier

On very rare occasions, Adaptive Highbeam Assist may fail to recognise other road users with their own lighting, or may recognise them too late.

In these, or in similar situations, the automatic high beam will not be deactivated or will be activated despite the presence of other road users.

- ▶ Always observe the road and traffic conditions carefully and switch off the high beam in good time.

SWITCHING ON

- ▶ Turn the light switch to the **AUTO** position.
- ▶ Switch on high beam using the combination switch.
If Adaptive Highbeam Assist is activated, the  indicator lamp will light up on the driver's display.

SWITCHING OFF

- ▶ Switch off high beam using the combination switch.

Adaptive Highbeam Assist Plus

ADAPTIVE HIGHBEAM ASSIST PLUS FUNCTION

⚠ WARNING

Risk of accident despite Adaptive Highbeam Assist Plus

ADAPTIVE HIGHBEAM ASSIST PLUS DOES NOT REACT TO:

- road users without lights, e.g. pedestrians
- road users with poor lighting, e.g. cyclists
- road users whose lighting is obstructed, e.g. by a barrier

On very rare occasions, Adaptive Highbeam Assist Plus may fail to recognise other road users with their own lighting, or may recognise them too late.

In these, or in similar situations, the automatic high beam will not be deactivated or will be activated despite the presence of other road users.

- ▶ Always observe the road and traffic conditions carefully and switch off the high beam in good time.

Adaptive Highbeam Assist Plus cannot take into account road, weather or traffic conditions.

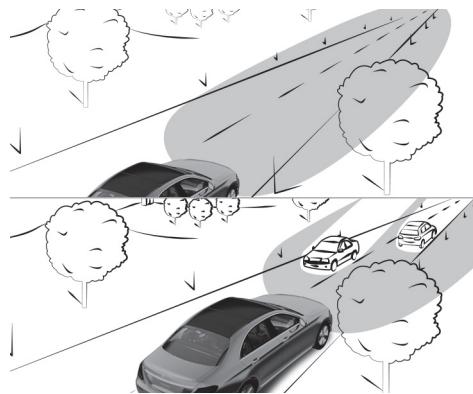
DETECTION MAY BE RESTRICTED IN THE FOLLOWING CASES:

- In poor visibility (e.g. fog, heavy rain or snow)



- if there is dirt on the sensors or the sensors are obscured

Adaptive Highbeam Assist Plus is only an aid. You are responsible for adjusting the vehicle's lighting to the prevailing light, visibility and traffic conditions.



ADAPTIVE HIGHBEAM ASSIST PLUS SWITCHES AUTOMATICALLY BETWEEN THE FOLLOWING LIGHT TYPES:

- Low beam
- Partial high beam
- High beam
- ULTRA RANGE Highbeam

ULTRA RANGE Highbeam increases the brightness of the cone of light close to the legally permitted maximum.

Partial high beam uses the high beam to shine past other road users rather than dazzling them. The low beam illumination area covers the vehicle in front.

AT SPEEDS ABOVE 30 KM/H:

- If no other road users are detected, high beam will switch on automatically.
- If other road users are detected, partial high beam will be switched on automatically.

AT SPEEDS BELOW 25 KM/H OR WHEN THERE IS SUFFICIENT STREET LIGHTING:

- High beam will switch off automatically.
- Partial high beam will switch off automatically.

AT SPEEDS BELOW 40 KM/H:

- ULTRA RANGE Highbeam will switch off automatically.

AT SPEEDS ABOVE 50 KM/H:

- If no other road users are detected, the road is straight and it is not raining heavily, ULTRA RANGE Highbeam will be switched on automatically.
- If other road users are detected, ULTRA RANGE Highbeam will automatically switch off and partial high beam will switch on.
- If highly reflective signs are detected, ULTRA RANGE Highbeam will be switched off automatically.

i The system's optical sensor is located behind the windscreen near the overhead control panel.





SWITCHING ADAPTIVE HIGHBEAM ASSIST PLUS ON/OFF

WARNING

Risk of accident despite Adaptive Highbeam Assist Plus

ADAPTIVE HIGHBEAM ASSIST PLUS DOES NOT REACT TO:

- road users without lights, e.g. pedestrians
- road users with poor lighting, e.g. cyclists
- road users whose lighting is obstructed, e.g. by a barrier

On very rare occasions, Adaptive Highbeam Assist Plus may fail to recognise other road users with their own lighting, or may recognise them too late.

In these, or in similar situations, the automatic high beam will not be deactivated or will be activated despite the presence of other road users.

- ▶ Always observe the road and traffic conditions carefully and switch off the high beam in good time.

SWITCHING ON

- ▶ Turn the light switch to the **AUTO** position.
- ▶ Switch on high beam using the combination switch.
When the high beam is switched on automatically in the dark, the  indicator lamp will light up on the driver's display.

SWITCHING OFF

- ▶ Switch off high beam using the combination switch.

Setting the exterior lighting switch-off delay time

Multimedia system:

  ► Settings ► Lights ► Interior/exterior lighting
► [Exterior lighting switch-off delay](#)

- ▶ Set a switch-off delay time.

After parking and locking the vehicle, the exterior lighting will be activated for the set time.

Activating/deactivating locator lighting

Multimedia system:

  ► Settings ► Lights ► Interior/exterior lighting
▶ [Activate or deactivate Locator lighting.](#)

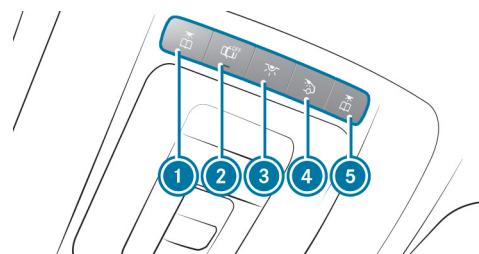
When the function is activated, the exterior lighting will light up for 40 seconds after the vehicle is unlocked or the driver's door is opened when the vehicle is parked and not locked. When you start the vehicle, the locator lighting will be deactivated and the automatic driving lights activated.



< Interior lighting

Adjusting the interior lighting

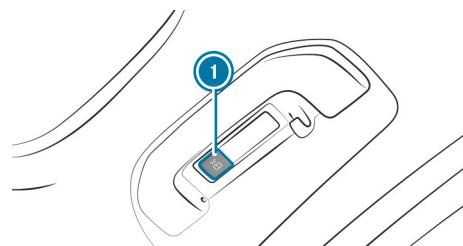
FRONT OVERHEAD CONTROL PANEL



- ① Front left reading lamp
- ② Automatic interior lighting control
- ③ Front interior lighting
- ④ Rear interior lighting
- ⑤ Front right reading lamp

► **To switch on or off:** press button ① – ⑤ accordingly.

OPERATING UNIT INSIDE THE GRAB HANDLE (REAR)



- ① Rear reading lamp

► **To switch on or off:** press the ① button.

Adjusting the ambient lighting

Multimedia system:

→ → **Comfort** → **Ambient light**

SETTING THE COLOUR

- Select **Colour**.
- Select **Monochrome** or **Multi-colour**.
- Set the desired colour or colour scheme.

ADJUSTING THE BRIGHTNESS

- Select **Brightness**.
- Adjust the brightness.





- ⓘ Depending on the ambient light conditions, the ambient lighting will automatically switch between day and night modes.

ACTIVATING THE BRIGHTNESS FOR ZONES

- ▶ Select [Brightness](#).
- ▶ Switch off [Link zones](#).

The [Direct](#), [Indirect](#) and [Accents](#) zones can be set separately.

ACTIVATING EFFECTS

⚠ WARNING

Risk of accident if ambient lighting and active ambient lighting effects are not switched on

The warning support effects are fully active only if the respective driving or driving safety systems are switched on on the driving assistance menu.

- ▶ Ensure that the respective driving or driving safety systems are switched on.

- ⓘ Observe the notes on driving systems and your responsibility; you may otherwise fail to recognise dangers (→ page 365).

- ▶ Select [Effects](#).
- ▶ Activate the desired effect.

- ⓘ Different effects will be available depending on the vehicle equipment.

OPERATING FEEDBACK EFFECTS

- **Climate:** If changes are made to the temperature setting in the vehicle, the colour of the ambient lighting will change briefly.
- **Greeting:** When you get into the vehicle, a special colour animation will play.

MULTI-COLOUR ANIMATION

- The chosen colour combination will change at predefined intervals.

Switching the interior lighting switch-off delay time on/off

Multimedia system:

➡  ➡ [Settings](#) ➡ [Lights](#) ➡ [Interior/exterior lighting](#)
➡ [Interior lighting switch-off delay](#)

- ▶ Activate or deactivate [Interior lighting switch-off delay](#).

If this function is active, the interior lighting will be switched on for a short time after the end of the journey.





< Changing bulbs (only for vehicles with halogen headlamps)

Notes on changing bulbs

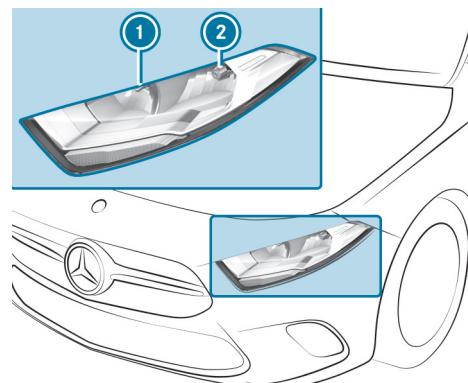
WARNING

- Risk of burns from hot component parts whilst replacing a bulb
Bulbs, lamps and plugs can become very hot during operation.
When replacing a bulb, you could burn yourself on these component parts.
- ▶ Allow the component parts to cool down before replacing the bulb.

- Do not use an illuminant if it has been dropped or if its glass has been scratched. The illuminant may otherwise explode.
- Do not touch the glass bulb with your bare hands.
- Protect illuminants from moisture and do not allow them to come into contact with liquids.

Overview of the bulbs to be changed

HALOGEN HEADLAMPS



- (1) High beam: H7 55 W bulb
- (2) Low beam: H7 55 W bulb

Changing the front bulbs (vehicles with halogen headlamps)

FITTING/REMOVING THE COVER IN THE FRONT WHEEL ARCH

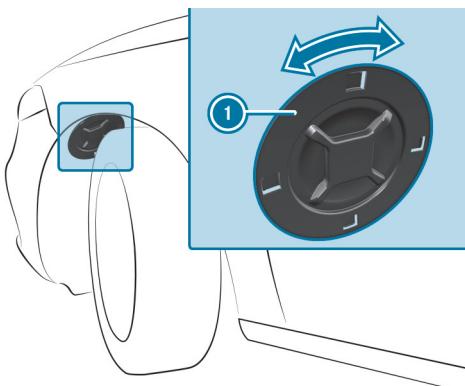
Requirements:

- The lighting system is switched off.





- The appropriate front wheel is turned inwards.



- To remove:** turn cover ① to the left and remove it from the wheel arch liner.
- To fit:** insert cover ① into the wheel arch liner and turn it to the right until it engages.

REPLACING ILLUMINANTS IN THE HALOGEN HEADLAMP

WARNING

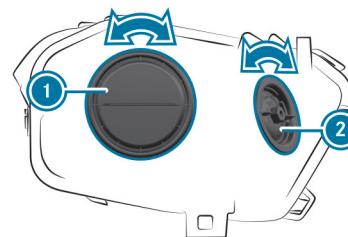
Risk of burns from hot component parts whilst replacing a bulb
Bulbs, lamps and plug connectors can become very hot during operation.

When replacing a bulb, you could burn yourself on these component parts.

- Allow the component parts to cool down before replacing the bulbs.

Requirements

- Low beam:** an H7 55 W illuminant is available.
- High beam:** an H7 55 W illuminant is available.

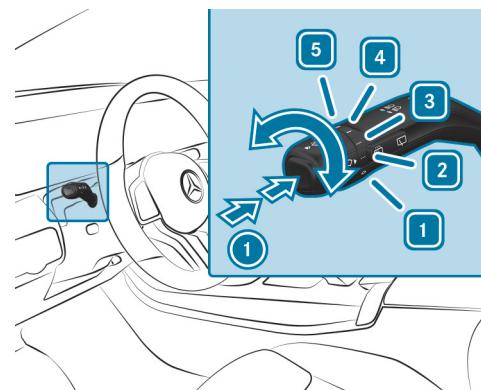


- ① Low beam housing cover
- ② High beam housing cover
- Switch the lighting system off.
- Remove the cover in the front wheel arch (→ page 262).
- Turn the relevant housing cover anti-clockwise and remove it.
- Turn the socket anti-clockwise and remove it.
- Pull the illuminant out of the socket.
- Insert the new illuminant into the socket such that the base of the bulb rests fully against the base of the socket.
- Insert the socket and turn it clockwise.
- Position the housing cover and turn it clockwise.
- Replace the cover in the front wheel arch (→ page 262).



Windscreen wipers and windscreen washer system

Switching the windscreen wipers on/off



- 1 [0]** Windscreen wipers off
 - 2 [· ·]** Automatic wiping, normal
 - 3 [· · ·]** Automatic wiping, frequent
 - 4 [—]** Continuous wiping, slow
 - 5 [=]** Continuous wiping, fast
- ▶ Turn the combination switch to the corresponding position **1** - **5**.
 - ▶ **Single wipe:** press button **①** as far as the point of resistance.
 - ▶ **Wiping with washer fluid:** press button **①** beyond the point of resistance.

i Observe the notes on washing the vehicle in a car wash
(→ page 45).

Replacing the windscreen wiper blades

⚠ WARNING

Risk of becoming trapped if the windscreen wipers are switched on while wiper blades are being replaced

If the windscreen wipers begin to move while you are changing the wiper blades, you can be trapped by the wiper arm.

- ▶ Always switch off the windscreen wipers and vehicle before changing the wiper blades.

MOVING THE WIPER ARMS INTO THE REPLACEMENT POSITION

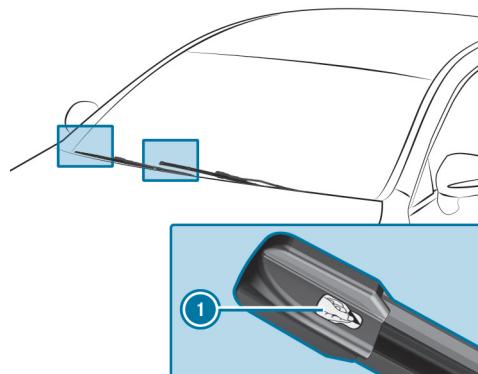
- ▶ Switch the vehicle on and then off again immediately.
- ▶ Within around 15 seconds, press and hold the button on the combination switch for approximately three seconds (→ page 264).
The wiper arms will move into the replacement position.

i Check the condition of the wiper blades regularly and replace them in the event of visible damage or ongoing smearing.



- ▶ Observe the information about the service indicator.

SERVICE INDICATOR



- ▶ Remove protective film ① from the service indicators on the tips of the newly fitted wiper blades.

When the colour of the service indicator changes from black to yellow, replace the wiper blades.

① The time it takes for the colour to change will vary depending on the usage conditions.





< Mirrors

Operating the outside mirrors

⚠ WARNING

Risk of accident due to adjusting the vehicle settings while the vehicle is in motion

YOU COULD LOSE CONTROL OF THE VEHICLE IN THE FOLLOWING SITUATIONS IN PARTICULAR:

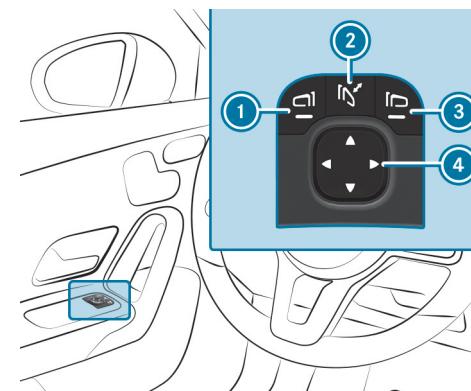
- if you adjust the driver's seat, the head restraint, the steering wheel or the mirror while the vehicle is in motion
- if you fasten your seat belt while the vehicle is in motion
- ▶ Before starting the vehicle: in particular, adjust the driver's seat, head restraint, steering wheel and mirror, and fasten your seat belt.

⚠ WARNING

Risk of accident due to misjudgement of distance when using the outside mirror

The outside mirrors reflect objects on a smaller scale. The objects in view are in fact closer than they appear.

- ▶ Therefore, always look over your shoulder in order to ensure that you are aware of the actual distance between you and the road users driving behind you.



- ▶ **To fold in or out:** briefly press button ②.
- ▶ **To adjust:** use button ① or ③ to select the outside mirror to be adjusted.





- ▶ Use button ④ to adjust the position of the mirror glass.

 If the battery has been disconnected or completely discharged, you will have to reset the outside mirrors. Only then will the automatic mirror folding function work properly.

- ▶ **To reset:** briefly press button ②.

An outside mirror that has been pushed out of position can be engaged in position again as follows:

- ▶ **Vehicles without electrically folding outside mirrors:** manually move the outside mirror into the correct position.
- ▶ **Vehicles with electrically folding outside mirrors:** press and hold button ②.

You will hear a click. The outside mirror will now be set to the correct position.

Automatic anti-dazzle mirrors function

 **WARNING**

Risk of acid burns and poisoning due to the anti-dazzle mirror electrolyte

Electrolyte may escape if the glass in an automatic anti-dazzle mirror breaks.

The electrolyte is hazardous to health and causes irritation. It must not come into contact with your skin, eyes, respiratory organs or clothing or be swallowed.

- ▶ If you come into contact with electrolyte, observe the following:
 - Immediately rinse the electrolyte from your skin with water and seek medical attention.
 - If electrolyte comes into contact with your eyes, immediately rinse them thoroughly with clean water and seek medical attention.
 - If the electrolyte is swallowed, immediately rinse your mouth out thoroughly. Do not induce vomiting. Seek medical attention immediately.
 - Immediately change out of clothing which has been contaminated with electrolyte.
 - If an allergic reaction occurs, seek medical attention immediately.

When light from a headlamp hits the sensor on the inside rear-view mirror, the inside rear-view mirror will automatically dim.





SYSTEM LIMITS

THE SYSTEM WILL NOT GO INTO ANTI-DAZZLE MODE IF:

- The vehicle is switched off.
- Reverse gear is engaged.
- The interior lighting is switched on.

Front-passenger outside mirror parking position function

The parking position makes parking easier.

THE FRONT-PASSENGER OUTSIDE MIRROR WILL SWIVEL DOWNWARDS IN THE DIRECTION OF THE REAR WHEEL ON THE FRONT PASSENGER'S SIDE WHEN:

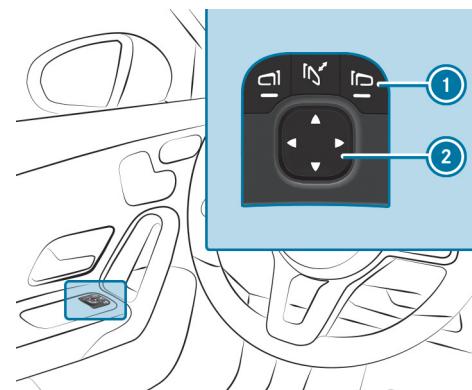
- the parking position is stored (→ page 268).
- the front-passenger mirror is selected.
- reverse gear is engaged.

THE FRONT-PASSENGER OUTSIDE MIRROR WILL MOVE BACK TO ITS ORIGINAL POSITION WHEN:

- you shift the transmission to another transmission position.
- you are travelling at a speed greater than 15 km/h.
- you press the button for the outside mirror on the driver's side.

Storing the parking position of the front-passenger outside mirror using reverse gear

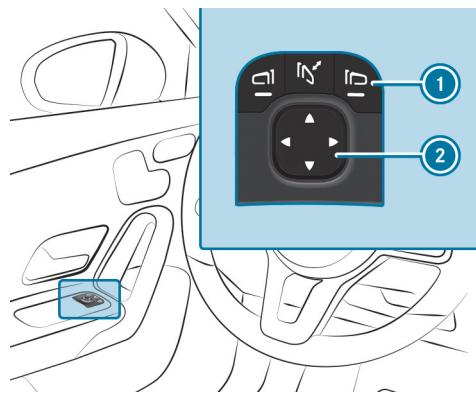
STORING



- ▶ Press button ① to select the front-passenger outside mirror.
- ▶ Engage reverse gear.
- ▶ Move the front-passenger outside mirror into the desired parking position using button ②.



CALLING UP



① Selects the front-passenger outside mirror

② Adjusts the mirrors

- ▶ Press button ① to select the front-passenger outside mirror.
- ▶ Engage reverse gear.
The front-passenger outside mirror will move into the stored parking position.

Activating/deactivating the automatic mirror folding function

Multimedia system:



- ▶ Activate or deactivate Automatic mirror fold-in.





< Climate control

This interactive PDF works like a website – tap or click a button to jump straight to where you want to go.

You can return here at any time via the navigation bar at the top left.

Overview of climate control systems



Operating the climate control system





< Overview of climate control systems

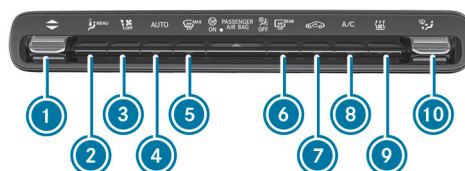
Notes on climate control

For the air-conditioning system, pollution level monitoring and air filtration to function correctly, an interior air filter must always be used. Make sure that the filter is installed correctly. Use filters recommended and approved by Mercedes-Benz. Always have maintenance work carried out at a qualified specialist workshop.

Overview of the air conditioning control panel

The indicator lamps on the buttons indicate that the corresponding functions are activated.

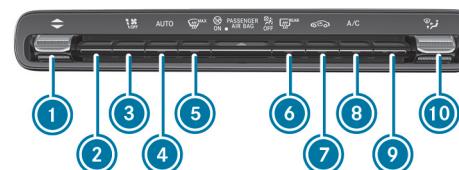
Plug-in hybrid with THERMATIC air conditioning control panel:



- ① Sets the temperature
- ② Calls up the air conditioning menu
- ③ Sets the airflow or switches off climate control
- ④ Sets climate control to automatic mode (→ page 275)

- ⑤ Defrosts the windscreen
- ⑥ Switches the rear window heater on/off
- ⑦ Switches air-recirculation mode on/off (→ page 276)
- ⑧ Switches the A/C function on/off (→ page 274)
- ⑨ Activates/deactivates "Immediate pre-entry climate control" (→ page 279)
- ⑩ Sets the air distribution

Vehicles with THERMATIC air conditioning control panel (without stationary heater):



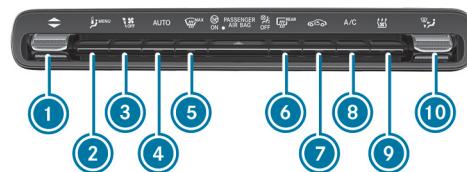
- ① Sets the temperature
- ② Button inoperative
- ③ Sets the airflow or switches off climate control
- ④ Sets climate control to automatic mode (→ page 275)
- ⑤ Demists the windscreen
- ⑥ Switches the rear window heater on/off
- ⑦ Switches air-recirculation mode on/off (→ page 276)
- ⑧ Switches the A/C function on/off (→ page 274)



⑨ Button inoperative

⑩ Sets the air distribution

Vehicles with THERMATIC air conditioning control panel (with stationary heater):



① Sets the temperature

② Calls up the air conditioning menu

③ Sets the airflow or switches off climate control

④ Sets climate control to automatic mode (→ page 275)

⑤ Demists the windscreen

⑥ Switches the rear window heater on/off

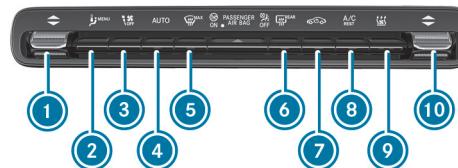
⑦ Switches air-recirculation mode on/off (→ page 276)

⑧ Switches the A/C function on/off (→ page 274)

⑨ Switches the stationary heater on/off (→ page 63)

⑩ Sets the air distribution

Plug-in hybrid with THERMOTRONIC air conditioning control panel:



① Sets the temperature on the driver's side

② Calls up the air conditioning menu

③ Sets the airflow or switches off climate control

④ Sets climate control to automatic mode (→ page 275)

⑤ Demists the windscreen

⑥ Switches the rear window heater on/off

⑦ Switches air-recirculation mode on/off (→ page 276)

⑧ Switches the A/C function on/off (→ page 274)

Switches residual heat on/off (→ page 276)

⑨ Activates/deactivates "Immediate pre-entry climate control" (→ page 279)

⑩ Sets the temperature on the front passenger side

Vehicles with THERMOTRONIC air conditioning control panel (without stationary heater):



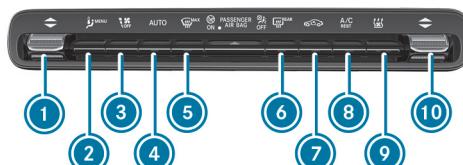


- ① Sets the temperature on the driver's side
- ② Sets the air distribution
- ③ Sets the airflow or switches off climate control
- ④ Sets climate control to automatic mode (→ page 275)
- ⑤ Demists the windscreen
- ⑥ Switches the rear window heater on/off
- ⑦ Switches air-recirculation mode on/off (→ page 276)
- ⑧ Switches the A/C function on/off (→ page 274)
Switches residual heat on/off (→ page 276)
- ⑨ Switches synchronisation on/off (→ page 275)
- ⑩ Sets the temperature on the front passenger side

Vehicles with THERMOTRONIC air conditioning control panel (with stationary heater):

- ③ Sets the airflow or switches off climate control
- ④ Sets climate control to automatic mode (→ page 275)
- ⑤ Demists the windscreen
- ⑥ Switches the rear window heater on/off
- ⑦ Switches air-recirculation mode on/off (→ page 276)
- ⑧ Switches the A/C function on/off (→ page 274)
Switches residual heat on/off (→ page 276)
- ⑨ Switches the stationary heater on/off (→ page 63)
- ⑩ Sets the temperature on the front passenger side

i Residual heat can be used only in vehicles with a diesel engine or vehicles with a stationary heater in combination with the THERMOTRONIC air conditioning control panel.



- ① Sets the temperature on the driver's side
- ② Calls up the air conditioning menu





< Operating the climate control system

Switching climate control on/off

- ▶ **To switch on:** set the airflow to level 1 or higher using the  button.
- ▶ **To switch off:** set the airflow to level 0 using the  button.

If climate control is switched off, the windows may mist up more quickly.
Switch climate control off only briefly.

Switching the A/C function on/off using the air conditioning control panel

The A/C function heats, cools and dehumidifies the vehicle's interior air.

- ▶ Press the  /  button.

Switch off the A/C function only briefly; otherwise, the windows may mist up more quickly.

Condensation may drip from the underside of the vehicle when cooling mode is active. This is not indicative of a fault.

Calling up the air conditioning menu via the climate bar or the air conditioning control panel

The air conditioning menu can be called up via the climate bar. The climate bar is always shown on the lower edge of the media display.

- ▶ Select the [Climate menu](#) entry in the air conditioning bar.

Activating/deactivating the A/C function via the air-conditioning menu

Multimedia system:

-  [Climate menu](#)  [First row of seats](#)

Depending on the external conditions, support for improved cooling and dehumidification of the interior air will be provided when the A/C function is activated. If it is not possible to operate the A/C function on the climate bar on the media display, switch the function on or off in the climate menu of the media display.

- ▶ Select [A/C](#).

Switch off the A/C function only briefly; otherwise, the windows may mist up more quickly.





Condensation may drip from the underside of the vehicle when cooling mode is active. This is not indicative of a fault.

Setting climate control to automatic mode

In automatic mode, the set temperature is controlled and maintained at a constant level by the air supply.

- ▶ Press button .
- ▶ **To switch to manual mode:** press the  or .

In automatic mode, you can choose between five different air quantities using the  button. Automatic mode is retained.

Overview of the air distribution settings

THE SYMBOLS ON THE DISPLAY INDICATE WHICH VENTS THE AIRFLOW IS BEING DIRECTED THROUGH:

- | | |
|---|---------------------------------------|
|  | Demister and side air vents |
|  | Centre and side air vents |
|  | Footwell and side air vents |
|  | Centre, side and footwell vents |
|  | Demister, footwell and side air vents |
|  | All vents |
|  | Demister, centre and side air vents |



Automatic air distribution

Setting air distribution using the air conditioning menu

Multimedia system:

- ▶  [Climate menu](#)
- ▶ Select [First row of seats](#) or [Second row of seats](#).
- ▶ To set air distribution: select ,  or .
- ▶ Set the airflow.

 When the air conditioning system is switched on, at least one zone is always active. However, several air distribution options can be selected at the same time, for example to set the climate control for the vehicle interior and the footwells simultaneously. The  climate control for the windscreen can only be selected for the first seat row. When automatic mode is active, the buttons for setting the air distribution are automatically deactivated. When the air conditioning system is switched off, the buttons remain operable and the last setting is saved.

Switching the synchronisation function on/off via the air-conditioning control panel

Requirements:

- The vehicle is not equipped with a stationary heater.





Climate control can be set centrally using the synchronisation function. The temperature and air distribution settings for the driver's side will be adopted automatically for the front passenger side.

- ▶ Press the **SYNC** button.

The synchronisation function will switch off if the settings for any of the other climate zones are changed.

Switching the synchronisation function on/off via the air conditioning menu

Multimedia system:

-  Climate menu  First row of seats

The synchronisation function controls the climate control centrally. The driver's settings for temperature, airflow and air distribution are automatically adopted for each climate zone.

- ▶ Select **SYNC**.

Demisting the windows

WINDOWS MISTED UP ON THE INSIDE

- ▶ Press the **AUTO** button.
- ▶ If the windows remain misted up: press the **W_{MAX}** button.

WINDOWS MISTED UP ON THE OUTSIDE

- ▶ Switch on the windscreen wipers.
- ▶ Press the **AUTO** button.

Switching air-recirculation mode on/off

- ▶ Press the **REC** button.
The interior air will be recirculated.

Air-recirculation mode will automatically switch to fresh air mode after a while.

- i** If air-recirculation mode is switched on, the windows may mist up more quickly. Switch on air-recirculation mode only briefly.

Switches residual heat on/off

Requirements

- The vehicle is parked.

- i** Residual heat can be used only in vehicles with a diesel engine or vehicles with a stationary heater in combination with the THERMOTRONIC air conditioning control panel.

It is possible to make use of the residual heat from the engine to continue heating or ventilating the front compartment of the vehicle for approximately 30 minutes, depending on the temperature set.

- ▶ **To activate:** press the **A/C REST** button.

Residual heat will be switched off automatically.





Pre-entry climate control via the key (plug-in hybrid)

FUNCTION OF PRE-ENTRY CLIMATE CONTROL VIA THE KEY (PLUG-IN HYBRID)

Before entering the vehicle, the driver's side or the whole vehicle interior can be briefly pre-warmed or pre-cooled.

WHEN PRE-COOLING, THE FOLLOWING FUNCTIONS ARE ACTIVATED AS NEEDED:

- Automatic climate control
- Blower

WHEN PRE-HEATING, THE FOLLOWING FUNCTIONS ARE ACTIVATED AS NEEDED:

- Automatic climate control
- Blower
- Seat heating
- Steering wheel heater
- Mirror heater
- Rear window heater

SETTING PRE-ENTRY CLIMATE CONTROL WHEN THE VEHICLE IS UNLOCKED IN THE MULTIMEDIA SYSTEM

Multimedia system:

 Climate menu  Pre-entry climate ctrl

- ▶ Activate or deactivate the function.

SELECTING SEATS

- ▶ Select **Driver**, **Passenger**, **Rear left** or **Rear right**.

The pre-entry climate control functions (e.g. seat heating) available for the seat are switched on or off for the selected seats.

When pre-entry climate control is enabled, an LED on the climate bar of the media display will light up blue for a cooled vehicle and red for a heated vehicle.

ACTIVATING/DEACTIVATING PRE-ENTRY CLIMATE CONTROL VIA THE KEY (PLUG-IN HYBRID)

Requirements:

- The high-voltage battery is charged sufficiently.
- The function has been activated via the multimedia system.

- ▶ **To switch on:** unlock the vehicle.

The climate control functions are activated for up to five minutes for pre-heating and pre-cooling.

Pre-entry climate control via the key cannot be activated more than twice when the vehicle is switched off.

- ▶ **To switch off:** push the  button up or down.

THE FOLLOWING FUNCTIONS WILL REMAIN ACTIVE ONCE THE VEHICLE HAS BEEN STARTED:

- Seat heating





Pre-entry climate control for departure time (plug-in hybrid)

FUNCTION OF PRE-ENTRY CLIMATE CONTROL FOR DEPARTURE TIME (PLUG-IN HYBRID)

WARNING

Risk of fatal injury due to exposure to extreme heat or cold in the vehicle

If persons, particularly children, are subjected to prolonged exposure to intense heat or cold, there is a risk of severe injury or even death.

- ▶ Never leave persons, particularly children, unattended in the vehicle.

The vehicle interior can be air conditioned when the vehicle is parked.

When the vehicle is connected to power supply equipment, priority is given to charging the high-voltage battery to a specified minimum charge.

THE RUNNING TIME OF PRE-ENTRY CLIMATE CONTROL MAY BE REDUCED UNDER THE FOLLOWING CONDITIONS:

- The vehicle is not connected to power supply equipment.
- The high-voltage battery is not charged sufficiently.

With active pre-entry climate control, the charge level of the high-voltage battery may be reduced, even if the charging cable connector is connected.

FOR COOLING, THE FOLLOWING FUNCTIONS ARE ACTIVATED AS NEEDED:

- Automatic climate control

- Blower

FOR HEATING, THE FOLLOWING FUNCTIONS ARE ACTIVATED AS NEEDED:

- Automatic climate control
- Blower
- Seat heating
- Steering wheel heater
- Mirror heater
- Rear window heater

SETTING PRE-ENTRY CLIMATE CONTROL AT DEPARTURE TIME VIA THE MULTIMEDIA SYSTEM

Multimedia system:

➡ Climate menu ➡ Pre-entry climate ctrl

SETTING THE DEPARTURE TIME

- ▶ Select [Edit departure time](#) .
- ▶ Select a departure time or set a new departure time.

SETTING REPEAT DAYS

- ▶ Select [Edit departure time](#) .
- ▶ Set the desired departure time and select the corresponding days on which this departure time is to apply.
- ▶ Press [OK](#) to confirm.

SELECTING SEATS

- ▶ Select [Driver](#), [Passenger](#), [Rear left](#) or [Rear right](#).
- Pre-entry climate control will take place for the selected seats.





When pre-entry climate control is enabled, an LED on the climate bar on the central display will light up blue for a cooled vehicle and red for a heated vehicle. If the departure time is selected, the LED on the climate bar of the central display will light up yellow.

ACTIVATING/DEACTIVATING PRE-ENTRY CLIMATE CONTROL FOR DEPARTURE TIME (PLUG-IN HYBRID)

WARNING

Risk of fatal injury due to exposure to extreme heat or cold in the vehicle

If persons, particularly children, are subjected to prolonged exposure to intense heat or cold, there is a risk of severe injury or even death.

- ▶ Never leave persons, particularly children, unattended in the vehicle.

Requirements:

- The high-voltage battery is charged sufficiently.
- The function has been activated via the multimedia system.

- ▶ **To activate:** set the departure time (→ page 278).
Pre-entry climate control for departure time will switch on a maximum of 55 minutes before the selected departure time. It will remain active for another five minutes if departure is delayed.

- ▶ **To deactivate:** press the  button up or down.

THE FOLLOWING FUNCTIONS WILL REMAIN ACTIVE ONCE THE VEHICLE HAS BEEN STARTED:

- Seat heating

Activating/deactivating immediate pre-entry climate control

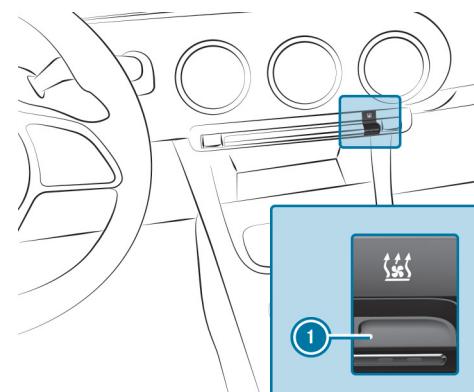
WARNING

Risk of fatal injury due to exposure to extreme heat or cold in the vehicle

If persons, particularly children, are subjected to prolonged exposure to intense heat or cold, there is a risk of severe injury or even death.

- ▶ Never leave persons, particularly children, unattended in the vehicle.

Air conditioning of the vehicle interior can continue for up to 50 minutes, e.g. if the journey is interrupted.



THE COLOURS OF THE INDICATOR LAMP HAVE THE FOLLOWING MEANINGS:

- **Blue:** cooling is activated.
- **Red:** heating is activated.





- **Yellow:** the departure time has been preselected.

► Set the desired temperature using the button.

► Press button ① .

The red or blue indicator lamp on button ① will light up or go out.

Stationary heater/ventilation

STATIONARY HEATER/VENTILATION FUNCTION

The following function is equipment-dependent.

- The air inside the vehicle will be heated or ventilated to the set temperature.
- The air inside the vehicle cannot be cooled down to temperatures below the outside temperature.
- If the outside temperature changes, ventilation mode will automatically switch to heating mode or heating mode will automatically switch to ventilation mode.

The stationary heater and the exhaust gas outlet are situated in front of the right front wheel.

SWITCHING THE STATIONARY HEATER/VENTILATION ON/OFF VIA THE OPERATING UNIT

DANGER

Risk of fatal injury due to poisonous exhaust gases

If the tailpipe is blocked or sufficient ventilation is not possible, poisonous exhaust gases such as carbon monoxide may enter the vehicle. This is the case in enclosed spaces or if the vehicle gets stuck in snow, for example.

- Always switch the stationary heater off in enclosed spaces without an air extraction system, e.g. in garages.
- Keep the tailpipe and the area around the vehicle free from snow when the engine or the stationary heater is running.
- Open a window on the side of the vehicle facing away from the wind to ensure an adequate supply of fresh air.

WARNING

Risk of fire due to hot stationary heater components and exhaust gases

Flammable materials such as leaves, grass or twigs may ignite.

- When the stationary heater is switched on, make sure that:
 - hot vehicle parts do not come into contact with flammable materials.
 - the exhaust gas can flow out of the stationary heater exhaust pipe unhindered.
 - the exhaust gas does not come into contact with flammable materials.



**! NOTE**

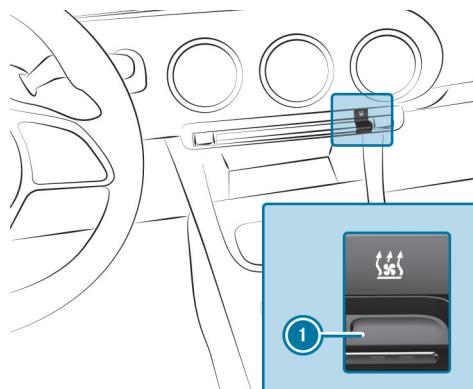
Battery discharge caused by stationary heater or stationary ventilation operation

Operating the stationary heater or stationary ventilation drains the battery.

- ▶ After heating or ventilating the vehicle twice, drive for a longer period of time.

Requirements

- The fuel tank is at least $\frac{1}{4}$ full.



- ▶ Set the desired temperature using the button.

- ▶ Press button ①.

The red or blue indicator lamp on button ① will light up or go out.

THE COLOURS OF THE INDICATOR LAMP HAVE THE FOLLOWING MEANINGS:

- **Blue:** stationary ventilation is switched on.
- **Red:** the stationary heater is switched on.
- **Yellow:** the departure time is preselected.

The stationary heater/ventilation will switch off automatically after 50 minutes.

SETTING THE STATIONARY HEATER/VENTILATION VIA THE MULTIMEDIA SYSTEM**Requirements**

- The vehicle has a stationary heater.

Multimedia system:

Climate menu Stationary heater

SELECTING THE DEPARTURE TIME

- ▶ Select Time A, Time B or Time C.

SETTING THE DEPARTURE TIME

- ▶ Select Time A, Time B or Time C.
- ▶ Select the pen beside the time.
- ▶ Set a time.





Air vents

ADJUSTING THE FRONT AIR VENTS

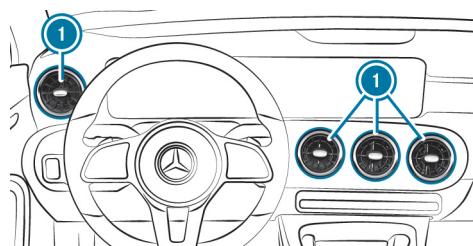
WARNING

Risk of burns or frostbite due to being too close to the air vents
Very hot or very cold air can flow from the air vents.

- ▶ Make sure that all vehicle occupants always maintain a sufficient distance from the air vents.
- ▶ If necessary, direct the airflow to another area of the vehicle interior.

TO GUARANTEE THE FLOW OF FRESH AIR THROUGH THE AIR VENTS INTO THE VEHICLE INTERIOR, NOTE THE FOLLOWING:

- Always keep the vents and ventilation grilles in the vehicle interior clear.
- Keep the air inlet free of residue build-up (→ page 618).



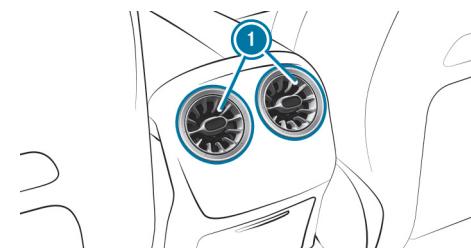
- ▶ **To open or close:** hold the centre of air vent ① and turn it to the left (open) or right (closed) as far as it will go.
- ▶ **To set the airflow direction:** hold the centre of air vent ① and move it up or down or to the left or right.

ADJUSTING THE REAR AIR VENTS

WARNING

Risk of burns or frostbite due to being too close to the air vents
Very hot or very cold air can flow from the air vents.

- ▶ Make sure that all vehicle occupants always maintain a sufficient distance from the air vents.
- ▶ If necessary, direct the airflow to another area of the vehicle interior.



- ▶ **To open or close:** hold the centre of air vent ① and turn it to the left or right as far as it will go.
- ▶ **To set the airflow direction:** hold the centre of air vent ① and move it up or down or to the left or right.



< Driving and parking

This interactive PDF works like a website – tap or click a button to jump straight to where you want to go.

You can return here at any time via the navigation bar at the top left.

Driving



Driving and driving safety systems



DYNAMIC SELECT



Vehicle towing instructions



Automatic transmission



Function of 4MATIC



Refuelling



Charging the high-voltage battery (plug-in hybrid)



Parking





< Driving

Notes on plug-in hybrids

NOTES ON PLUG-IN HYBRID OPERATION

⚠ WARNING

Risk of chemical burns and poisoning from damaged high-voltage battery

If the housing of the high-voltage battery has been damaged, electrolyte and gases may leak out.

- ▶ Avoid contact with the skin, eyes or clothing.
- ▶ Immediately rinse electrolyte splashes off with water and seek medical attention straight away.

⚠ DANGER

Risk of fire and explosion from excessive internal pressure of the high-voltage battery

In the event of a vehicle fire, flammable gas can escape and ignite.

- ▶ Stop the charging process immediately in case of unusual odours, smoke or burn marks.
- ▶ Leave the danger zone immediately. Secure the danger zone at a sufficient distance.
- ▶ Call the fire service.

The hybrid system combines a combustion engine with an electric motor.

CHARACTERISTICS WHEN THE VEHICLE IS AT A STANDSTILL:

- The combustion engine will generally be switched off.
- Idle speed will occur only in certain instances.

CHARACTERISTICS WHEN THE VEHICLE IS STARTED:

- If the high-voltage battery is sufficiently charged, it will be possible to start the vehicle with the electric drive system without the combustion engine (noiseless start).



- If the high-voltage battery for the electric drive system is not sufficiently charged or the vehicle conditions for a silent start are not met, the vehicle will start with the combustion engine.

i Depending on the system, it may be that even though the high-voltage battery is charged, electric mode has restricted or no availability. When the combustion engine has run for long enough and the ambient conditions permit, electric mode will be available without restriction once more.

i To start the combustion engine, the high-voltage battery can be used as a starter battery.

CHARACTERISTICS WITH MODERATE POWER OUTPUT REQUESTS:

- The combustion engine will be switched off as often as possible during a journey.
- Depending on the drive program selected and the state of charge of the high-voltage battery, the vehicle can be accelerated under electric power up to a speed of approximately 140 km/h.

CHARACTERISTICS WITH HIGH POWER OUTPUT REQUESTS:

- The electric motor will support the combustion engine (boost effect), e.g. when the vehicle is pulling away or accelerating.
- The high-voltage battery will be discharged.

CHARACTERISTICS WHEN THE ACCELERATOR PEDAL IS RELEASED DURING THE JOURNEY:

- The electric motor will be operated as an alternator when in overrun mode and during braking.
- The high-voltage battery will be charged.

NOTES ON ELECTRIC MODE:

- Vehicles with hybrid systems generate significantly less noise when stationary and when being driven than vehicles with combustion engines.
- When you drive in electric mode, the vehicle may not be heard by other road users owing to the significantly reduced operating noise.

It is for this reason that the vehicle is equipped with a sound generator, which serves as an acoustic vehicle alerting system (AVAS). This safety system is prescribed by law.

The external noise produced by the sound generator can be heard in the vehicle interior at low speeds and does not constitute a malfunction.

- If not all the vehicle conditions for electric mode are met, the combustion engine will be switched on.
- Performance restrictions in electric mode are possible as a result of the operating temperature of the high-voltage battery and drive system, the ambient temperature and ageing of the high-voltage battery.
- In electric mode, the maximum power will not be permanently available and may drop to continuous output.

NOTES ON THE ACOUSTIC VEHICLE ALERTING SYSTEM:

- The sound generator will produce speed-dependent driving noises when the vehicle is driving forwards or reversing up to a speed of approximately 30 km/h.





- This will help other road users, particularly pedestrians and cyclists, to hear your vehicle better.
- From a speed of 20 km/h, the acoustic vehicle alerting system will gradually switch off.
- The sound generator will be off when the vehicle is stationary.

MANUALLY DISCONNECTING THE HIGH-VOLTAGE ON-BOARD ELECTRICAL SYSTEM



DANGER

Risk of death and fire due to modified and/or damaged components of the high-voltage on-board electrical system

The vehicle's high-voltage on-board electrical system is under high voltage. If you modify component parts in the vehicle's high-voltage on-board electrical system or touch damaged component parts, you may be electrocuted. In addition, modified and/or damaged components may cause a fire.

In the event of an accident or impact to the underbody, components of the high-voltage on-board electrical system may be damaged although the damage is not visible.

- ▶ Never make any modifications to the high-voltage on-board electrical system.
- ▶ Do not switch on or use the vehicle if its high-voltage on-board electrical system components have been modified or damaged.
- ▶ Never touch damaged components of the high-voltage on-board electrical system.
- ▶ After an accident, do not touch any components of the high-voltage on-board electrical system.
- ▶ After an accident, have the vehicle transported away.
- ▶ Have the components of the high-voltage on-board electrical system checked at a qualified specialist workshop and replaced if necessary.





Requirements

ONLY DISCONNECT THE HIGH-VOLTAGE ON-BOARD ELECTRICAL SYSTEM MANUALLY IN THE FOLLOWING SITUATIONS:

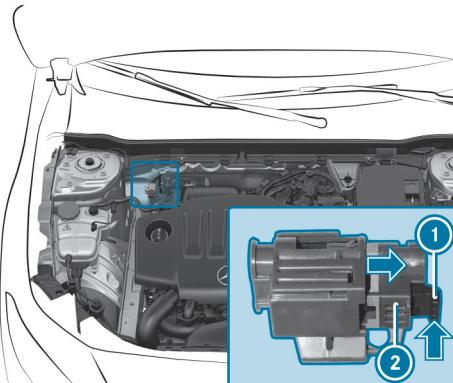
- The restraint system warning lamp  lights up in the driver display, e.g. after an accident.
- The vehicle is badly damaged, e.g. after an accident, and restraint system components have not been triggered.

- ▶ Pull high-voltage disconnect device **②** in the direction of the arrow until it engages.

The high-voltage on-board electrical system is switched off.

All work on the hybrid drive system- (including after disconnecting the high-voltage on-board electrical system manually-) may only be carried out in a qualified specialist workshop.

OPERATING THE HIGH-VOLTAGE DISCONNECT DEVICE



- ▶ Switch off the vehicle.
- ▶ Shift the transmission to position **P**.
- ▶ Apply the electric parking brake.
- ▶ Secure the vehicle against rolling away.
- ▶ Open the bonnet.
- ▶ Press release tab **①** in the direction of the arrow and pull it out.





Switching on the power supply or the vehicle

⚠ WARNING

Accident- and risk of injury with unsupervised children in the vehicle

IF YOU LEAVE CHILDREN UNATTENDED IN THE VEHICLE, THEY CAN IN PARTICULAR

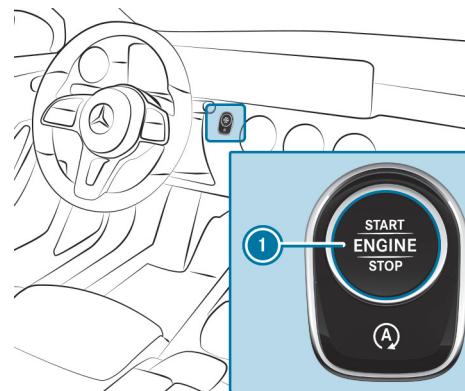
- Open doors and thereby endanger other persons or road users.
- get out of the car and are hit by traffic.
- Operate vehicle equipment and become trapped, for example.

IN ADDITION, THE CHILDREN COULD ALSO SET THE VEHICLE IN MOTION, FOR EXAMPLE BY:

- releasing the parking brake.
 - change the gearbox setting.
 - start the vehicle.
- Never leave children unattended in the vehicle.
- When leaving the vehicle, always take the SmartKey with you and lock the vehicle.
- Keep the key out of reach of children.

Requirements

- The key is in the vehicle and is recognised.
- The brake pedal is not depressed.



- **To switch on the power supply:** press button ① once.
You can, for example, switch on the windscreen wipers.

THE POWER SUPPLY WILL BE SWITCHED OFF AGAIN IF THE FOLLOWING CONDITIONS ARE MET:

- You open the driver's door.
- You press button ① twice more.

- **To switch on the vehicle:** press button ① twice.
Indicator and warning lamps will light up on the driver's display.

THE VEHICLE WILL BE SWITCHED OFF AGAIN IF ONE OF THE FOLLOWING CONDITIONS IS MET:

- You do not start the vehicle within 15 minutes and the transmission is in position P or the electric parking brake is applied.
- You press button ① once.





Starting the vehicle with the start/stop button

DANGER

Risk of fatal injuries due to exhaust gases

Combustion engines emit poisonous exhaust gases such as carbon monoxide. Breathing in these exhaust gases is hazardous to health and results in poisoning.

- ▶ Never leave the engine and, if present, the stationary heater, running in an enclosed space without sufficient ventilation.

WARNING

Risk of fire due to flammable materials in the engine compartment or on the exhaust system

Flammable materials may ignite.

- ▶ Therefore, regularly check that there are no flammable foreign materials in the engine compartment or on the exhaust system.

WARNING

Accident- and risk of injury with unsupervised children in the vehicle

IF YOU LEAVE CHILDREN UNATTENDED IN THE VEHICLE, THEY CAN IN PARTICULAR

- Open doors and thereby endanger other persons or road users.
- get out of the car and are hit by traffic.
- Operate vehicle equipment and become trapped, for example.

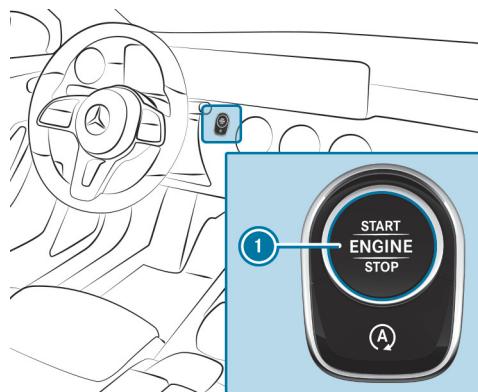
IN ADDITION, THE CHILDREN COULD ALSO SET THE VEHICLE IN MOTION, FOR EXAMPLE BY:

- releasing the parking brake.
- change the gearbox setting.
- start the vehicle.
- ▶ Never leave children unattended in the vehicle.
- ▶ When leaving the vehicle, always take the SmartKey with you and lock the vehicle.
- ▶ Keep the key out of reach of children.

Requirements:

- The key is in the vehicle and is recognised.





- ▶ Shift the transmission to position **P** or **N**.
- ▶ Depress the brake pedal and press button ① once.
- ▶ Keep the brake pedal depressed until the vehicle starts.
- ▶ If the vehicle does not start: switch off non-essential consumer equipment and press button ① once.
- ▶ If the vehicle still does not start and the **Place the key in the marked space See Owner's Manual** display message appears on the driver's display: start the vehicle with the key in the marked space (emergency operation mode) (→ page 290).

① You can switch off the vehicle while driving. To do this, press and hold button ① for about three seconds or press button ① three times within three seconds. Be sure to observe the safety notes concerning this under "Driving tips" (→ page 295).

Observe any information regarding display messages that may be shown on the driver display.

Starting the vehicle in emergency operation mode

DANGER

Risk of fatal injuries due to exhaust gases

Combustion engines emit poisonous exhaust gases such as carbon monoxide. Breathing in these exhaust gases is hazardous to health and results in poisoning.

- ▶ Never leave the engine and, if present, the stationary heater, running in an enclosed space without sufficient ventilation.

WARNING

Risk of fire due to flammable materials in the engine compartment or on the exhaust system

Flammable materials may ignite.

- ▶ Therefore, regularly check that there are no flammable foreign materials in the engine compartment or on the exhaust system.




⚠ WARNING

Accident- and risk of injury with unsupervised children in the vehicle

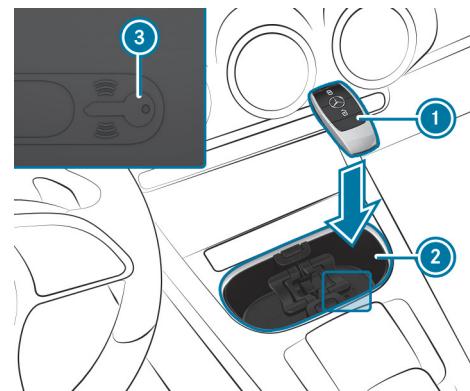
IF YOU LEAVE CHILDREN UNATTENDED IN THE VEHICLE, THEY CAN IN PARTICULAR

- Open doors and thereby endanger other persons or road users.
- get out of the car and are hit by traffic.
- Operate vehicle equipment and become trapped, for example.

IN ADDITION, THE CHILDREN COULD ALSO SET THE VEHICLE IN MOTION, FOR EXAMPLE BY:

- releasing the parking brake.
- change the gearbox setting.
- start the vehicle.
- ▶ Never leave children unattended in the vehicle.
- ▶ When leaving the vehicle, always take the SmartKey with you and lock the vehicle.
- ▶ Keep the key out of reach of children.

If the vehicle does not start and the [Place the key in the marked space See Owner's Manual](#) message appears on the driver display, you can start the vehicle in emergency mode.



Marked space (example with cup holder without cover)

- ▶ Open the cover of marked space (2) if necessary.
- ▶ Make sure that marked space (2) is empty.
- ▶ Remove key (1) from the key ring.
- ▶ Place key (1) on symbol (3) in marked space (2).
The vehicle will start after a short time.
If you remove key (1) from marked space (2), it will still be possible to continue driving the vehicle. For further engine starts, however, key (1) must be located on symbol (3) in marked space (2) during the entire journey.
- ▶ Have key (1) checked at a qualified specialist workshop.

IF THE VEHICLE DOES NOT START:

- ▶ Place key (1) in marked space (2) and leave it there.
- ▶ Depress the brake pedal and start the vehicle using the start/stop button.
- ▶ Keep the brake pedal depressed until the vehicle starts.



- i** You can switch on the power supply or the vehicle with the start/stop button (→ page 288).

Observe any information regarding display messages that may be shown on the driver display.

Starting the vehicle via Remote Online Services

COOLING OR HEATING THE VEHICLE INTERIOR BEFORE STARTING A JOURNEY

You can cool or heat the vehicle interior before starting a journey.

ENSURE THE FOLLOWING BEFORE STARTING THE ENGINE:

- The legal stipulations in the area where your vehicle is parked allow engine starting via smartphone.
- It is safe to start and run the engine where your vehicle is parked.
- The fuel tank is sufficiently full.
- The starter battery is sufficiently charged.

- i** Further information can be found in the Mercedes-Benz App.

CHARGING THE STARTER BATTERY BEFORE STARTING A JOURNEY

You can receive a message on your smartphone when the state of charge of the starter battery is low. You can then start the vehicle with the smartphone to charge the battery. The vehicle will automatically be switched off after ten minutes.

ENSURE THE FOLLOWING BEFORE STARTING THE ENGINE:

- The legal stipulations in the area where your vehicle is parked allow engine starting via smartphone.
- It is safe to start and run the engine where your vehicle is parked.
- The fuel tank is sufficiently full.

STARTING THE VEHICLE (REMOTE ONLINE)

DANGER

Risk of fatal injuries due to exhaust gases

Combustion engines emit poisonous exhaust gases such as carbon monoxide. Breathing in these exhaust gases is hazardous to health and results in poisoning.

- ▶ Never leave the engine and, if present, the stationary heater, running in an enclosed space without sufficient ventilation.

WARNING

Risk of fire due to flammable materials in the engine compartment or on the exhaust system

Flammable materials may ignite.

- ▶ Therefore, regularly check that there are no flammable foreign materials in the engine compartment or on the exhaust system.

**⚠ WARNING**

Risk of crushing or entrapment due to unintentional starting of the engine

Limbs could be crushed or trapped if the engine is started unintentionally during service or maintenance work.

- ▶ Always secure the engine against unintentional starting before carrying out maintenance or repair work.

⚠ WARNING

Accident- and risk of injury with unsupervised children in the vehicle

IF YOU LEAVE CHILDREN UNATTENDED IN THE VEHICLE, THEY CAN IN PARTICULAR

- Open doors and thereby endanger other persons or road users.
- get out of the car and are hit by traffic.
- Operate vehicle equipment and become trapped, for example.

IN ADDITION, THE CHILDREN COULD ALSO SET THE VEHICLE IN MOTION, FOR EXAMPLE BY:

- releasing the parking brake.
- change the gearbox setting.
- start the vehicle.
- ▶ Never leave children unattended in the vehicle.
- ▶ When leaving the vehicle, always take the SmartKey with you and lock the vehicle.
- ▶ Keep the key out of reach of children.

Requirements:

- Park position **P** is selected.
- The anti-theft alarm system is not activated.
- The hazard warning light system is switched off.
- The bonnet is closed.
- The doors are closed and locked.





- The windows and sliding sunroof are closed.

► Start the vehicle using your smartphone.

After every vehicle start, the engine will run for ten minutes.

You can carry out a maximum of two consecutive starting attempts. You must start the engine with the key before trying to start the vehicle with your smartphone again.

YOU CAN SWITCH OFF THE VEHICLE AT ANY TIME AS FOLLOWS:

- Via the Mercedes-Benz App
- By pressing the or button on the key

Further information can be found in the Mercedes-Benz App.

SECURING THE ENGINE AGAINST STARTING BEFORE CARRYING OUT MAINTENANCE OR REPAIR WORK:

- Switch on the hazard warning light system or unlock the doors.
- Open a side window or the sliding sunroof.

Running-in notes

TO PRESERVE THE ENGINE DURING THE FIRST 1500 KM:

- Drive at varying road speeds and engine speeds.
- Do not drive faster than 140 km/h.
- Drive the vehicle in drive program or .

Plug-in hybrid: use drive program , or .

- Then shift to the next higher gear at the very latest when the needle reaches the last third before the red area in the rev counter.
- Do not shift down manually in order to brake.
- Avoid overstraining the vehicle, e.g. by driving at full throttle.
- Do not depress the accelerator pedal past the pressure point (kickdown).
- Only increase the engine speed gradually and accelerate the vehicle to full speed after 1500 km.

This also applies when the engine or parts of the drivetrain have been replaced.

PLEASE ALSO OBSERVE THE FOLLOWING RUNNING-IN NOTES:

- In certain handling and driving safety systems, the sensors adjust automatically while a certain distance is being driven after the vehicle has been delivered or after repairs. Full system effectiveness is only reached when this teaching-in process has concluded.
- Brake pads, brake discs and tyres that are either new or have been replaced only achieve optimum braking effect and grip after driving several hundred kilometres. Compensate for the reduced braking effect by applying greater force to the brake pedal.

Engine output and engine torque (Mercedes-AMG vehicles)

The actual (maximum) values that can be achieved for engine output and engine torque may deviate from the certified values within the country-specific guidelines for permissible tolerances (basis: UN-ECE No. 85 or country-specific guidelines).

**INFLUENCING VARIABLES INCLUDE:**

- Location above sea level
- Fuel quality
- Outside temperature
- Engine and gearbox operating temperature

The engine operating temperature warning lamp will remain lit until the engine and the gearbox have reached their operating temperature. The temperature indicators on the driver display will also be blue.

Engine output and engine torque will be reduced. Factor this into your driving style.

When the engine operating temperature warning lamp goes out and the temperature indicators are white, full engine output and engine torque will be available.

- If the temperature indicators on the driver display are red, the temperatures are too high. Engine output and engine torque will be reduced again. Factor this into your driving style and observe the warning lamps and display messages that are shown on the driver display.

Notes on driving

⚠ WARNING

Risk of accident due to objects in the driver's footwell

Objects in the driver's footwell may impede pedal travel or block a depressed pedal.

This will jeopardise the operating and road safety of the vehicle.

- ▶ Stow all objects in the vehicle securely so that they cannot get into the driver's footwell.
- ▶ Make sure that there is always sufficient clearance for the pedals.
- ▶ Always fit the floor mats securely and as prescribed.
- ▶ Do not use loose floor mats and do not place floor mats on top of one another.



**⚠ WARNING**

Risk of accident due to incorrect footwear

INCORRECT FOOTWEAR INCLUDES, FOR EXAMPLE:

- shoes with platform soles
- shoes with high heels
- slippers

There is a risk of an accident.

- ▶ Always wear suitable footwear so that you can operate the pedals safely.

⚠ WARNING

Risk of accident if the vehicle is switched off while driving

If you switch off the vehicle while driving, safety functions are restricted or no longer available.

This may affect the power steering system and the brake force boosting, for example.

You will need to use considerably more force to steer and brake, for example.

- ▶ Do not switch off the vehicle while driving.

⚠ DANGER

Risk of fatal injuries due to exhaust gases

Combustion engines emit poisonous exhaust gases such as carbon monoxide. Breathing in these exhaust gases is hazardous to health and results in poisoning.

- ▶ Never leave the engine and, if present, the stationary heater, running in an enclosed space without sufficient ventilation.

⚠ WARNING

Risk of skidding and of an accident due to shifting down on slippery road surfaces

If you shift down on slippery road surfaces to increase the engine braking effect, the drive wheels may lose traction.

- ▶ Do not shift down on slippery road surfaces to increase the engine braking effect.

⚠ DANGER

Risk of fatal injury due to poisonous exhaust gases

If the tailpipe is blocked or sufficient ventilation is not possible, poisonous exhaust gases such as carbon monoxide may enter the vehicle. This is the case, for example, if the vehicle gets stuck in the snow.

- ▶ Keep the tailpipe and the area around the vehicle free from snow when the engine or the stationary heater is running.
- ▶ Open a window on the side of the vehicle facing away from the wind to ensure an adequate supply of fresh air.



**⚠ WARNING**

Risk of accident due to the brake system overheating

If you leave your foot on the brake pedal when driving, the brake system may overheat.

This increases the braking distance and the brake system can even fail.

- ▶ Never use the brake pedal as a footrest.
- ▶ Do not depress the brake pedal and the accelerator pedal at the same time while driving.

! NOTE

Engine damage due to excessive engine speed

You will damage the engine if you drive at excessive engine speeds.

- ▶ Do not drive at engine speeds in the red area of the rev counter, or shown in red in the driver display.

! NOTE

Causing wear to the brake linings by permanently depressing the brake pedal

- ▶ Do not permanently depress the brake pedal while driving.
- ▶ To use braking effect of the engine, shift to a lower gear in good time.

! NOTE

Damage to the drivetrain and engine when pulling away

- ▶ Do not warm up the engine while the vehicle is stationary. Pull away immediately.
- ▶ Avoid high engine speeds and driving at full throttle until the engine has reached its operating temperature.

! NOTE

Damage to the catalytic converter due to non-combusted fuel

The engine is not running smoothly and is misfiring.

Non-combusted fuel may get into the catalytic converter.

- ▶ Only depress the accelerator pedal slightly.
- ▶ Have the cause rectified immediately at a qualified specialist workshop.

! NOTE

Reduced battery life due to frequent short-distance trips

The 12 V battery may not be sufficiently charged when the vehicle is used only for short-distance trips. This reduces the life of the battery.

- ▶ Drive longer distances regularly to charge the battery.





! NOTE

Vehicle damage due to failure to observe the maximum permissible clearance height

If the vehicle height exceeds the maximum permissible clearance height, the roof and other vehicle parts may be damaged.

- ▶ Please observe the indicated maximum clearance height.
- ▶ If the vehicle exceeds the permissible clearance height, do not drive in.
- ▶ Take the modified vehicle height in the case of roof superstructures or other carrier systems into account.

i Please bear in mind that all speed values stated in this Owner's Manual are approximate values and are subject to a certain tolerance.

OBSERVE THE NOTES ON DRIVING WITH A ROOF LOAD, TRAILER OR FULLY LADEN VEHICLE.

Driving with a loaded roof luggage rack or trailer, or with the vehicle fully laden or occupied, changes the handling and steering characteristics of your vehicle.

THEREFORE PLEASE OBSERVE THE FOLLOWING NOTES:

- Do not exceed the permissible roof load and trailer load. Also observe the information in the technical data in this respect.
- Distribute the roof load and vehicle load evenly, and place heavy objects at the bottom. Also comply with the notes on loading the vehicle
(→ page 233).

- Drive with care. Avoid sudden starting, braking and steering manoeuvres or fast cornering.

NOTES ON DRIVING ON ROADS TREATED WITH DE-ICING SALT

The braking effect is limited on road surfaces treated with de-icing salt.

PLEASE THEREFORE BEAR IN MIND THE FOLLOWING NOTES:

- Due to salt build-up on the brake discs and brake linings, the braking distance can increase considerably or braking may be one-sided.
- Maintain a much greater safety distance to the vehicle travelling ahead.

REMOVE SALT BUILD-UP AS FOLLOWS:

- Brake occasionally, paying attention to the traffic conditions
- Carefully depress the brake pedal at the end of the journey and when starting the next journey

NOTES ON AQUAPLANING

Aquaplaning can take place if a certain depth of water has built up on the road surface.

OBSERVE THE FOLLOWING NOTES DURING HEAVY PRECIPITATION OR IN CONDITIONS IN WHICH AQUAPLANING MAY OCCUR:

- Reduce speed.
- Avoid tyre ruts.
- Avoid sudden steering movements.
- Brake carefully.

i Also observe the notes on regularly checking wheels and tyres
(→ page 47).



NOTES ON DRIVING THROUGH WATER ON THE ROAD

Water ingress can damage the engine, electrics and transmission.

Water can also enter the air intake of the engine and cause engine damage.

OBSERVE THE FOLLOWING IF YOU NEED TO DRIVE THROUGH WATER:

- The water, when calm, should reach no higher than the lower edge of the vehicle body.
- Drive at a walking pace at most, otherwise water may enter the vehicle interior or engine compartment.
- Vehicles travelling ahead, or oncoming vehicles, can create waves which may exceed the maximum permissible depth of water.

The braking effect of the brakes is reduced after fording. Brake carefully, paying attention to the traffic conditions, until the braking effect has been fully restored.

ECO start/stop function

ECO START/STOP FUNCTION

i Depending on the engine, the ECO start/stop function is not available in all drive programs. Observe the status indicator on the driver display concerning this.

i **Plug-in hybrid:** this function is not available.

THE ENGINE WILL BE SWITCHED OFF AUTOMATICALLY IN THE FOLLOWING SITUATIONS IF ALL VEHICLE CONDITIONS FOR AN AUTOMATIC ENGINE STOP ARE MET:

- You brake the vehicle to a standstill in transmission position **D** or **N**.
- Vehicles with a 48 V on-board electrical system:** you depress the brake pedal when travelling at a low speed.

IF THE SYSTEM HAS DETECTED ONE OF THE FOLLOWING SITUATIONS, THE ENGINE WILL NOT STOP:

- You stop at a stop sign and there is no vehicle in front of you.
- The vehicle that stopped in front of you pulls away again.
- You manoeuvre, turn the steering wheel sharply or engage reverse gear.

This prevents the engine from stopping briefly.

i If the system detects a stop inhibitor to prevent a short stop (e.g. a stop sign), the engine will not stop. If you activate the HOLD function or engage park position **P**, the engine can be switched off in spite of such a stop inhibitor.

THE ENGINE WILL RESTART AUTOMATICALLY IN THE FOLLOWING CASES:

- You engage transmission position **D** or **R**.
- You depress the accelerator pedal.
- The vehicle requires an automatic engine start.
- You release the brake pedal.
- Vehicles with a 48 V on-board electrical system:**
 - You release the brake pedal on a downhill gradient and the vehicle does not roll.





- The vehicle rolls on a downhill gradient and does not automatically enter gliding mode at 20 km/h.

ECO START/STOP FUNCTION SYMBOLS ON THE DRIVER DISPLAY:

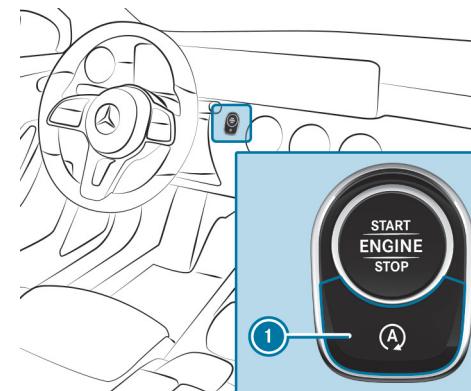
- The  symbol (green) appears when the vehicle is at a standstill: the engine was switched off by the ECO start/stop function.
- The  symbol (yellow) appears when the vehicle is at a standstill: not all vehicle conditions for an engine stop have been met.
- Neither the  nor the  symbol appears when the vehicle is at a standstill: a stop inhibitor to prevent a short stop has been detected (e.g. a stop sign).
- The  symbol appears: the ECO start/stop function is deactivated or there is a malfunction.

If the engine was switched off by the ECO start/stop function and you leave the vehicle, a warning tone will sound and the engine will not be restarted. In addition, the following display message will appear on the driver display:

Vehicle is operational Switch off vehicle before exiting

If you do not switch off the vehicle, it will automatically be switched off after three minutes.

SWITCHING THE ECO START/STOP FUNCTION ON/OFF



- ▶ Press button ①.

An indicator will appear on the driver display when you switch the ECO start/stop function on/off.

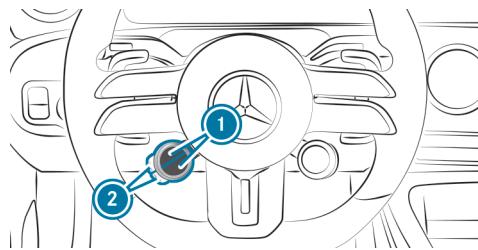
  will be shown permanently on the driver display while the ECO start/stop function is deactivated.

SWITCHING THE ECO START/STOP FUNCTION ON/OFF (MERCEDES-AMG VEHICLES)

Observe the notes on the ECO start/stop function in the vehicle Owner's Manual.

 You can also switch the ECO start/stop function on or off via the start/stop button or via the multimedia system.





- ▶ Press upper or lower display button ① repeatedly, until it displays the symbol.

If the display button does not show the symbol, then it is hidden. How functions are displayed and the order in which they are displayed can be set in the multimedia system (→ page 308).

- ▶ Press corresponding button ②.

THE SYMBOL INDICATES THE CURRENT STATUS OF THE ECO START/STOP FUNCTION:

- (red): switched off
- (green): activated
- (yellow): inactive

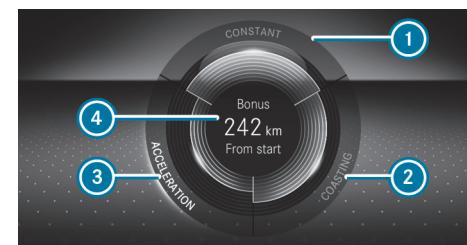
ECO display function

Depending on the model and equipment, your vehicle will have one of the following representations of the ECO display.

The ECO display summarises your driving characteristics from the start of the journey to its completion and assists you in achieving the most economical driving style.

THE ECO DISPLAY ASSESSES THE FOLLOWING CRITERIA FOR AN ECONOMICAL DRIVING STYLE:

- Coasting at the right times
- consistent speed
- moderate acceleration



THE LETTERING IN THE SEGMENT WILL LIGHT UP BRIGHTLY, THE OUTER EDGE WILL LIGHT UP AND THE SEGMENT WILL FILL UP WHEN THE FOLLOWING DRIVING STYLE IS ADOPTED:

- ① Steady speed
- ② Gentle deceleration and rolling
- ③ Moderate acceleration

THE LETTERING IN THE SEGMENT WILL BE GREY, THE OUTER EDGE WILL BE DARK AND THE SEGMENT WILL EMPTY WHEN THE FOLLOWING DRIVING STYLE IS ADOPTED:

- ① Fluctuations in speed
- ② Heavy braking



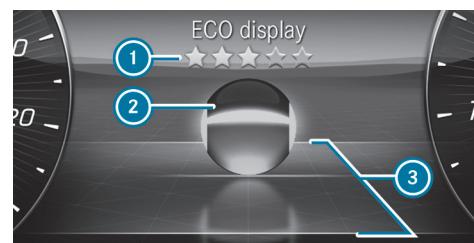


- ③ Sporty acceleration

THE ECO DISPLAY WILL SHOW YOU WHEN YOU HAVE DRIVEN ECONOMICALLY:

- The three segments will fill up completely at the same time
- The edge around all three segments will light up

The additional range achieved as a result of your driving style in comparison with a driver with a very sporty driving style will be shown in the centre of the display ④. The range displayed does not indicate a fixed reduction in consumption.



The ECO display shows an evaluation of your driving style on the driver's display depending on the situation. This enables you to check the efficiency of your driving style and adjust it if necessary. The **ECO display** menu shows a ball ② that will roll forwards or backwards in the direction of travel on a stylised road according to the driving characteristics.

Above and below the road, lines mark the area for an efficient driving style ③. Ball ② will light up in green if it is rolling within these lines. Outside the lines, the ball will light up in orange.

The overall assessment of your driving style "from start" is indicated using stars ①. It starts with five empty stars, which you can fill one after the other

if you drive efficiently. When all five stars are filled, a glow will appear in the background.

- i** You can call up the **ECO display** function via the **Classic** menu (→ page 436).

ECO Assist function (vehicles with 48 V on-board electrical system)

For plug-in hybrids, note the ECO Assist information (→ page 305).

- i** ECO Assist is active only in drive programs **[E]** and **[C]**.

ECO Assist analyses data for the vehicle's expected route. This allows the system to optimally adjust the driving style for the route ahead, save fuel and recuperate. If the system detects an event ahead and the vehicle nears the event, ECO Assist will calculate the optimum speed for maximum fuel economy and recuperative energy based on the distance, speed and downhill gradient.

If the deceleration provided by ECO Assist is not sufficient, you will also need to brake with the service brake. This will be the case particularly if, for example, you start driving again in slow-moving traffic and the distance to the vehicle in front is very short.





① "Foot off the accelerator" recommendation

② Route event ahead

If in drive program ④ a route event or vehicle that requires an adjustment of your driving style for more efficiency is detected ahead, symbol ② and symbol ③ (grey) will be displayed.

If you release the accelerator pedal, the ③ symbol will turn green and recuperation in overrun mode will be initiated. If the deceleration is not sufficient, also apply the service brake. If ECO Assist intervenes for a route event ahead (not for a vehicle in front) and you then press the accelerator pedal again, you will end control by ECO Assist.

THE ECO ASSIST DISPLAY WILL BE HIDDEN AGAIN IN THE FOLLOWING CASES:

- You do not react to the ECO Assist recommendation for a long time.
- You depress the accelerator pedal while ECO Assist is intervening for a route event ahead (not for a vehicle in front).
- ECO Assist cannot identify any further recommendations from the route ahead.

DEPENDING ON THE EQUIPMENT, ECO ASSIST WILL DETECT THE FOLLOWING ROUTE EVENTS ② IN ADDITION TO THE VEHICLE IN FRONT ③:

Roundabout



T-junction



Downhill gradient



Speed limit

- ⑤ In drive program ④, ECO Assist will react only to the "vehicle in front" route event without displaying the ③ route event or ③ recommendation.

SYSTEM LIMITS

If the calculated route is adhered to when route guidance is active, ECO Assist will operate with greater accuracy. The basic function is also available when route guidance is not active. Not all information and traffic situations can be foreseen. The quality depends on the map data.

ECO Assist is only an aid. The driver is responsible for keeping a safe distance from the vehicle in front, for vehicle speed and for braking in good time.

THE SYSTEM MAY BE IMPAIRED OR MAY NOT FUNCTION IN THE FOLLOWING SITUATIONS:

- if there is poor visibility, e.g. owing to insufficient illumination of the road, highly variable shade conditions, rain, snow, fog or heavy spray
- if there is glare, e.g. from oncoming traffic, direct sunlight or reflections
- if the windscreen is dirty in the vicinity of the multifunction camera
- if the multifunction camera is misted up, damaged or obscured
- if road signs are hard to detect (e.g. due to dirt, snow or insufficient lighting) or because they are obscured
- if the digital road map of the navigation system has incorrect or outdated information
- if signs are ambiguous (e.g. road signs in roadworks or in adjacent lanes)



- if the radar sensors are dirty or obscured
- when you drive on roads with steep gradients
- if there are narrow vehicles in front, such as bicycles or motorcycles

Recuperative brake system (plug-in hybrid)

FUNCTION OF THE REGENERATIVE BRAKE SYSTEM

- i** The function is only available for plug-in hybrids.

The regenerative brake system converts the vehicle's kinetic energy into electrical energy during overrun mode and braking.

Depending on the selected recuperation level, the electric motor is operated as an alternator when in overrun mode and during braking in order to charge the high-voltage battery while driving. As soon as you take your foot off the accelerator while driving in transmission position **D** or **R**, recuperation starts in overrun mode.

The higher the recuperation, the more sharply the vehicle is braked when coasting and the more electrical energy is fed into the high-voltage battery.

The deceleration in overrun mode may not be sufficient depending on the driving situation. There is no deceleration to a standstill. Also brake with the service brake if necessary. Always adapt your speed to the driving situation and keep sufficient distance.

- i** If you brake heavily, the mechanical brake is also used. This means that the maximum recuperation energy cannot be recovered. The more proactively you accelerate and brake, the more efficiently energy can be recuperated.

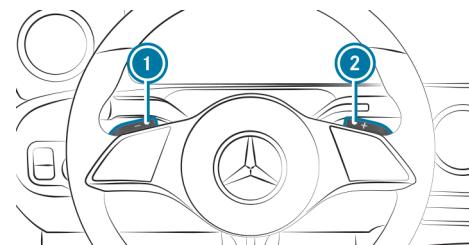
SYSTEM LIMITS

WITH RECUPERATION IN OVERRUN MODE, THE BRAKING EFFECT OF THE ELECTRIC MOTOR IS ONLY REDUCED OR NON-EXISTENT IN THE FOLLOWING SITUATIONS:

- when the high-voltage battery state of charge increases
- if the high-voltage battery is not yet at a normal operating temperature

MANUALLY SETTING REGENERATIVE DECELERATION

- i** The function is only available for a plug-in hybrid.
You can use the steering wheel gearshift paddles to adjust the intensity of recuperation in overrun mode in drive programs **H**, **B** and **EL** in transmission position **D**.



THE FOLLOWING RECUPERATION LEVELS ARE AVAILABLE:

- **D AUTO** Intelligent, anticipatory recuperation with ECO Assist
(→ page 305)
- **D +** No recuperation: the vehicle rolls freely
- **D** Normal recuperation
- **D -** Increased recuperation: Strong vehicle deceleration in overrun mode, e.g. for driving downhill





DEFAULT SETTING:

- **D **AUTO****: If the ECO Assist function in the multimedia system is switched on (→ page 307).
- **D**: If the ECO Assist function in the multimedia system is switched off.

i **D **AUTO**** is only available if the ECO Assist function in the multimedia system is switched on and if the function of the radar sensors is not impaired. Please also note the information on the vehicle sensors and cameras (→ page 365).

- ▶ Select transmission position **D**.
- ▶ **Increase recuperation:** Pull shift paddle ① briefly.
- ▶ **Reduce recuperation:** Pull shift paddle ② briefly.
- ▶ **Default setting:** Pull and hold shift paddle ① or ② re-engage transmission position **D**.

i When the vehicle is started again, the standard setting is also set.

When changing to transmission position **R**, the current recuperation level is adopted with the exception of **D **AUTO****. If **D **AUTO**** was previously selected, the vehicle deceleration of the recuperation level **D** is set in transmission position **R**. With a subsequent change to transmission position **D**, the previously selected variable recuperation **D **AUTO**** is set again.

The driver display shows the currently set recuperation level next to the transmission position display.

ECO Assist (plug-in hybrid)

ECO ASSIST FUNCTION

- i** The following function depends on the equipment and the country and is available only for plug-in hybrids.

ECO Assist analyses data for the vehicle's expected route. This allows the system to help optimally adjust your driving style for the route ahead, save fuel and recuperate. If the system detects an event ahead and the vehicle nears the event, ECO Assist will calculate the optimum speed for maximum fuel economy and recuperative energy based on the distance, speed and downhill gradient.

If the deceleration provided by ECO Assist is not sufficient, you will also need to brake with the service brake. This will be the case particularly if, for example, you start driving again in slow-moving traffic and the distance to the vehicle in front is very short.

THE FUNCTION WILL BE ACTIVE IN THE FOLLOWING CIRCUMSTANCES:

- The function is activated in the multimedia system (→ page 307).
- The **D **AUTO**** recuperation level is selected (→ page 304).
- Manual shifting **M** is not activated.
- Drive program **S** is not selected.





① "Foot off the accelerator" recommendation

② Route event ahead

If a route event that you can deal with more efficiently by adjusting your driving style is detected ahead, corresponding symbol ② and the  symbol will be displayed in grey.

If you release the accelerator pedal, the  symbol will turn green and recuperation in overrun mode will be initiated. If the deceleration is not sufficient, also apply the service brake.

If ECO Assist intervenes for a route event ahead and you press the accelerator pedal, you will end control by ECO Assist. This does not apply in the case of a vehicle in front.

THE ECO ASSIST DISPLAY WILL BE HIDDEN AGAIN IN THE FOLLOWING CASES:

- You do not react to the ECO Assist recommendation for a long time.
- You depress the accelerator pedal while ECO Assist is intervening because of a route event ahead. This does not apply in the case of a vehicle in front.
- ECO Assist cannot identify any further recommendations from the route ahead.

IN ADDITION TO A VEHICLE IN FRONT , ECO ASSIST CAN DETECT THE FOLLOWING ROUTE EVENTS ② DEPENDING ON THE VEHICLE'S EQUIPMENT:

- | | |
|---|-------------------|
|  | Roundabout |
|  | Sharp bend |
|  | Junction |
|  | T-junction |
|  | Downhill gradient |
|  | Speed limit |

SYSTEM LIMITS

If the calculated route is adhered to when route guidance is active, ECO Assist will operate with greater accuracy. The basic function is also available when route guidance is not active. Not all information and traffic situations can be foreseen. The quality depends on the map data.

ECO Assist is only an aid. The driver is responsible for keeping a safe distance from the vehicle in front, for vehicle speed and for braking in good time.

THE SYSTEM MAY BE IMPAIRED OR MAY NOT FUNCTION IN THE FOLLOWING SITUATIONS:

- if there is poor visibility, e.g. owing to insufficient illumination of the road, highly variable shade conditions, rain, snow, fog or heavy spray
- if there is glare, e.g. from oncoming traffic, direct sunlight or reflections
- if the windscreen is dirty in the vicinity of the multifunction camera
- if the multifunction camera is misted up, damaged or obscured
- if road signs are hard to detect (e.g. due to dirt, snow or insufficient lighting) or because they are obscured





- if the digital road map of the navigation system has incorrect or outdated information
- if signs are ambiguous (e.g. road signs in roadworks or in adjacent lanes)
- if the radar sensors are dirty or obscured
- when you drive on roads with steep gradients
- if there are narrow vehicles in front, such as bicycles or motorcycles

ACTIVATING AND DEACTIVATING ECO ASSIST

Multimedia system:

▶

- ▶ Activate or deactivate the function.

Function of the route-based operating-mode strategy (plug-in hybrid)

The following function is country-dependent and available only in conjunction with an integrated navigation system.

THE ROUTE-BASED OPERATING-MODE STRATEGY WILL BE ACTIVE IN THE FOLLOWING CIRCUMSTANCES:

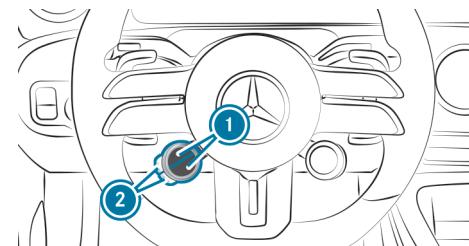
- Drive program is selected .
- The **Route-based** option is selected for drive program on the **DYNAMIC SELECT** menu (→ page 313).
- Route guidance is active.
- The state of charge of the high-voltage battery is sufficient.

When the function is active, data on the further course of the route will be analysed. This includes e.g. road type, speed limits and elevation data.

THE HYBRID SYSTEM WILL THEN ADAPT THE OPERATING STRATEGY TO THE FURTHER COURSE OF THE ROUTE:

- Use of electrical energy and the combustion engine will be adapted.
- The state of charge of the high-voltage battery will be controlled accordingly.
- Electrical energy will be reserved especially for electric mode, e.g. urban route sections or areas with low emission zones.
- The vehicle will automatically select the operating mode.

Function of the AMG steering wheel buttons



The AMG steering wheel buttons are an additional control element with two buttons on the steering wheel.

You can assign two vehicle functions of your choice to the control element. You can change between the available functions for the corresponding button ① by pressing the upper or lower part of the display buttons ② repeatedly. The display buttons ① show each function selected.

THE FOLLOWING FUNCTIONS ARE AVAILABLE DEPENDING ON THE EQUIPMENT:



ESP® (→ page 369)





- AMG RIDE CONTROL (→ page 406)
- Manual gearshifting (→ page 324)
- ECO start/stop function
(→ page 300)
- Camera views (→ page 412)
- AMG DYNAMICS (→ page 311)

In addition, all the functions you have saved as favourites in the multimedia system are available for selection. Information on favourites (→ page 485).

i Individual functions may be hidden. How functions are displayed and the order in which they are displayed can be set in the multimedia system (→ page 308).

If you have assigned a specific function to one of the display buttons ①, you can operate this function with the corresponding button ②.

The assignment of the display buttons ① remains stored even after a vehicle restart. But the operating status of the respective function is reset to the default.

Setting the AMG steering wheel buttons

Multimedia system:

▶▶ Settings ►► System ►► Control elements
►► AMG steering-wheel buttons

OVERVIEW OF THE AMG SETTINGS SELECT MENU

The left display buttons on the steering wheel can be set in the **SETTINGS SELECT** menu.



(Example of representation) Representation and arrangement of content equipment-dependent.

- ① Selection area for the available functions
 - ② Adjustable steering wheel buttons
 - ③ Calls up setting mode
- ▶ Select the appropriate steering wheel button.

SETTING THE STEERING WHEEL BUTTONS

i The **SETTINGS SELECT** menu can also be called up using the **DYNAMIC SELECT** button or by a long press on the respective display button.

- ▶ Select the upper or lower display button in the media display.





- ▶ Press ③ and select the desired function for assignment from ①.

 The setting mode can also be called up by pressing and holding the current assignment in selection area ①.

ADDING NEW FUNCTIONS FOR SELECTION

- ▶ Select the upper or lower display button in the media display.
- ▶ Press in selection area ① and select the desired function from the list.
The selected function is assigned to selection area ① and can be selected from there for the steering wheel buttons.

DELETING BUTTON ASSIGNMENT

- ▶ Select the upper or lower display button in the media display.
- ▶ Press ③.
- ▶ Press for the respective function in selection area ① to delete the selected assignment of the display button.





< DYNAMIC SELECT

Function of DYNAMIC SELECT

DYNAMIC SELECT allows a drive program to be selected quickly according to the current driving conditions or the desired vehicle characteristics. You will be able to select the following drive programs.

- Depending on the engine line-up and equipment, the vehicle will have different drive programs.

The drive program selected will appear on the driver display.

I INDIVIDUAL

- Custom settings (→ page 313)

S SPORT

- Maximum output is available
- Sporty driving
- Sporty, but with an emphasis on stability
- Enables a sporty driver to adopt a more active driving style
- Driving with the combustion engine and reinforced boost effect (plug-in hybrid)
- Deactivation of the combustion engine when stationary (plug-in hybrid)

- Suitable only for good road conditions, a dry surface and a clear stretch of road

H HYBRID (PLUG-IN HYBRID)

- Comfortable and economical driving
- Balance between traction and stability
- Recommended for all road conditions
- Full development of all intelligent hybrid functions
- Adjustable recuperation in overrun mode
- The selection of the appropriate drive type by the hybrid system depends on the driving conditions and the route

C COMFORT

- Comfortable and economical driving
- Balance between traction and stability
- Recommended for all road conditions

EL ELECTRIC (PLUG-IN HYBRID)

- Electric mode – driving without the combustion engine is possible up to approximately 140 km/h
- Adjustable recuperation in overrun mode
- Adaptation of Active Distance Assist DISTRONIC for electric mode





- Depending on the equipment, the maximum set speed for cruise control, the limiter and Active Distance Assist DISTRONIC can be limited to the maximum speed possible in electric mode
- Activation of the combustion engine via the pressure point of the accelerator pedal (kickdown)

[B] BATTERY HOLD (PLUG-IN HYBRID)

- Prioritises maintaining the state of charge of the high-voltage battery, e.g. for subsequent journeys in inner cities/low-emission zones
- The selection of the appropriate drive type by the hybrid system depends on the driving conditions and the route
- Adjustable recuperation in overrun mode

[E] ECO

- Particularly economical driving
- Balance between traction and stability
- Recommended for all road conditions

(i) The ESP® settings in the **[E]** and **[C]** drive programs are designed for stability. Therefore, choose one of these drive programs especially when transporting roof loads, in trailer operation and when the vehicle is fully laden or fully occupied.

Plug-in hybrid: this also applies to drive programs **[H]**, **[EL]** and **[B]**.

DEPENDING ON THE DRIVE PROGRAM, THE FOLLOWING SYSTEMS WILL CHANGE THEIR CHARACTERISTICS:

- Drive
 - Engine and transmission management
 - Active Distance Assist DISTRONIC
 - Availability of gliding mode
- ESP®
- Vehicles with adaptive damping adjustment:** suspension
- Steering
- Sound characteristics of the engine in the vehicle interior (equipment-dependent)

Function of DYNAMIC SELECT (Mercedes-AMG vehicles)

DYNAMIC SELECT allows a drive program to be selected quickly according to the current driving conditions or the desired vehicle characteristics.

YOU CAN SELECT THE FOLLOWING DRIVE PROGRAMS:

- [Slippery]** **Slippery**
 - Optimised pulling-away and driving characteristics in wintry and slippery road conditions
- [Comfort]** **Comfort**
 - Comfortable and economical driving
- [Individual]** **Individual**
 - Custom settings for drive system, transmission, AMG DYNAMICS, suspension and sound
- [Sport]** **Sport**





- Sporty driving
- Balance between stability and sportiness
- Suitable only for good road conditions, a dry surface and a clear stretch of road
- **S+** Sport+
 - Particularly sporty driving
 - Suitable only for good road conditions, a dry surface and a clear stretch of road

Mercedes-AMG recommends selecting the **C** drive program when in city traffic or stop-and-go traffic.

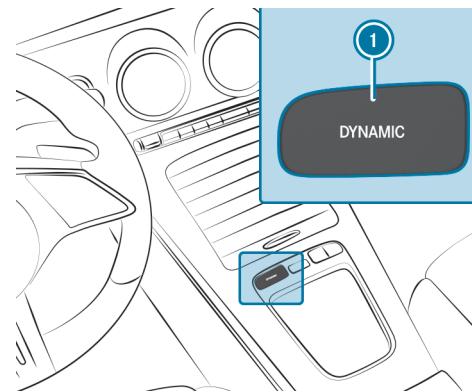
DEPENDING ON THE DRIVE PROGRAM SELECTED, THE FOLLOWING VEHICLE CHARACTERISTICS WILL CHANGE:

- Drive
- AMG DYNAMICS
 - The three agility functions – Basic, Advanced and Pro – will be selected automatically depending on the drive program.
 - The steering, shift timing point, all-wheel drive and stabilisation functions will be adapted to the selected drive program.
- Suspension
- Steering

i You can set the drive program characteristics using the multimedia system (→ page 316).

i You can adjust certain agility functions of AMG DYNAMICS using the AMG steering-wheel buttons.

Selecting a drive program



► Press DYNAMIC SELECT button ① repeatedly until the selected drive program appears on the driver display.

or

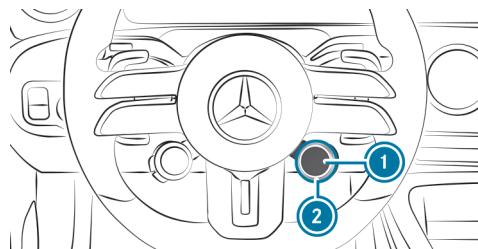
► Press DYNAMIC SELECT button ① and select the drive program on the DYNAMIC SELECT menu on the central display.





Selecting a drive program (Mercedes-AMG vehicles)

SELECTION WITH THE RIGHT-HAND AMG STEERING-WHEEL BUTTON



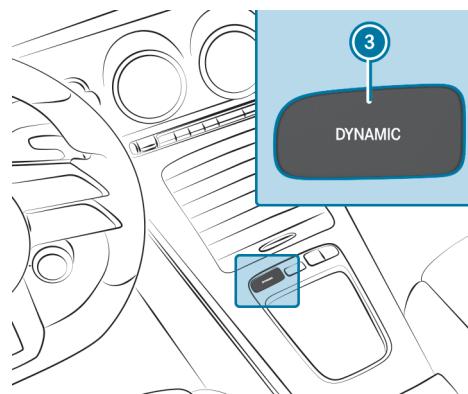
- ▶ Turn rotary switch ②.

The selected drive program will appear on display button ① and on the driver display.

i Individual drive programs may not be shown. How drive programs are displayed and the order in which they are displayed can be set in the multimedia system (→ page 316).

- ▶ **To set the drive program properties:** press display button ①.

SELECTION VIA THE CENTRAL DISPLAY (MULTIMEDIA SYSTEM)



- ▶ Push DYNAMIC SELECT button ③ and select the drive program via the central display and set its properties (→ page 316).

Configuring DYNAMIC SELECT in the multimedia system

Multimedia system:

▶ ► ► ► DYNAMIC SELECT

SETTING THE I DRIVE PROGRAM

- ▶ Select **Individual**.
- ▶ Select .
- ▶ Select a category from the list and set it.

i A sporty ESP mode can be set in conjunction with a sporty suspension mode.



SETTING THE H DRIVE PROGRAM (PLUG-IN HYBRID)

- ▶ Select [Hybrid](#).
- ▶ Select [Route-based](#) or [Standard](#).

If route guidance is active and the [Route-based](#) option has been activated, the electrical energy is distributed intelligently over the entire route. In built-up areas, electric mode is preferred, while on the motorway the combustion engine is used.

With the [Standard](#) option, the vehicle drives in its standard drive program ( [Electric](#) or  [Hybrid](#)). There is no distribution of electrical energy over the entire route. The high-voltage battery is exhausted and the vehicle is then driven by the combustion engine.

SWITCHING THE RESET DISPLAY ON/OFF

- ▶ Activate or deactivate [Ask when starting](#).

 This function must be activated for each user profile separately. Only when this function is activated will the drive program and ECO start/stop setting for the previous journey be saved for the respective user profile.

Function on: the next time the vehicle is started a prompt appears asking whether the last active drive program should be restored. If the ECO start/stop function was deactivated, an additional prompt appears asking if the function should remain deactivated.

 The prompt appears only if the previously active settings deviate from the standard settings.

 Restoration of the ECO start/stop function setting is dependent on the ECO start/stop function behaviour (→ page 76).

Function off: the next time the vehicle is started the  drive program is set automatically. The ECO start/stop function is activated automatically.

SWITCHING THE RESET DISPLAY ON/OFF (PLUG-IN HYBRID)

- ▶ Activate or deactivate [Ask when starting](#).

 This function must be activated for each user profile separately. The drive program for the respective user profile of the last driver is only stored if this function is activated.

Function on: the next time the vehicle is started a prompt appears asking whether the last active drive program should be restored.

 The prompt appears only if the previously active settings deviate from the standard settings.

Function off: if the  drive program was the last one active, and all requirements for the drive program are fulfilled, this will be automatically selected the next time the vehicle is started. If another drive program was active and the requirements for the  drive program are not met, the  drive program is automatically set.





Displaying vehicle data

Multimedia system:



- Select [Vehicle](#).

The vehicle data is displayed.

The values displayed serve only as guidance. The values for engine output and engine torque shown in the media display may deviate from the actual values.

The warning lamp to show the power output limitation after starting the vehicle is not available in all vehicle models.

Displaying engine data

Multimedia system:



- Select [Engine](#).

The engine data is displayed.

The actual maximum values that can be achieved for engine output and engine torque may deviate from the certified values within the country-specific guidelines for permissible tolerances (basis: UN-ECE No. 85 or country-specific guidelines).

INFLUENCING VARIABLES INCLUDE:

- Sea level
- Fuel quality
- Outside temperature
- Operating temperature of the engine

Adjust your driving style accordingly.

The warning lamp in the driver display is on until the engine has reached operating temperature.

Calling up the fuel consumption indicator

Multimedia system:



- Select [Consumption](#).

The current and average fuel consumption will be displayed.





Setting AMG DYNAMIC SELECT in the MBUX multimedia system

Multimedia system:

▶ Settings ▶ Vehicle ▶ DYNAMIC SELECT

OVERVIEW OF THE AMG DYNAMIC SELECT MENU



(Example of representation) Representation and arrangement of content equipment-dependent.

- ① Drive programs
- ② AMG drive program settings
- ③ ESP® and quick-access buttons (→ page 369)
- ④ Edits settings

i The AMG DYNAMIC SELECT menu can also be called up using the DYNAMIC SELECT button.

- ▶ Select the appropriate drive program.

The settings of the drive programs can be adjusted individually. The setting mode for the drive programs can also be called up by pressing and holding the current configuration in selection area ①.

- ▶ Select the desired tab on the left and make the relevant setting.

SETTING OPTIONS FOR THE DRIVE PROGRAMS (EQUIPMENT-DEPENDENT):

- AMG DYNAMICS:
Basic/Advanced/Pro
- Sound:
Balanced/Powerful
- Transmission:
Manual/automatic
- Drive (can only be set in the Individual drive program):
Reduced/Moderate/Sport/Dynamic
- Suspension:
Comfort/Sport/Sport+

SETTING THE I DRIVE PROGRAM

- ▶ Select Individual.
- ▶ Select and set a category.

i A sporty ESP mode can be set in conjunction with a sporty suspension mode.





Automatic transmission

DIRECT SELECT lever

FUNCTION OF THE DIRECT SELECT LEVER

WARNING

Risk of accident due to incorrect gearshifting

If the engine speed is higher than the idle speed and you engage the transmission position **D** or **R**, the vehicle may accelerate sharply.

- If you engage the transmission position **D** or **R** when the vehicle is at a standstill, always depress the brake pedal firmly and do not accelerate at the same time.

WARNING

Accident- and risk of injury with unsupervised children in the vehicle

IF YOU LEAVE CHILDREN UNATTENDED IN THE VEHICLE, THEY CAN IN PARTICULAR

- Open doors and thereby endanger other persons or road users.
- get out of the car and are hit by traffic.
- Operate vehicle equipment and become trapped, for example.

IN ADDITION, THE CHILDREN COULD ALSO SET THE VEHICLE IN MOTION, FOR EXAMPLE BY:

- releasing the parking brake.
- change the gearbox setting.
- start the vehicle.
- Never leave children unattended in the vehicle.
- When leaving the vehicle, always take the SmartKey with you and lock the vehicle.
- Keep the key out of reach of children.



**⚠ WARNING**

Risk of accident and injury when the transmission position is not engaged

The current transmission position will be highlighted on the driver's display.

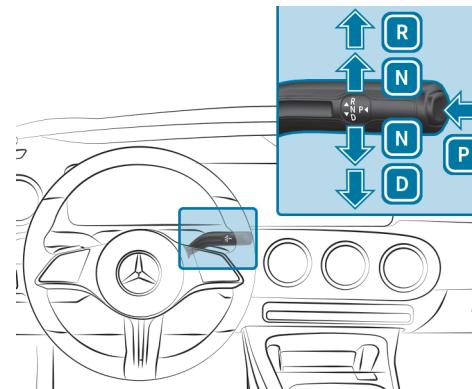
If the selected transmission position is not highlighted, the vehicle may pull away in the wrong direction or roll away.

- ▶ After changing the transmission position, always check the transmission position display on the driver's display.

If the transmission position is not highlighted on the driver's display even after a short time:

- ▶ Pay attention to the display messages.
- ▶ Pull away carefully and check the engaged transmission position.
- ▶ When parking, engage the parking brake and secure the vehicle against rolling away.
- ▶ Have the transmission checked immediately at a qualified specialist workshop.

Use the DIRECT SELECT lever to switch the transmission position. The current transmission position will be highlighted on the driver display.



P Park position

R Reverse gear

N Neutral

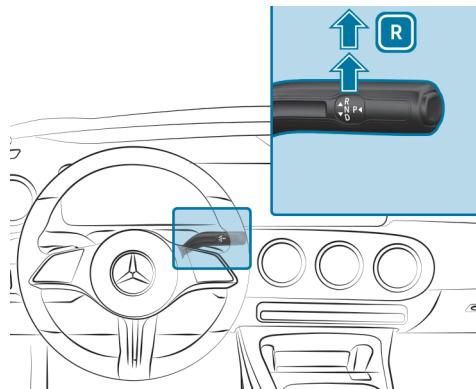
D Drive position

ENGAGING REVERSE GEAR R**⚠ WARNING**

Risk of accident due to incorrect gearshifting

If the engine speed is higher than the idle speed and you engage the transmission position **D** or **R**, the vehicle may accelerate sharply.

- ▶ If you engage the transmission position **D** or **R** when the vehicle is at a standstill, always depress the brake pedal firmly and do not accelerate at the same time.



- ▶ Depress the brake pedal and push the DIRECT SELECT lever upwards past the first point of resistance.

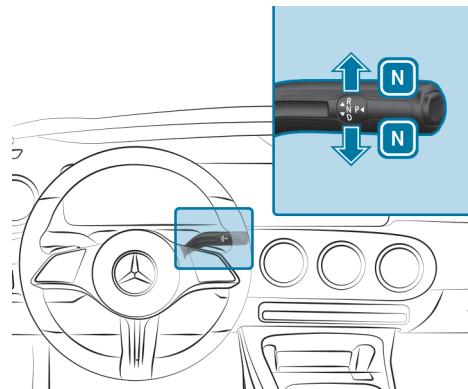
ENGAGING NEUTRAL N

⚠ WARNING

Risk of accident due to incorrect gearshifting

If the engine speed is higher than the idle speed and you engage the transmission position **D** or **R**, the vehicle may accelerate sharply.

- ▶ If you engage the transmission position **D** or **R** when the vehicle is at a standstill, always depress the brake pedal firmly and do not accelerate at the same time.



- ▶ Depress the brake pedal and push the DIRECT SELECT lever up or down to the first point of resistance.

- ⓘ To shift into neutral **N** with the vehicle switched on, push the selector lever up or down for several seconds to the first point of resistance.

Subsequently releasing the brake pedal will allow you to move the vehicle freely, e.g. to push it or tow it away.

PROCEED AS FOLLOWS IF YOU WANT THE AUTOMATIC TRANSMISSION TO REMAIN IN NEUTRAL **N, EVEN IF THE VEHICLE IS SWITCHED OFF OR THE DRIVER'S DOOR IS OPENED:**

- ▶ Depress the brake pedal and engage neutral **N** when the vehicle is at a standstill.
- ▶ Release the brake pedal.
- ▶ Switch off the vehicle.

The **Risk of vehicle rolling away N activated manually No automatic switch to P** message will appear on the driver display.





-  If you then exit the vehicle leaving the key in the vehicle, the automatic transmission will remain in neutral **N**.

PARK POSITION **[P] WILL AUTOMATICALLY BE RE-ENGAGED AS SOON AS ONE OF THE FOLLOWING CONDITIONS IS MET:**

- You switch to transmission position **D** or **R**.
- You press the button **[P]**.

ENGAGING PARK POSITION P

 **WARNING**

Accident- and risk of injury with unsupervised children in the vehicle

IF YOU LEAVE CHILDREN UNATTENDED IN THE VEHICLE, THEY CAN IN PARTICULAR

- Open doors and thereby endanger other persons or road users.
- get out of the car and are hit by traffic.
- Operate vehicle equipment and become trapped, for example.

IN ADDITION, THE CHILDREN COULD ALSO SET THE VEHICLE IN MOTION, FOR EXAMPLE BY:

- releasing the parking brake.
 - change the gearbox setting.
 - start the vehicle.
- Never leave children unattended in the vehicle.
- When leaving the vehicle, always take the SmartKey with you and lock the vehicle.
- Keep the key out of reach of children.

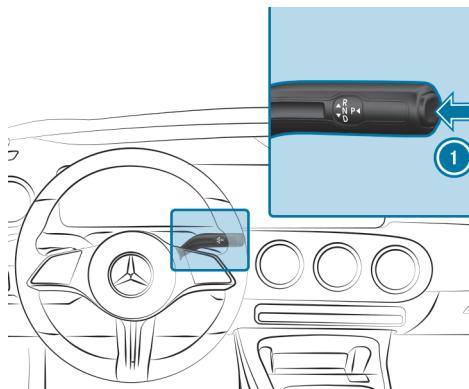



! NOTE

Damage due to engaging park position **P** while the vehicle is rolling

If you shift the transmission into park position **P** while the vehicle is rolling, the transmission may be damaged.

- ▶ If the vehicle is rolling, do not open a door.
- ▶ Only engage the park position **P** when the vehicle is stationary.



- ▶ Observe the notes on parking the vehicle (→ page 357).
 - ▶ Depress the brake pedal until the vehicle comes to a standstill.
 - ▶ When the vehicle is stationary, press button **1**.
- When the **P** transmission position display is shown, park position is engaged. If the **P** transmission position display is not shown, apply the parking brake and secure the vehicle to prevent it from rolling away.

- i** Depending on the situation, it may take a short time until **P** is engaged. Therefore, always pay attention to the transmission position display.

PARK POSITION **P WILL BE ENGAGED AUTOMATICALLY IF ONE OF THE FOLLOWING CONDITIONS IS MET:**

- You switch the stationary vehicle off in transmission position **D** or **R**.
- You open the driver's door when the vehicle is stationary in transmission position **D** or **R**.
- When the vehicle is rolling, you switch it off in transmission position **D** or **R** and bring it to a standstill.
- When the vehicle is rolling, you shift to transmission position **N**, bring the vehicle to a standstill and open the driver's door when the vehicle is stationary.
- Engaging park position **P** automatically is required by the vehicle.

- i** To manoeuvre with the driver's door open, open the driver's door while the vehicle is stationary and engage transmission position **D** or **R** again.

- i** At very low outside temperatures below approximately -20 °C, it may not be possible to shift the transmission from **P** to another transmission position when the vehicle is switched off. If this is the case, change the transmission position only while the vehicle is switched on.





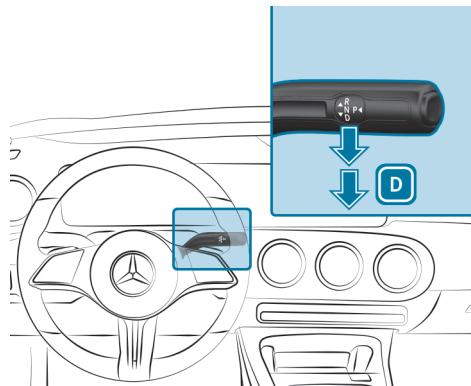
ENGAGING DRIVE POSITION D

⚠ WARNING

Risk of accident due to incorrect gearshifting

If the engine speed is higher than the idle speed and you engage the transmission position **D** or **R**, the vehicle may accelerate sharply.

- ▶ If you engage the transmission position **D** or **R** when the vehicle is at a standstill, always depress the brake pedal firmly and do not accelerate at the same time.



- ▶ Depress the brake pedal and push the DIRECT SELECT lever down past the first point of resistance.

WHEN THE AUTOMATIC TRANSMISSION IS IN TRANSMISSION POSITION **D, IT WILL SHIFT GEARS AUTOMATICALLY. THIS DEPENDS, AMONG OTHER THINGS, ON THE FOLLOWING FACTORS:**

- The selected drive program
- The position of the accelerator pedal
- The vehicle speed

Problems with the transmission

THE TRANSMISSION IS EXPERIENCING FAULTY GEAR SHIFTS

POSSIBLE CAUSE:

- The transmission is losing oil.
- ▶ Have the transmission checked at a qualified specialist workshop immediately.

THE ACCELERATION CHARACTERISTICS ARE GETTING WORSE AND THE TRANSMISSION IS NO LONGER SHIFTING.

POSSIBLE CAUSE:

- The transmission is in emergency operation mode.
- ▶ Stop the vehicle in accordance with the traffic conditions.
- ▶ Shift the transmission to position **P**.
- ▶ Switch off the vehicle.
- ▶ Wait at least ten seconds.
- ▶ Start the vehicle again.
- ▶ Shift the transmission to position **D**.
- ▶ Have the transmission checked at a qualified specialist workshop immediately.





Rocking the vehicle free (Mercedes-AMG vehicles)

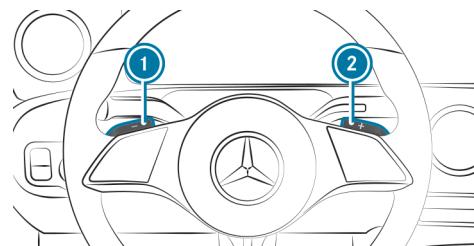
Rocking the vehicle free may help to free the vehicle if it has become stuck in slush or snow.

To rock the vehicle free, move the DIRECT SELECT lever upwards and downwards past the point of resistance to switch between transmission positions **D** and **R**.

- i** The maximum speed for rocking the vehicle free is approximately 9 km/h.

Manual gearshifting

- i** For plug-in hybrids, observe the information regarding the regenerative brake system (→ page 304).



When the automatic transmission is shifted to position **D**, you can shift it manually with the steering wheel gearshift paddles. If permitted, the automatic transmission will shift to a higher or lower gear depending on the steering wheel gearshift paddle pulled.

YOU HAVE TWO OPTIONS FOR MANUALLY SHIFTING THE AUTOMATIC TRANSMISSION:

- Temporary setting
- Permanent setting

The gears will shift automatically when manual shifting is deactivated.

Temporary setting:

- ▶ **To activate:** pull steering wheel gearshift paddle **①** or **②**.
Manual shifting will be activated for a short time. The transmission position display will show **M** and the current gear.

- i** How long manual shifting stays activated depends on various factors.

MANUAL SHIFTING CAN BE DEACTIVATED AUTOMATICALLY IN THE FOLLOWING CASES:

- When the drive program is changed
- When the vehicle is restarted
- When transmission position **D** is engaged again
- Driving style

- ▶ **To shift up:** pull steering wheel gearshift paddle **②**.
- ▶ **To shift down:** pull steering wheel gearshift paddle **①**.
If you pull and hold steering wheel gearshift paddle **①**, the transmission will shift down to the lowest possible gear.



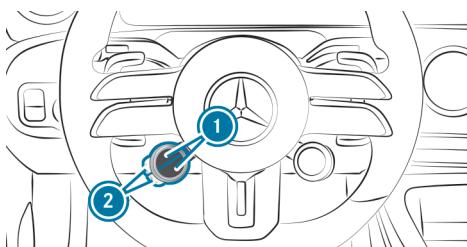
- ▶ **To deactivate:** pull and hold steering wheel gearshift paddle ②.

The transmission position display will show ④.

ⓘ You can activate or deactivate manual shifting permanently in the multimedia system.

Manual shifting (Mercedes-AMG vehicles)

ⓘ You can also permanently activate and deactivate manual gear-shifting via the multimedia system (→ page 325).



- ▶ Press upper or lower display button ① repeatedly until it displays the ④ or ⑤ symbol.

ⓘ If the display button does not show the symbol, then it is hidden. How functions are displayed and the order in which they are displayed can be set in the multimedia system (→ page 308).

- ▶ **To activate/deactivate:** press the corresponding button ②.

THE SYMBOL INDICATES THE CURRENTLY SELECTED TRANSMISSION POSITION:

- ④ (red): manual shifting
- ⑤ (blue): automatic transmission

SHIFTING UP AND DOWN

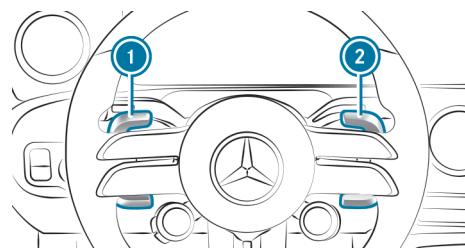
! NOTE

Damage to the engine due to shifting up too late

The automatic transmission does not shift up in manual mode even when the engine's limiting speed is reached.

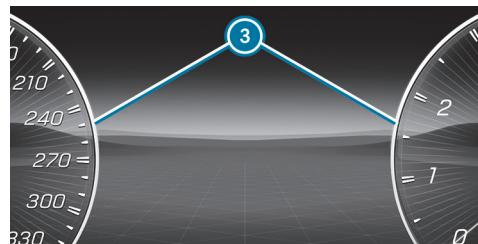
The fuel supply is interrupted in order to prevent the engine from overrevving.

- ▶ Shift up before the engine speed reaches the red area in the rev counter.



- ▶ **To shift up:** pull steering wheel gearshift paddle ②.
- ▶ **To shift down:** pull steering wheel gearshift paddle ①.





If the engine speed is too high or too low, you will not be able to change gear using the steering wheel gearshift paddles. In this case, segments ③ will light up red on the driver's display.

Permanently activating/deactivating manual shifting

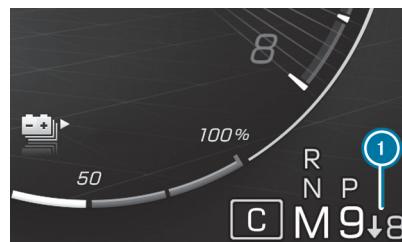
Multimedia system:

➤ ➤ Settings ➤ Vehicle ➤ Driving

- ▶ Permanently activate or deactivate the function.

Gearshift recommendation

The gearshift recommendation assists you in adopting an economical driving style.



- ▶ If gearshift recommendation ① appears next to the transmission position display, shift to the recommended gear.

Using kickdown

- ▶ **Maximum acceleration:** depress the accelerator pedal beyond the point of resistance.

To protect against engine overrev, the automatic transmission will shift up to the next gear when maximum engine speed has been reached.

Glide mode function

Glide mode helps you to reduce fuel consumption when you employ an anticipatory driving style.

GLIDE MODE IS CHARACTERISED BY THE FOLLOWING:

- The combustion engine is disconnected from the drivetrain and continues to run in neutral.
- The transmission position display ④ is shown in green.
- **Vehicles with 48 V on-board electrical system:** the combustion engine is switched off depending on the driving situation. All the vehicle functions will remain active.

GLIDE MODE WILL BE ACTIVATED IF THE FOLLOWING CONDITIONS ARE MET:

- Drive program ⑤ is selected.
- The speed is within a suitable range.
- The road's course is suitable, e.g. no steep inclines or tight bends.
- The state of charge of the battery is sufficient.



- You do not depress the accelerator or brake pedal (except for light brake applications).

(i) Glide mode can also be activated if you have selected the "Eco" setting for the drive in the drive program .

Glide mode will be deactivated again if one of the conditions is no longer met.

Vehicles with Active Distance Assist DISTRONIC: when Active Distance Assist DISTRONIC is active, the glide mode function is not available.

GLIDE MODE CAN ALSO BE PREVENTED BY THE FOLLOWING PARAMETERS:

- Incline
- Downhill gradient
- Temperature
- Height
- Speed
- Operating condition of the engine
- Traffic situation

(i) You can end glide mode by operating a steering wheel gearshift paddle (→ page 323).

Function of glide mode (Mercedes-AMG vehicles)

Glide mode helps you to reduce fuel consumption when you employ an anticipatory driving style.

When you drive in Glide mode, the  symbol will appear on the driver's display and, depending on the model, the combustion engine will be switched off or disconnected from the powertrain. All the vehicle functions will remain active.

GLIDE MODE WILL BE ACTIVATED IF THE FOLLOWING CONDITIONS ARE MET:

- The ECO start/stop function is switched on.
- Drive program  is selected with the "Moderate" or "Reduced" drive setting.
- The speed is within a suitable range.
- The road's course is suitable, e.g. no steep inclines or tight bends.
- The state of charge of the battery is sufficient.
- You are no longer depressing the accelerator or brake pedal.

Glide mode will be deactivated again if one of the conditions is no longer met.





< Function of 4MATIC

4MATIC ensures that all four wheels are driven. Together with ESP® and 4ETS, 4MATIC improves the traction of your vehicle whenever a driven wheel spins due to insufficient traction.

If you fail to adapt your driving style, 4MATIC can neither reduce the risk of an accident nor override the laws of physics. 4MATIC cannot take account of road, weather and traffic conditions. 4MATIC is only an aid. You are responsible in particular for maintaining a safe distance from the vehicle in front, for vehicle speed, for braking in good time and for staying in lane.

- i In wintry road conditions, the maximum effect of 4MATIC can be achieved only if you use winter tyres (M+S tyres), with snow chains if necessary.





Refuelling

Refuelling the vehicle

WARNING

Risk of fire or explosion from fuel

Fuels are highly flammable.

- ▶ Fire, naked flames, smoking and creating sparks must be avoided.
- ▶ Before refuelling, switch off the vehicle and, if fitted, the stationary heater and keep switched off during filling.

WARNING

Risk of injury from fuels

Fuels are poisonous and hazardous to your health.

- ▶ Do not swallow fuel or let it come into contact with skin, eyes or clothing.
- ▶ Do not inhale fuel vapour.
- ▶ Keep children away from fuel.
- ▶ Keep doors and windows closed during the refuelling process.

If you or other people come into contact with fuel, observe the following:

- ▶ Immediately rinse fuel off your skin with soap and water.
- ▶ If fuel comes into contact with your eyes, immediately rinse them thoroughly with clean water. Seek medical attention immediately.
- ▶ If you swallow fuel, seek medical attention immediately. Do not induce vomiting.
- ▶ Change immediately out of clothing that has come into contact with fuel.



**⚠ WARNING**

Risk of fire and explosion due to electrostatic charge

Electrostatic charge can ignite fuel vapour.

- ▶ Before you open the fuel filler cap or take hold of the pump nozzle, touch the metallic vehicle body.
- ▶ To avoid creating another electrostatic charge, do not get into the vehicle again during the refuelling process.

⚠ WARNING

Risk of fire from fuel mixture

Vehicles with a diesel engine:

If you mix diesel fuel with petrol, the flash point of the fuel mixture is lower than that of pure diesel fuel.

While the vehicle is running, component parts in the exhaust system may overheat without warning.

- ▶ Never refuel using petrol.
- ▶ Never mix petrol with diesel fuel.

! NOTE

Damage caused by the wrong fuel

Vehicles with a petrol engine:

Even small amounts of the wrong fuel could result in damage to the fuel system, the engine and the emission control system.

- ▶ Refuel only with unleaded, sulphur-free spark-ignition engine fuel.

Petrol can contain up to 25 Vol.-% ethanol by volume.

- ▶ See the information label in fuel filler flap for compatible fuels.

Further information about compatible fuels can be obtained at a qualified specialist workshop.

Throughout Europe you can also find the compatibility labels on the fuel pump or pump nozzle suitable for your vehicle.

NEVER REFUEL WITH ANY OF THE FOLLOWING FUELS:

- Diesel
- Regular petrol with an octane number lower than 91 RON
- Petrol with more than 3% methanol by volume, e.g. M15, M30
- Petrol with metallic additives

If you have accidentally refuelled with the wrong fuel:

- ▶ Do not switch on the vehicle.





- ▶ Consult a qualified specialist workshop.

**NOTE**

Damage caused by the wrong fuel

Vehicles with a diesel engine:

Even small amounts of the wrong fuel could result in damage to the fuel system, the engine and the emission control system.

Vehicles with diesel particulate filters:

- ▶ Refuel using only sulphur-free diesel fuel.
In countries without sulphur-free diesel fuel, refuel using only low-sulphur diesel fuel with a sulphur content of less than 50 ppm.

Vehicles without diesel particulate filters:

- ▶ Refuel using only diesel fuel with a sulphur content of less than 500 ppm.

NEVER REFUEL WITH ANY OF THE FOLLOWING FUELS:

- Petrol
- Marine diesel
- Heating oil
- Pure fatty acid methyl ester or vegetable oil
- Paraffin or kerosene

If you have accidentally refuelled with the wrong fuel:

- ▶ Do not switch on the vehicle.





- ▶ Consult a qualified specialist workshop.

! NOTE

Shorter maintenance intervals due to fuel with increased bio-contents

When fuels with increased bio-contents are used, fuel residues with increased separation volume may occur. If fuels with increased bio-contents (compatibility marks B10 and B20) are used on an ongoing basis, this may lead to shorter maintenance intervals for the fuel filter.

If the vehicle is not used for an extended period of time (several weeks):

- ▶ Refuel the vehicle beforehand with diesel fuel with bio-contents < 10% to avoid possible deposits of bio-contents in the fuel tank.

! NOTE

Do not use diesel to refuel vehicles with a petrol engine

IF YOU HAVE ACCIDENTALLY REFUELLED WITH THE WRONG FUEL:

- Do not switch on the vehicle. Otherwise fuel can enter the engine.
Even small amounts of the wrong fuel could result in damage to the fuel system and the engine. The repair costs are high.
- ▶ Consult a qualified specialist workshop.
- ▶ Have the fuel tank and fuel lines drained completely.

! NOTE

Do not refuel diesel-engined vehicles with petrol

IF YOU HAVE ACCIDENTALLY REFUELLED WITH THE WRONG FUEL:

- Do not switch on the vehicle. Otherwise fuel can enter the engine.
Even small amounts of the wrong fuel could result in damage to the fuel system and the engine. The repair costs are high.
- ▶ Consult a qualified specialist workshop.
- ▶ Have the fuel tank and fuel lines drained completely.

! NOTE

Damage to the fuel system due to overfilling the fuel tank

- ▶ Only fill the fuel tank until the pump nozzle switches off.

If too much fuel has been added due, for example, to a faulty filling pump:

- ▶ Do not switch on the vehicle.
- ▶ Consult a qualified specialist workshop.

! NOTE

Fuel may spray out when you remove the fuel pump nozzle

- ▶ Only fill the fuel tank until the pump nozzle switches off.



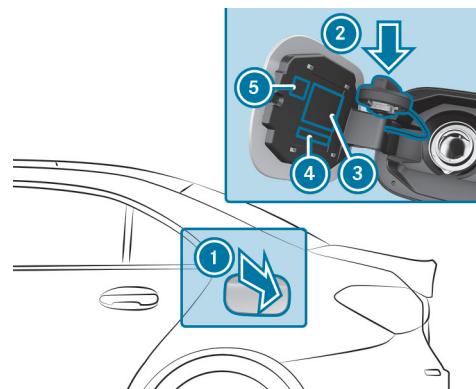


Requirements:

- The vehicle is unlocked.
- Plug-in hybrid with petrol engine:** the fuel tank was vented before refuelling (→ page 333).

Observe the notes on operating fluids and fuel.

The recommended octane number for your vehicle can be found on the information label on the inside of the fuel filler flap.



- Fuel filler flap
- Bracket for the fuel filler cap
- Tyre pressure table
- Fuel type
- QR code for rescue card

Plug-in hybrid with petrol engine: the fuel filler flap opens automatically after the fuel tank has been vented (→ page 333).

- Press on the centre rear of the fuel filler flap ①.
- Turn the fuel filler cap counter-clockwise and remove it.
- Insert fuel filler cap from above into bracket ②.
- Completely insert the pump nozzle into the tank filler neck, hook in place and refuel.
- Only fill the fuel tank until the pump nozzle switches off.

i Vehicles with diesel engine: The tank filler neck is designed for refuelling at diesel filling pumps. In order to prevent incorrect fuel from being filled, your vehicle is equipped with an incorrect fuelling protector. This function may be deactivated in some countries due to local conditions. For more information, consult a Mercedes-Benz Service Centre.

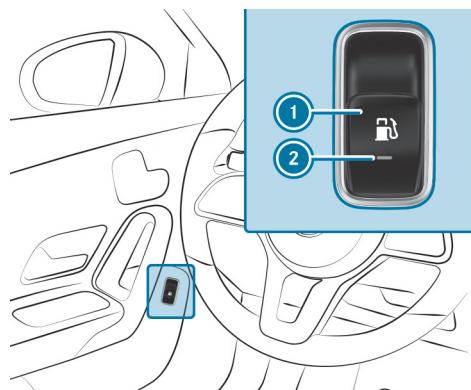
i Vehicles with diesel engine: Do not run the fuel tank empty. When the fuel tank is completely empty, top up with at least 5 l diesel before starting the vehicle.

i Vehicles with diesel engine: Use a filler neck with a large diameter for vehicles with a diesel engine when topping up fuel from a canister. Otherwise, the filler neck cannot slide into the tank filler neck. In order to prevent incorrect fuel from being filled, your vehicle is equipped with an incorrect fuelling protector. This function may be deactivated in some countries due to local conditions. For more information, consult a Mercedes-Benz Service Centre.



- ▶ Replace the fuel filler cap on the tank filler neck and turn clockwise until it engages audibly.
- ▶ Close fuel filler flap ①.

Depressurising the fuel tank (plug-in hybrid with petrol engine)



- ▶ Pull switch ① once briefly.

Indicator lamp ② will flash and the **Please wait Depressurising fuel tank** message will appear on the driver display.

When the fuel tank is depressurised, indicator lamp ② will light up continuously.

The **Fuel tank is depressurised Ready for refuelling** message will appear on the driver display and the fuel filler flap will open automatically.

ⓘ Depressurising the fuel tank may take several minutes.

The fuel tank can be depressurised only if the conditions described above are fulfilled. Otherwise, drive the vehicle at least 0.5 km and repeat the process.

ⓘ IN THE FOLLOWING SITUATIONS, THERE IS A MALFUNCTION:

- Indicator lamp ② flashes initially and then goes out.
- The yellow engine diagnostics warning lamp lights up.

! NOTE

Damage to the fuel filler flap when opening it

If an attempt is made to open a fuel filler flap that is not unlocked, the fuel filler flap or the opening mechanism may be damaged.

- ▶ Only refuel when the fuel filler flap has opened automatically.

You can watch an animation on this topic via the following link:

AdBlue® (vehicles with a diesel engine only)

NOTES ON TOPPING UP ADBLUE®

AdBlue® is a water-soluble fluid for the NOx exhaust gas aftertreatment of diesel engines. In order for the exhaust gas aftertreatment to function properly, only use AdBlue® in accordance with ISO 22241.

ADBLUE® IS CHARACTERISED BY THE FOLLOWING:

- non-toxic
- colourless and odourless
- non-flammable





If you open the AdBlue® tank, small amounts of ammonia vapour may be released. Only fill the AdBlue® tank in well-ventilated areas.

Do not let AdBlue® come into contact with skin, eyes or clothes. Keep AdBlue® away from children.

Do not ingest AdBlue®. If AdBlue® is swallowed, immediately rinse your mouth out thoroughly. Drink plenty of water. Seek medical attention at once.

Observe the notes on operating fluids (→ page 750).

ADBLUE® IS AVAILABLE HERE:

- AdBlue® can be topped up by fast service at a qualified specialist workshop, e.g. a Mercedes-Benz Service Centre.
- AdBlue® is available at many filling stations from AdBlue® filling pumps.
- Alternatively, AdBlue® is available at qualified specialist workshops, e.g. Mercedes-Benz Service Centres, and at many filling stations in AdBlue® refill canisters or AdBlue® refill bottles.

-  Ensure the connection between the refill container and vehicle filler neck does not drip.

TOPPING UP ADBLUE®

NOTE

- ▶ Engine damage due to AdBlue® being in the fuel
- ▶ AdBlue® must not be used to fill the fuel tank.
- ▶ Only use AdBlue® to fill the AdBlue® tank.
- ▶ Do not overfill the AdBlue® tank.

NOTE

- ▶ Contamination of the vehicle interior due to AdBlue® leakage
- ▶ After topping up, carefully close the AdBlue® refill container.
- ▶ Avoid carrying AdBlue® refill containers permanently in the vehicle.

Requirements:

- The vehicle is unlocked.

THE FOLLOWING MESSAGES APPEAR IN ORDER ON THE DRIVER DISPLAY WHEN THE ADBLUE® TANK REQUIRES TOPPING UP:

- [Refill AdBlue See Owner's Manual](#). The AdBlue® level has fallen below the reserve range. Add at least 5 l AdBlue®.
- [Top up AdBlue Emergency op. in XXX km See Owner's Manual](#). The low AdBlue® level will lead to limited performance after the remaining distance displayed has been driven. Add at least 5 l AdBlue®.



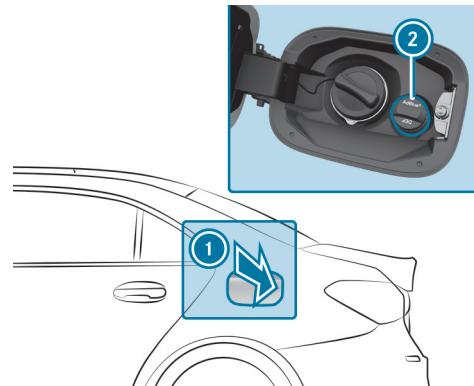


- **Top up AdBlue XX,X | Emerg. op.: max. XXX km/h Start not poss. in XXX km.**
The low AdBlue® level will lead to limited performance from the speed displayed. After the remaining distance displayed has been driven, it will no longer be possible to start the vehicle. Add at least the indicated quantity of AdBlue®.
- **Top up XX,X | AdBlue Switch vehicle on, wait 60 sec. or engine start not poss**
The AdBlue® tank is empty. You can no longer start the vehicle. Add at least the indicated quantity of AdBlue®. Switch on the vehicle and wait approx. 60 seconds. Start the vehicle.

You can display the AdBlue® range and level on the driver display in the menu Service.

i The AdBlue® range shown is highly dependent upon driving style and operating conditions. The actual range can therefore deviate from the calculated range.

OPENING THE ADBLUE® FILLER CAP

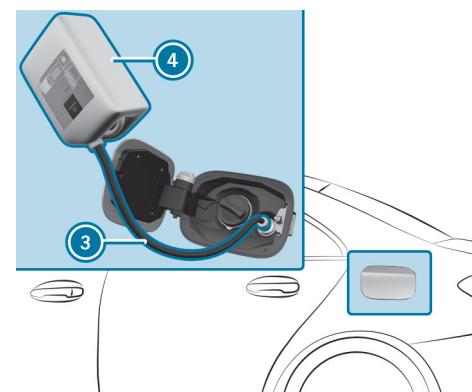


- ▶ Press on the centre rear of the fuel filler flap ①.
- ▶ Turn AdBlue® filler cap ② counter-clockwise and remove it.

i You can also place the AdBlue® filler cap in the filler cap holder in the hinge arm of the fuel filler flap.

TOPPING UP ADBLUE®

Mercedes-Benz recommends that you top up AdBlue® at a pump system. If there is no AdBlue® pump system available you can also top up AdBlue® with a canister.



- ▶ Unscrew the cap of the AdBlue® refill canister ④.
- ▶ Screw disposable hose ③ onto the opening of AdBlue® refill canister ④ until hand-tight.
- ▶ Screw disposable hose ③ onto the filler neck of the vehicle until hand-tight.



- ▶ Lift up and tip AdBlue® refill canister ④.
The filling process stops when the AdBlue® tank is completely full.
AdBlue® refill canister ④ can be removed when it has been only partially emptied.
- ▶ Unscrew disposable hose ③ and close AdBlue® refill canister ④ in reverse order.
- ▶ Replace AdBlue® filler cap ② and turn it clockwise until it audibly engages.
- ▶ Close fuel filler flap ①.
- ▶ Switch on the vehicle for at least 60 seconds.

 If it was no longer possible to start the vehicle due to the empty AdBlue® tank, it takes up to 60 seconds for topping up to be detected.

- ▶ Start the vehicle.

 Avoid storing AdBlue® refill containers permanently in the vehicle.





< Charging the high-voltage battery (plug-in hybrid)

Notes on charging the high-voltage battery

DANGER

Risk of fatal injuries in case of improper handling of the Flexible Charging System Pro

If you use the Flexible Charging System Pro, this may e.g. result in fires or an electric shock.

- ▶ Observe the notes in the operating instructions for the Flexible Charging System Pro. Potential dangers may otherwise remain undetected.

NOTE

High-voltage battery damage due to leaving the vehicle idle for lengthy periods of time

Lithium-ion batteries experience a natural self-discharge.

Exhaustive discharging can therefore occur if the vehicle is idle for several months. This can damage the high-voltage battery.

- ▶ To avoid damage, please observe the following recommendations when handling the high-voltage battery.



NOTE

Accelerated ageing of the high-voltage battery due to not observing the following recommendations

As a result of its basic characteristics, the storage capacity of and the amount of energy available from the high-voltage battery decreases over the course of its life. Due to this, both the maximum electrical range that can be achieved by the vehicle and its maximum electrical output can be impaired.

THE FOLLOWING FACTORS COULD ACCELERATE THE AGEING OF THE HIGH-VOLTAGE BATTERY:

- a high level of charge, especially if the vehicle is idle for a lengthy period of time
- frequent rapid charging with direct current (mode 4)
- leaving the vehicle idle for lengthy periods at high ambient temperatures
- ▶ To avoid accelerated ageing, please observe the following recommendations when handling the high-voltage battery.





! NOTE

Damage to the drive system when charging the high-voltage battery at extreme altitudes

The drive system may be damaged if the high-voltage battery is charged at elevations greater than 4,000 m above sea level.

It may then no longer be possible to continue the journey.

- ▶ Avoid charging processes at extreme altitudes.

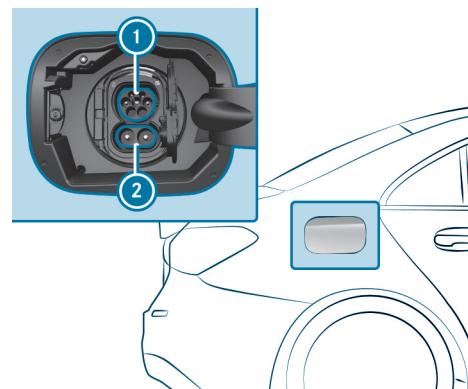
RECOMMENDATIONS WHEN HANDLING THE HIGH-VOLTAGE BATTERY:

- Quick-charge the high-voltage battery with direct current (mode 4) only when required.
- Charge the high-voltage battery on average up to a state of charge of 80 %. From a state of charge of 80 % the charging time increases significantly.
- In the case of longer non-operational times, park up the vehicle with a state of charge of the high-voltage battery which is between 20 % and 25 %. Do not permanently connect the high-voltage battery to power supply equipment.
- If leaving the vehicle idle for long periods, avoid high outside temperatures wherever possible.
- Check the high-voltage battery's state of charge every six weeks (→ page 356).
- Make sure to charge the high-voltage battery if the state of charge is below 5 %.
- Do not disconnect the 12 V battery even if the vehicle is left idle for a long period. Otherwise the condition of the vehicle's high-voltage battery cannot be monitored.

- If the high-voltage battery is only used with low charge levels, charge the high-voltage battery once a month to 100 % and then leave the vehicle parked for at least two hours.
- High-voltage batteries with LFP cells must be calibrated regularly. Carry out a full calibration of the high-voltage battery every six months (→ page 607).

DEPENDING ON THE CHARGING VERSION, YOUR VEHICLE IS EQUIPPED WITH ONE OF THE FOLLOWING VEHICLE SOCKETS:

- Type 2 for AC charging (mode 2/3)
- Type Combo 2 for AC charging (mode 2/3) and DC charging (mode 4)



Example: type Combo 2 vehicle socket

- (1) AC charging connection type 2
- (2) Socket extension for DC charging





- ① When using a CCS charging cable (Combined Charging System) for charging with direct current at a vehicle socket type Combo, both connections on the vehicle socket ① and ② are used for charging.

CHARGING OPTIONS FOR THE HIGH-VOLTAGE BATTERY (MODE 2, 3 OR 4):

- While driving by means of recuperation
- Stationary AC charging:
 - at a mains socket (mode 2)
 - at a wallbox or charging station (mode 3)
- Stationary DC charging (vehicles with vehicle socket type Combo 2):
 - at a rapid-charging station (mode 4)

Depending on the country-specific vehicle equipment and your vehicle's charging cable, single-phase AC charging is also possible.

Observe the different mains requirements of your current location when charging. Only use charging cables which conform to the mains requirements.

Consult a qualified electrician or your local mains operator if you have any questions.

It is recommended that you charge the high-voltage battery at a wallbox or charging station due to the higher charging power and better charging efficiency offered.

SYSTEM LIMITS

THE PERFORMANCE OF THE HIGH-VOLTAGE BATTERY MAY BE IMPAIRED BY THE FOLLOWING:

- high or low outside temperatures

- electrical auxiliary consumers in the vehicle being switched on, e.g. operating the air conditioning system
- extended idle periods without charging

THE CHARGING TIME OR THE CHARGING POWER OF THE HIGH-VOLTAGE BATTERY MAY BE INCREASED BY THE FOLLOWING:

- high or low outside temperatures
- a low or high state of charge of the high-voltage battery
- the maximum available charging current of the charging device

Storing the charging cable

Always stow the vehicle's charging cable in the charging cable bag provided, and secure the charging cable bag in the boot or load compartment with the included retaining strap. Otherwise, the charging cable bag with the charging cable is not sufficiently secured.

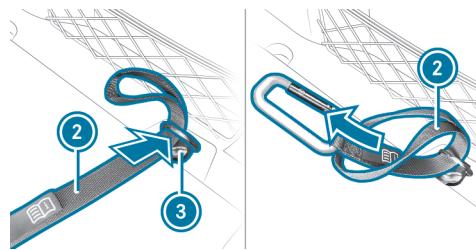


Example: charging cable bag in the boot/load compartment





As delivered, charging cable bag ① with retaining strap ② is located in the boot or load compartment. To secure the charging cable bag, the retaining strap must be attached to tie-down eye ③. Do not use bag hooks to attach the retaining strap.



- ▶ Feed the loop end of retaining strap ② through tie-down eye ③ in the boot or load compartment.
- ▶ Feed the end with the snap hook through the loop of retaining strap ②.



- ▶ Tighten retaining strap ② so that the knot around tie-down eye ③ is tight and secure.
- ▶ Hook the snap hook of retaining strap ② in a tie-down eye of charging cable bag ①.

Notes on charging the high-voltage battery at a mains socket (mode 2)

DANGER

Risk of fatal injuries in case of improper handling of the Flexible Charging System Pro

If you use the Flexible Charging System Pro, this may e.g. result in fires or an electric shock.

- ▶ Observe the notes in the operating instructions for the Flexible Charging System Pro. Potential dangers may otherwise remain undetected.

**DANGER**

Risk of fatal injury from incorrectly installed component parts

Connecting the charging cable to a mains socket using incorrectly installed components could cause fires or an electrical shock, for example.

- ▶ Only connect the charging cable to a mains socket that:
 - has been properly installed and
 - has been inspected by a qualified electrician.
- ▶ For safety reasons, only use the charging cable supplied with the vehicle or an original Mercedes-Benz charging cable.
- ▶ Purchase these parts at a Mercedes-Benz service centre and obtain advice there.

Mercedes-Benz thoroughly tests these original charging cables for their suitability for high-voltage charging of your vehicle.

- ▶ Never use a damaged charging cable.
- ▶ Do not use:
 - Extension cables
 - Extension reels
 - Multiple sockets
- ▶ Only use a socket adapter that has been tested and approved by the manufacturer for charging the high-voltage battery in an electric vehicle. Never use several socket adapters. For charg-

ing at the mains socket, only use appropriate socket adapters for AC charging.

- ▶ Observe the safety notes in the Owner's Manual for the socket adapter.

ONLY THE FOLLOWING CHARGING CABLES MAY BE USED:

- The charging cable supplied with the vehicle.
- A charging cable that has been approved for the vehicle.

The charging process can vary depending on the power supply equipment. The charging times when charging the high-voltage battery at a mains socket are considerably longer than when charging at a wallbox or charging station.

When doing so, always observe the local information.

Do not leave the charging cable operating unit hanging loose from a mains socket.

DO NOT LIFT THE OPERATING UNIT BY THE FOLLOWING COMPONENT PARTS:

- the charging cable plug
- the mains plug

When charging, protect the charging cable operating unit from excessive heat such as direct sunlight. Otherwise the charging process may be aborted.



Notes on charging the high-voltage battery at a wallbox or charging station (mode 3)

DANGER

Risk of fatal injury from incorrectly installed component parts

Connecting the charging cable to a wallbox using incorrectly installed components could cause fires or an electrical shock, for example.

- ▶ Only connect the charging cable to a wallbox that:
 - has been properly installed and
 - has been inspected by a qualified electrician.
- ▶ For safety reasons, only use charging cables that have been tested and approved by the manufacturer for charging the high-voltage battery in an electric vehicle.
- ▶ Never use damaged charging cables.
- ▶ Do not extend the charging cable.
- ▶ Only use a socket adapter that has been tested and approved by the manufacturer for charging the high-voltage battery in an electric vehicle. Never use several socket adapters. Only use socket adapters suitable for AC charging when charging with alternating current at a wallbox or charging station.
- ▶ Observe the safety notes in the Owner's Manual for the wallbox.

If charging at a wallbox without pre-installed cable, use the optionally available charging cable for wallbox and charging station (mode 3). The charging cable is stowed in a bag in the load compartment.

Only use charging cables that have been tested and approved by the manufacturer for charging the high-voltage battery in an electric vehicle.

DANGER

Risk of fatal injury if damaged component parts are used

If you use a damaged component to connect the vehicle to a charging station, this may lead to fires or an electrical shock, for example.

- ▶ Visually inspect the charging station for obvious signs of damage, e.g. serious damage to the housing or charging cable connection.
- ▶ Never use damaged charging cables.
- ▶ Do not extend the charging cable.
- ▶ Only use a socket adapter that has been tested and approved by the manufacturer for charging the high-voltage battery in an electric vehicle. Never use several socket adapters. When charging at a charging station with alternating current (mode 3), only use the corresponding socket adapters for charging with alternating current and when charging at a fast charging station with direct current (mode 4), only use socket adapters for direct current charging.
- ▶ Be sure to observe the safety notes at the charging station.

Most charging stations must be activated before the charging process, e.g. using an RFID card. Observe the operator's on-site instructions for the charging station.





The amount of energy dispensed for the charging process, shown by the charging station, may be higher than the amount of energy actually absorbed by the high-voltage battery. This is the result of different levels of charging losses and is described as recharge efficiency. Charging losses occur e.g. owing to heat build-up during charging or from running auxiliary consumers. Further information on recharge efficiency can be obtained at a qualified specialist workshop.

Notes on charging the high-voltage battery at a quick charging station (mode 4)

DANGER

Risk of fatal injury if damaged component parts are used

If you use a damaged component to connect the vehicle to a charging station, this may lead to fires or an electrical shock, for example.

- ▶ Visually inspect the charging station for obvious signs of damage, e.g. serious damage to the housing or charging cable connection.
- ▶ Never use damaged charging cables.
- ▶ Do not extend the charging cable.
- ▶ Only use a socket adapter that has been tested and approved by the manufacturer for charging the high-voltage battery in an electric vehicle. Never use several socket adapters. When charging at a charging station with alternating current (mode 3), only use the corresponding socket adapters for charging with alternating current and when charging at a fast charging station with direct current (mode 4), only use socket adapters for direct current charging.
- ▶ Be sure to observe the safety notes at the charging station.



**DANGER**

Risk of fatal injuries when carrying out maintenance work during the charging process

During the charging process, the high-voltage on-board electrical system is under high voltage.

- ▶ Do not perform any maintenance work during the charging process.

Most charging stations must be activated before the charging process, e.g. using an RFID card. Observe the operator's on-site instructions for the charging station.

The charging cable for the vehicle must be no longer than 30 m owing to the legal requirements in some countries. This is to prevent the interference of signals being received by radio communication devices in the vehicle or in close proximity to the charging station. Be aware that parts of the charging cable may be routed underground. If in doubt, ask the charging station operator if this is the case before charging the high-voltage battery.

The amount of energy dispensed for the charging process, shown by the charging station, may be higher than the amount of energy actually absorbed by the high-voltage battery. This is the result of different levels of charging losses and is described as recharge efficiency. Charging losses occur e.g. owing to heat build-up during charging or from running auxiliary consumers. Further information on recharge efficiency can be obtained at a qualified specialist workshop.

Maximum permissible charging current for charging at a mains socket

DANGER

Risk of fatal injuries in case of improper handling of the Flexible Charging System Pro

If you use the Flexible Charging System Pro, this may e.g. result in fires or an electric shock.

- ▶ Observe the notes in the operating instructions for the Flexible Charging System Pro. Potential dangers may otherwise remain undetected.




! NOTE

Overloading the mains socket due to excessive charging current

If the charging current is too high, the fuse could be tripped or the external mains supply could overheat.

- ▶ Ensure that the external mains supply has been designed to handle the charging current provided.
- ▶ For safety reasons, only use the charging cable supplied with the vehicle or an original Mercedes-Benz charging cable. Mercedes-Benz thoroughly tests these original charging cables for their suitability for high-voltage charging of your vehicle.
- ▶ Purchase these parts at a Mercedes-Benz Service Centre and obtain advice there.
- ▶ Check the maximum charging current using the charging capacity shown in the driver's display.

The charging cable supplied is set to a country-specific maximum charging current. When charging abroad, the maximum value may exceed the permitted value for that country.

If you use the Mercedes-Benz Flexible Charging System Pro, the maximum charging current can be set for a specific country (see Owner's Manual for the charging system).

- ▶ Before charging at a mains socket, have the maximum permissible charging current for the relevant mains socket or the building set-up checked by a qualified electrician.
- ▶ When abroad, observe the country-specific laws when charging.

If you have questions concerning the charging current or if there is a malfunction, please contact a qualified specialist workshop.

Overview of the charging cable control panel

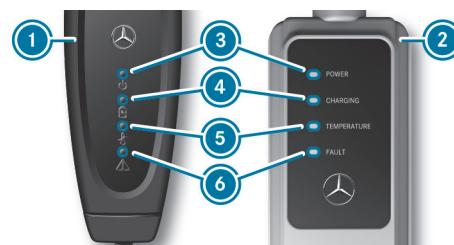
! DANGER

Risk of fatal injuries in case of improper handling of the Flexible Charging System Pro

If you use the Flexible Charging System Pro, this may e.g. result in fires or an electric shock.

- ▶ Observe the notes in the operating instructions for the Flexible Charging System Pro. Potential dangers may otherwise remain undetected.

Your vehicle may be equipped with one of the following two mode 2 charging cables. The control panel of the respective mode 2 charging cable shows the current status of the charging process.



- | | |
|---|--------------------------|
| ① | Gen5 charging cable |
| ② | Gen4 charging cable |
| ③ | Supply voltage indicator |
| ④ | Charging process display |



⑤ Temperature monitor display

⑥ Safety system display

MAINS CURRENT DISPLAY ③ POWER

Display	Meaning
Lights up white	There is supply voltage.

CHARGING PROCESS DISPLAY ④ CHARGING

Display	Meaning
Flashes green	The high-voltage battery is charging.

TEMPERATURE MONITOR DISPLAY ⑤ TEMPERATURE

Display	Meaning
Lights up red	The green LED flashes simultaneously: overtemperature – The charging power is reduced. The green LED does not flash: overtemperature – The charging process is stopped.
Flashes red	Overtemperature at the mains plug – the charging process is stopped.

SAFETY SYSTEM DISPLAY ⑥ FAULT

Display	Meaning
Flashes red	Charging cable or internal malfunction – Charging not possible Reset charging cable control panel (Gen5 charging cable ①)
Lights up red (Gen5 charging cable ①)	White LED is off: power supply malfunction – Charging process not possible, use a different mains socket. White LED is on: vehicle malfunction – charging process not possible, reset the charging cable control panel.
Lights up red (Gen4 charging cable ②)	Infrastructure malfunction – Charging process not possible, use a different mains socket

If the temperature monitor ⑤ indicates a malfunction, it may help to protect the charging cable from direct sunlight.

GEN4 CHARGING CABLE ②

If the charging cable control panel detects residual current or a malfunction, the charging process is interrupted. The charging process is resumed automatically when the malfunction has been rectified.

GEN5 CHARGING CABLE ①

When all four displays light up, the charging cable control panel is performing a self-test.

Reset the Gen5 charging cable control panel:

if the safety system ⑥ indicates a charging cable malfunction or a vehicle malfunction, first reset the charging cable control panel. To do this, disconnect the charging cable from the vehicle and from the mains socket and wait for approximately five seconds. If the malfunction persists after the charging cable is reconnected, charging at the mains socket is not possible. The charging cable must be

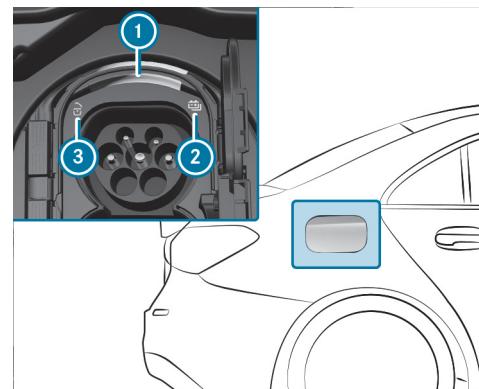




replaced or the vehicle plug must be checked at a qualified specialist workshop, depending on the readout.

Functions of the indicator lamps on the vehicle socket

The socket flap is centrally locked and unlocked together with the vehicle.



Example: type Combo 2 vehicle socket

- ① Socket lamp
- ② Charging process indicator lamp
- ③ Locking status indicator lamp

Socket lamp ① flashes or lights up as with indicator lamps ② and ③. The colour and signalling of the indicator lamps ② and ③ have the following meaning.

LOCKING STATUS ③

- Lights up white: vehicle socket unlocked; insert or remove charging cable
- Flashes white: malfunction during locking or unlocking

STATUS OF THE CHARGING PROCESS ②

- Lights up green (for approx. 60 s): charging process completed
- Flashes green: charging; active energy flow
- Lights up orange (for approx. 60 s): charging break
- Flashes orange: connection is being established
- Flashes red (for approx. 90 s): malfunction in vehicle; charging not possible

Starting the alternating current charging process (mode 2/3)



DANGER

Risk of fatal injuries in case of improper handling of the Flexible Charging System Pro

If you use the Flexible Charging System Pro, this may e.g. result in fires or an electric shock.

- ▶ Observe the notes in the operating instructions for the Flexible Charging System Pro. Potential dangers may otherwise remain undetected.



**DANGER**

Risk of death when charging at a damaged socket

The charging process uses high voltage.

If the charging cable, the vehicle socket or the mains socket are damaged, you could receive an electric shock.

- ▶ Only use an undamaged charging cable.
- ▶ Avoid mechanical damage such as crushing, abrading or driving over the cable.
- ▶ Have a damaged vehicle socket replaced at a qualified specialist workshop as soon as possible.
- ▶ Never connect the charging cable to a damaged vehicle socket.

NOTE

Damage due to overheating of charging cable and charge port

Charging cable and charge port may generate heat within the permissible limiting values during the charging process.

THE HEAT GENERATED BY THE CHARGING CABLE AND CHARGE PORT IS INFLUENCED BY THE FOLLOWING FACTORS:

- The power supply of the mains and the charging cable are intact.
- The notes on handling the charging cable and operating unit on the charging cable were observed.
- ▶ If the charging cable or the charge port generate too much heat, have the power supply of the mains supply checked.

NOTE

Damaged or dirty vehicle socket when the socket flap is open

- ▶ Always keep the socket cover and the socket flap closed when there is no charging cable connected. This protects the vehicle socket from dirt and damage.
- ▶ Make sure that the socket cover is closed properly before closing the socket flap. This can otherwise result in damage which may prevent the socket flap from being opened again.




! NOTE

Damage to the vehicle socket or the charging cable connector due to incorrect handling

Do not use excessive force (maximum 300 N) to fully insert the charging cable connector into the vehicle socket. You may otherwise damage the vehicle socket, the charging cable connector or their contacts.

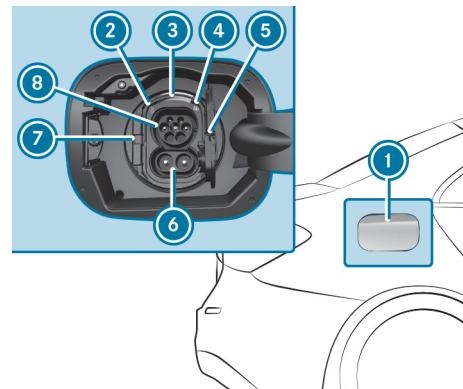
- ▶ If you feel there is increased resistance, pull the charging cable connector out of the socket and reinsert it.

Requirements:

- The transmission is in position **P**.
- The vehicle is unlocked or the vehicle is locked and the distance between the key and the vehicle does not exceed 1 m.
- The charging cable is not under tension.

DEPENDING ON THE CHARGING VERSION, YOUR VEHICLE IS EQUIPPED WITH ONE OF THE FOLLOWING VEHICLE SOCKETS:

- Type 2 for AC charging (mode 2/3)
- Type Combo 2 for AC charging (mode 2/3) and DC charging (mode 4)



Combo 2 vehicle socket (example)

- ▶ Press on the centre rear of the socket flap ① and swing the socket flap to the front.
The indicator lamp ② and status display ③ light up white.
- ▶ Press catch ⑦ to the left and open the socket cover ⑤.

- i** On vehicles with a Combo vehicle socket, only the connection ⑧ is required for the charging cable plug. Only open the upper part of the socket cover ⑤.

- ▶ For charging at a mains socket, fully insert the mains plug into the mains socket of the external power source.
- ▶ **Flexible Charging System Pro:** if necessary switch off protective earth conductor detection and set maximum charging current (see the charging system's Owner's Manual).
- ▶ Fully insert the charging cable plug into vehicle socket ⑧. If the wall-box/charging station is not equipped with a charging cable, fully insert





the plug of the vehicle's charging cable into the wallbox/charging station socket.

Make sure that the inserted charging cable is not under tension.

If the charging station is enabled, the indicator lamp ④  and the status display ③ flash in orange, and in green as soon as the high-voltage battery is being charged.

When the charging cable is connected to the vehicle, the vehicle cannot be started or moved.

At the start of the charging process, the charge level display is shown on the driver's display with a charging prediction. The charging prediction is the point in time at which the high-voltage battery will be fully charged.

 Depending on the temperature, the fan and battery cooling system may audibly switch on during the charging process.

 If the vehicle is idle for long periods and connected to the mains supply, the high-voltage battery will be recharged automatically as needed or when electrical consumers are activated (e.g. pre-entry climate control).

 The vehicle is equipped with an electric fuse that protects against overvoltages in the mains supply. This electric fuse can be triggered e.g. in severe storms and result in tripping of the building's circuit breaker and in an interruption of charging.

These functions protect the vehicle.

After the building's circuit breaker is reset, the charging process resumes automatically. Following an interruption in the power

supply without the building's circuit breaker being tripped, it may take up to ten minutes for charging to resume automatically.

Ending the alternating current charging process (mode 2/3)

DANGER

Risk of death when charging at a damaged socket

The charging process uses high voltage.

If the charging cable, the vehicle socket or the mains socket are damaged, you could receive an electric shock.

- ▶ Only use an undamaged charging cable.
- ▶ Avoid mechanical damage such as crushing, abrading or driving over the cable.
- ▶ Have a damaged vehicle socket replaced at a qualified specialist workshop as soon as possible.
- ▶ Never connect the charging cable to a damaged vehicle socket.





! **NOTE**

Damage due to overheating of charging cable and charge port

Charging cable and charge port may generate heat within the permissible limiting values during the charging process.

THE HEAT GENERATED BY THE CHARGING CABLE AND CHARGE PORT IS INFLUENCED BY THE FOLLOWING FACTORS:

- The power supply of the mains and the charging cable are intact.
- The notes on handling the charging cable and operating unit on the charging cable were observed.
- ▶ If the charging cable or the charge port generate too much heat, have the power supply of the mains supply checked.

! **NOTE**

Damaged or dirty vehicle socket when the socket flap is open

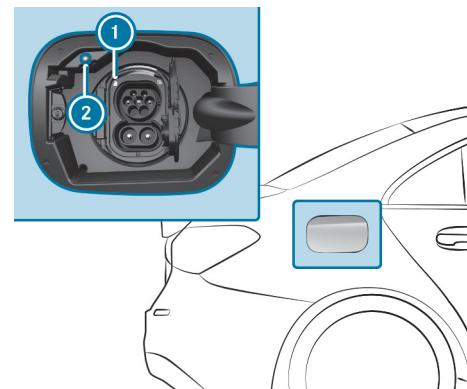
- ▶ Always keep the socket cover and the socket flap closed when there is no charging cable connected. This protects the vehicle socket from dirt and damage.
- ▶ Make sure that the socket cover is closed properly before closing the socket flap. This can otherwise result in damage which may prevent the socket flap from being opened again.

Requirements:

- The vehicle is unlocked or the vehicle is locked and the distance between the key and the vehicle does not exceed 1 m.

DEPENDING ON THE CHARGING VERSION, YOUR VEHICLE IS EQUIPPED WITH ONE OF THE FOLLOWING VEHICLE SOCKETS:

- Type 2 for AC charging (mode 2/3)
- Type Combo 2 for AC charging (mode 2/3) and DC charging (mode 4)



Example: type Combo 2 vehicle socket

i Vehicles equipped only with a Type 2 vehicle socket for AC charging have no charging interruption button ②.

▶ **Type Combo 2 vehicle socket:** press the charging interruption button ②.

The charging process is ended. The indicator lamp ① lights up white. The vehicle socket is unlocked.





① As an alternative, and only if the charging interruption button ② is not working, you can unlock the vehicle using the vehicle key or centrally from inside to end the charging process. If the indicator lamp ① then lights up white, the vehicle socket is unlocked for around 30 seconds.

- ▶ **Type 2 vehicle socket:** Unlock the vehicle with the vehicle key or centrally from inside.

The charging process is ended. The ① indicator lamp ① lights up white. The vehicle socket is unlocked for around 30 seconds.

① If you cannot remove the charging cable plug, repeat the unlocking procedure. If the charging cable plug is still locked, contact a qualified specialist workshop.

- ▶ Close the socket cover and the socket flap.
- ▶ Remove the charging cable connector from the mains socket, or from the socket on the wallbox/charging station, and stow the vehicle's charging cable safely in the vehicle (→ page 339).

① The indicator lamp ① on the vehicle socket remains lit for some time after the charging cable plug has been disconnected and then goes out.

Starting the DC charging process (mode 4)

DANGER

Risk of death when charging at a damaged socket

The charging process uses high voltage.

If the charging cable, the vehicle socket or the mains socket are damaged, you could receive an electric shock.

- ▶ Only use an undamaged charging cable.
- ▶ Avoid mechanical damage such as crushing, abrading or driving over the cable.
- ▶ Have a damaged vehicle socket replaced at a qualified specialist workshop as soon as possible.
- ▶ Never connect the charging cable to a damaged vehicle socket.



**! NOTE**

Damage due to overheating of charging cable and charge port
Charging cable and charge port may generate heat within the permissible limiting values during the charging process.

THE HEAT GENERATED BY THE CHARGING CABLE AND CHARGE PORT IS INFLUENCED BY THE FOLLOWING FACTORS:

- The power supply of the mains and the charging cable are intact.
- The notes on handling the charging cable and operating unit on the charging cable were observed.
- ▶ If the charging cable or the charge port generate too much heat, have the power supply of the mains supply checked.

! NOTE

Damaged or dirty vehicle socket when the socket flap is open

- ▶ Always keep the socket cover and the socket flap closed when there is no charging cable connected. This protects the vehicle socket from dirt and damage.
- ▶ Make sure that the socket cover is closed properly before closing the socket flap. This can otherwise result in damage which may prevent the socket flap from being opened again.

! NOTE

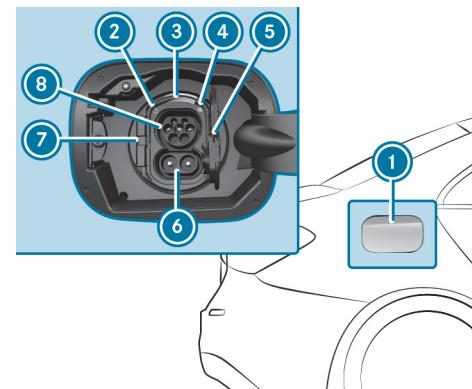
Damage to the vehicle socket or the charging cable connector due to incorrect handling

Do not use excessive force (maximum 300 N) to fully insert the charging cable connector into the vehicle socket. You may otherwise damage the vehicle socket, the charging cable connector or their contacts.

- ▶ If you feel there is increased resistance, pull the charging cable connector out of the socket and reinsert it.

Requirements:

- The transmission is in position **P**.
- The vehicle is unlocked or the vehicle is locked and the distance between the key and the vehicle does not exceed 1 m.
- The charging cable is not under tension.





- ▶ Press the centre on the rear area of the socket flap ① and swivel the socket flap to the front.
The indicator lamp ②  and status display ③ light up white.
- ▶ Press catch ⑦ to the left and open the socket cover ⑤.

i Connections ⑥ and ⑧ are required for the CCS charging cable plug. Both sections of the socket cover must therefore be opened ⑤.

- ▶ Fully insert the CCS charging cable plug into the vehicle socket. Make sure that the inserted charging cable is not under tension. If the charging station is enabled, the indicator lamp ④  and the status display ③ flash in orange, and in green as soon as the high-voltage battery is being charged.

When the charging cable is connected to the vehicle, the vehicle cannot be started or moved.

At the start of the charging process, the charge level display is shown on the driver's display with a charging prediction. The charging prediction either refers to the predicted state of charge at the set departure time, or the time at which the high-voltage battery will be fully charged.

i Depending on the temperature, the fan and battery cooling system may audibly switch on during the charging process.

i If the vehicle is idle for long periods and connected to the mains supply, the high-voltage battery will be recharged automatically

as needed or when electrical consumers are activated (e.g. pre-entry climate control).

Ending the direct current charging process (mode 4)

DANGER

Risk of death when charging at a damaged socket

The charging process uses high voltage.

If the charging cable, the vehicle socket or the mains socket are damaged, you could receive an electric shock.

- ▶ Only use an undamaged charging cable.
- ▶ Avoid mechanical damage such as crushing, abrading or driving over the cable.
- ▶ Have a damaged vehicle socket replaced at a qualified specialist workshop as soon as possible.
- ▶ Never connect the charging cable to a damaged vehicle socket.




! NOTE

Damage due to overheating of charging cable and charge port

Charging cable and charge port may generate heat within the permissible limiting values during the charging process.

THE HEAT GENERATED BY THE CHARGING CABLE AND CHARGE PORT IS INFLUENCED BY THE FOLLOWING FACTORS:

- The power supply of the mains and the charging cable are intact.
- The notes on handling the charging cable and operating unit on the charging cable were observed.
- ▶ If the charging cable or the charge port generate too much heat, have the power supply of the mains supply checked.

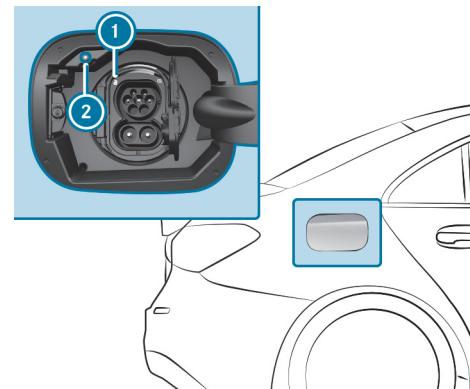
! NOTE

Damaged or dirty vehicle socket when the socket flap is open

- ▶ Always keep the socket cover and the socket flap closed when there is no charging cable connected. This protects the vehicle socket from dirt and damage.
- ▶ Make sure that the socket cover is closed properly before closing the socket flap. This can otherwise result in damage which may prevent the socket flap from being opened again.

Requirements:

- The vehicle is unlocked or the vehicle is locked and the distance between the key and the vehicle does not exceed 1 m.



- ▶ Press charging interruption button ②.

The charging process is ended. The indicator lamp ① lights up white. The vehicle socket is unlocked.

- i** As an alternative, and only if the charging interruption button ② is not working, you can unlock the vehicle using the vehicle key or centrally from inside to end the charging process. If the indicator lamp ① then lights up white, the vehicle socket is unlocked for around 30 seconds.

- ▶ Remove the charging cable plug from the vehicle socket.

- i** If you cannot remove the charging cable plug, unlock the vehicle and repeat the unlocking procedure. If the charging cable plug is still locked, contact a qualified specialist workshop.

- ▶ Close the socket cover and the socket flap.



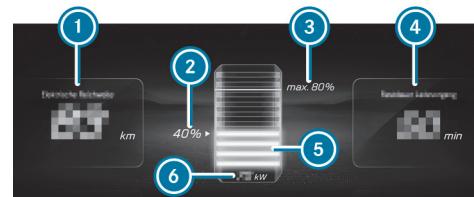


- i** The left indicator lamp ① on the vehicle socket remains lit for some time after the charging cable plug has been disconnected and then goes out.

the vehicle, the charge level display is also displayed briefly after unlocking or locking the vehicle or after opening a door.

The value of current charging power ⑥ can differ from the display on the charging station.

Function of the charge level display on the driver display



Example

- ① Remaining range at current state of charge
- ② Current state of charge of the high-voltage battery
- ③ Maximum state of charge (as per the setting)
- ④ Remaining time until fully charged (up to the selected maximum state of charge)
- ⑤ Dynamic charge level display
- ⑥ Current charging capacity

- i** Indicated remaining range ① may vary due to various factors, e.g. driving style or topography.

The driver display shows the charge level display for around two minutes when the charging cable is connected. As long as the charging cable is connected to



< Parking

Parking the vehicle

⚠ WARNING

Risk of accident and injury caused by an insufficiently secured vehicle rolling away

If the vehicle is not securely parked sufficiently, it can roll away in an uncontrolled way even at a slight downhill gradient.

- ▶ On uphill or downhill gradients, turn the front wheels so that the vehicle rolls towards the kerb if it starts moving.
- ▶ apply the parking brake.
- ▶ Switch the transmission to position **[P]**.

⚠ WARNING

Risk of fire caused by hot exhaust system parts

Flammable materials such as leaves, grass or twigs may ignite.

- ▶ Park the vehicle so that no flammable material can come into contact with hot vehicle components.
- ▶ In particular, do not park on dry grassland or harvested grain fields.

⚠ WARNING

Accident- and risk of injury with unsupervised children in the vehicle

IF YOU LEAVE CHILDREN UNATTENDED IN THE VEHICLE, THEY CAN IN PARTICULAR

- Open doors and thereby endanger other persons or road users.
- get out of the car and are hit by traffic.
- Operate vehicle equipment and become trapped, for example.

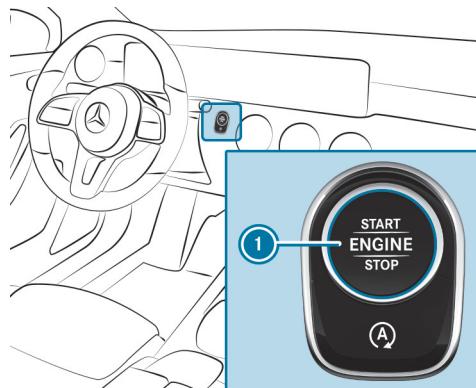
IN ADDITION, THE CHILDREN COULD ALSO SET THE VEHICLE IN MOTION, FOR EXAMPLE BY:

- releasing the parking brake.
- change the gearbox setting.
- start the vehicle.
- ▶ Never leave children unattended in the vehicle.
- ▶ When leaving the vehicle, always take the SmartKey with you and lock the vehicle.
- ▶ Keep the key out of reach of children.




! NOTE

- Damage to the vehicle due to it rolling away
 ► Always secure the vehicle against rolling away.



- Bring the vehicle to a standstill by depressing the brake pedal.
- On gradients, turn the front wheels so that the vehicle will roll towards the kerb if it starts moving.
- Apply the electric parking brake.
- Engage transmission position **P** when the vehicle is stationary and the brake pedal is depressed (→ page 320).
- Switch off the vehicle by pressing button ①.
- Release the service brake slowly.
- Get out of the vehicle and lock it.

- ① When you park the vehicle, you can still operate the side windows and the panoramic sliding sunroof for approximately four minutes if the driver's door is closed.

Automatic vehicle shut-off upon locking

Your vehicle is equipped with automatic engine shut-off.

WHEN YOU LEAVE THE VEHICLE READY TO DRIVE, THE VEHICLE WILL BE TURNED OFF WHEN LOCKED UNDER THE FOLLOWING CONDITIONS:

- The ignition is switched on or the engine is running.
- Transmission position **P** is engaged.
- The driver's door is closed.
- **In addition, one of the following conditions must be met:**
 - The vehicle is locked using the vehicle key.
 - **Vehicles with KEYLESS-GO:** the vehicle is locked via KEYLESS-GO on the door handle of a closed door.
 - **Vehicles with KEYLESS-GO:** the vehicle is locked via the locking button on the boot lid.

- ① The engine will continue to run if the vehicle is not locked as described after you have left it. In this case, switch off the vehicle manually.

Automatic vehicle shut-off after a period of time (equipment-dependent)

When the engine is running, the following display message will appear on the driver display when you leave the vehicle or after a certain holding time



in transmission position **P** : Vehicle is ready to drive Shutdown occurs when locked or automatically in XX mins

The vehicle will then switch off automatically after a total holding time of 20 minutes.

-  To avoid automatic shut-off after a period of time, acknowledge the corresponding message on the central display of the multi-media system.

THE ENGINE WILL CONTINUE TO RUN IN THE FOLLOWING CASES:

- If the vehicle is not locked as described after you have left it
- If automatic shut-off is not indicated by the display message
- If automatic shut-off after a period of time has been deactivated via the corresponding message on the central display

In this case, switch off the vehicle manually.

Electric parking brake

FUNCTION OF THE ELECTRIC PARKING BRAKE (AUTOMATIC APPLICATION)

WARNING

Accident- and risk of injury with unsupervised children in the vehicle

IF YOU LEAVE CHILDREN UNATTENDED IN THE VEHICLE, THEY CAN IN PARTICULAR

- Open doors and thereby endanger other persons or road users.
- get out of the car and are hit by traffic.
- Operate vehicle equipment and become trapped, for example.

IN ADDITION, THE CHILDREN COULD ALSO SET THE VEHICLE IN MOTION, FOR EXAMPLE BY:

- releasing the parking brake.
- change the gearbox setting.
- start the vehicle.
- ▶ Never leave children unattended in the vehicle.
- ▶ When leaving the vehicle, always take the SmartKey with you and lock the vehicle.
- ▶ Keep the key out of reach of children.



**THE ELECTRIC PARKING BRAKE IS APPLIED IF THE TRANSMISSION IS IN POSITION **P** AND ONE OF THE FOLLOWING CONDITIONS IS FULFILLED:**

- The vehicle is switched off.
- The driver's seat belt is not fastened and the driver's door is opened.

i To prevent application: pull the handle of the electric parking brake (→ page 361).

IN THE FOLLOWING SITUATIONS, THE ELECTRIC PARKING BRAKE IS ALSO APPLIED:

- The HOLD function is keeping the vehicle stationary.
- Active Distance Assist DISTROニック is bringing the vehicle to a standstill.
- Active Parking Assist is keeping the vehicle stationary.
- **In addition, one of the following conditions must be met:**
 - The vehicle is switched off.
 - The driver's seat belt is not fastened.
 - There is a system malfunction.
 - The power supply is insufficient.
 - The vehicle is idle for a long period.
- **Vehicles with Active Parking Assist:** in the following situations, the electric parking brake is also applied:
 - Following completion of a parking procedure.
 - If an error occurs during a parking procedure.

When the electric parking brake is applied, the red indicator lamp lights up on the driver display.

- i** The electric parking brake is not automatically applied if the vehicle is switched off by the ECO start/stop function.

FUNCTION OF THE ELECTRIC PARKING BRAKE (AUTOMATIC RELEASE)**THE ELECTRIC PARKING BRAKE IS RELEASED WHEN THE FOLLOWING CONDITIONS ARE FULFILLED:**

- The driver's door is closed.
- The vehicle has been started.
- The transmission is in position **D** or **R** and you depress the accelerator pedal, or you shift from transmission position **P** to **D** or **R** on level ground.
- If the transmission is in position **R**, the boot lid must be closed.
- The driver's seat belt is not properly fastened.
If the driver's seat belt is not fastened, the following condition must be met:
 - You shift from transmission position **P**.

When the electric parking brake is released, the red indicator lamp in the driver display goes out.



APPLYING/RELEASING THE ELECTRIC PARKING BRAKE MANUALLY

⚠ WARNING

Accident- and risk of injury with unsupervised children in the vehicle

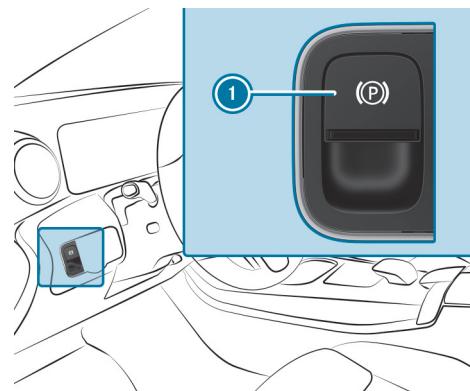
IF YOU LEAVE CHILDREN UNATTENDED IN THE VEHICLE, THEY CAN IN PARTICULAR

- Open doors and thereby endanger other persons or road users.
- get out of the car and are hit by traffic.
- Operate vehicle equipment and become trapped, for example.

IN ADDITION, THE CHILDREN COULD ALSO SET THE VEHICLE IN MOTION, FOR EXAMPLE BY:

- releasing the parking brake.
 - change the gearbox setting.
 - start the vehicle.
- Never leave children unattended in the vehicle.
- When leaving the vehicle, always take the SmartKey with you and lock the vehicle.
- Keep the key out of reach of children.

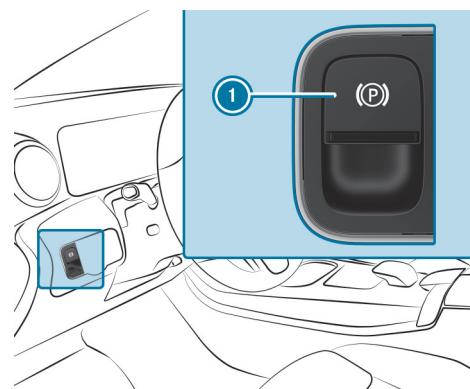
APPLY



- When the vehicle is stationary, push handle ①.
The red indicator lamp on the driver display lights up.

- ⓘ The electric parking brake is only securely applied if the red indicator lamp is lit continuously.

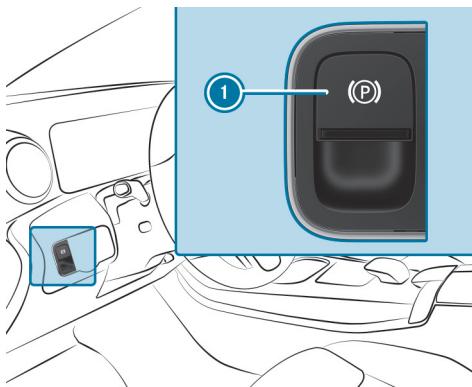
RELEASE





- ▶ Switch on the vehicle.
 - ▶ Pull handle ①.
- The red  indicator lamp on the driver display goes out.

EMERGENCY BRAKING



- ▶ Press and hold handle ①.
- As long as the vehicle is in motion, the message **Release parking brake** is displayed and the red  indicator lamp flashes.
- When the vehicle has been braked to a standstill, the electric parking brake is applied. The red  indicator lamp on the driver display lights up.

Information on collision detection for a parked vehicle

If an impact is detected with tow-away protection switched on in the vehicle, and collision detection is active, a message is displayed in the multimedia system when the vehicle is switched on.

YOU WILL THEN RECEIVE INFORMATION REGARDING THE FOLLOWING:

- The area of the vehicle that may have been damaged.
- The force of the impact.

THE FOLLOWING SITUATION CAN LEAD TO INADVERTENT ACTIVATION:

- The parked vehicle is moved, for example in a double-decker garage.

-  Deactivate tow-away protection to prevent inadvertent activation. If you deactivate tow-away protection, collision detection will also be deactivated. You can permanently deactivate collision detection via the multimedia system (→ page 363).

SYSTEM LIMITS

DETECTION MAY BE RESTRICTED IN THE FOLLOWING SITUATIONS:

- if damage is caused to the vehicle without impact, for example, if an outside mirror is torn off or the paint is damaged by a key
- if an impact occurs at low speed
- if the electric parking brake is not applied

-  You are responsible for your vehicle. You should therefore always ensure that your vehicle is free of damage and is roadworthy.





Setting collision detection for a parked vehicle

Multimedia system:

 ► Settings ► Vehicle ► Open/close ► Vehicle protection

► Activate or deactivate the function via [Tow-away protec..](#)

Notes on parking up the vehicle

If you leave the vehicle parked up for longer than six weeks, it may suffer damage through disuse.

The 12 V battery may also be impaired or damaged by heavy discharging.

Do not disconnect the 12 V battery even if the vehicle is left idle for a lengthy period.

 Further information can be obtained at a qualified specialist workshop.

Standby mode (extension of the starter battery's period out of use)

STANDBY MODE FUNCTION

 This function is not available for all models.

If standby mode is activated, energy loss will be minimised during extended idle times.

STANDBY MODE IS CHARACTERISED BY THE FOLLOWING:

- The starter battery is preserved.
- The maximum idle time appears on the driver display.
- The connection to online services is interrupted.
- The ATA (anti-theft alarm system) is not available.
- The interior protection and tow-away protection functions are not available.
- The function for detecting collisions when the vehicle is parked is not available.

IF THE FOLLOWING CONDITIONS ARE FULFILLED, STANDBY MODE CAN BE ACTIVATED OR DEACTIVATED USING THE MULTIMEDIA SYSTEM:

- The vehicle is switched on.
- The vehicle has not been started.

Exceeding the vehicle's displayed idle time may cause inconvenience; i.e. it cannot be guaranteed that the starter battery will reliably start the vehicle.

CHARGE THE STARTER BATTERY IN THE FOLLOWING SITUATIONS:

- If the vehicle's idle time needs to be extended.
- If the starter battery state of charge is insufficient for standby mode.

 Standby mode is automatically deactivated when the vehicle is switched on.



ACTIVATING/DEACTIVATING STANDBY MODE (PARKING UP THE VEHICLE)

Requirements

- The vehicle is switched on.
- The vehicle has not been started.

Multimedia system:

▶ ➡ ➡ Settings ➡ Vehicle ➡ Other functions

▶ Activate or deactivate Standby mode.





< Driving and driving safety systems

Driving systems and your responsibility

Your vehicle is equipped with driving systems which assist you in driving, parking and manoeuvring the vehicle. The driving systems are only aids. They are not a substitute for you paying attention to your surroundings and do not relieve you of your responsibility pertaining to road traffic law. The driver is always responsible for maintaining a safe distance to the vehicle in front, for vehicle speed, for braking in good time and for staying in lane. Pay attention to the traffic conditions at all times and intervene when necessary. Be aware of the limitations regarding the safe use of these systems.

Driving systems can neither reduce the risk of accident if you fail to adapt your driving style nor override the laws of physics. They cannot always take into account road, weather or traffic conditions.

- ⓘ Some driving systems can regulate or limit the speed to a previously set value. Draw attention to the stored speed when changing drivers.

Information on vehicle sensors and cameras

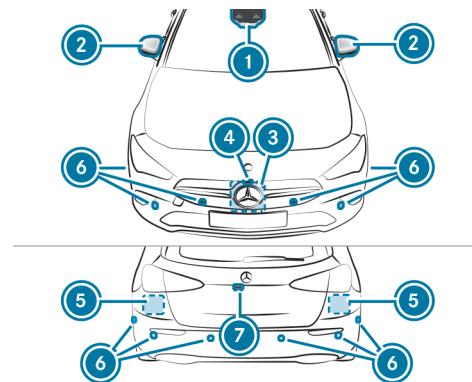
⚠ WARNING

Risk of accident if the detection capability of the vehicle sensors or cameras is impaired

If the areas of the vehicle sensors or cameras are obscured, damaged or dirty, some driving and driving safety systems may no longer function correctly. There is a risk of an accident.

- ▶ Always keep the areas of the vehicle sensors and cameras clear of obstructions and clean.
- ▶ Have damage to the bumpers, radiator grille or stone chipping in the area of the cameras in the windscreens repaired at a qualified specialist workshop.

Some driving and driving safety systems use cameras as well as radar or ultrasonic sensors to monitor the area in front of, behind or next to the vehicle.



- ① Multifunction camera
- ② Cameras in the exterior mirrors
- ③ Front radar
- ④ Front camera
- ⑤ Corner radars
- ⑥ Ultrasonic sensors
- ⑦ Reversing camera

In particular, keep the sensor and camera areas free of dirt, ice or slush. (→ page 624). The sensors and cameras must not be covered and the detection ranges around them must be kept free. Do not attach additional number plate brackets, advertisements, stickers, car foils or rock chip protection films in the detection range of the sensors and cameras. Make sure there are no overhanging loads protruding into the detection range.

If there is damage to a bumper or the radiator shell, or after an impact, have the function of the sensors checked at a qualified specialist workshop. Have damage or stone chipping in the area of the cameras in the windscreen repaired at a qualified specialist workshop.

- ⓘ The reversing camera can extend and retract automatically for the purpose of calibration, even though there is no camera image on the display.

Overview of driving systems and driving safety systems

DRIVING AND DRIVING SAFETY SYSTEMS

- ABS (→ page 367)
- BAS (→ page 367)
- ESP® (→ page 368)
- ESP® (Mercedes-AMG vehicles) (→ page 369)
- ESP® Crosswind Assist (→ page 371)
- EBD (→ page 373)
- STEER CONTROL (→ page 373)
- HOLD function (→ page 373)
- Hill Start Assist (→ page 375)
- Start-off Assist (→ page 375)
- Adaptive Brake Lights (→ page 375)
- ATTENTION ASSIST (→ page 376)
- Cruise control (→ page 377)
- Limiter (→ page 378)
- Traffic Sign Assist (→ page 398)
- Traffic light view (→ page 401)
- Suspension with adaptive damping adjustment (→ page 406)
- AMG RIDE CONTROL (→ page 406)





- RACE START (→ page 407)

DRIVING ASSISTANCE PACKAGE

- Active Distance Assist DISTRONIC (→ page 381)
- Route-based speed adaptation (→ page 388)
- Active Brake Assist (→ page 393)
- Active Steering Assist (→ page 389)
- Active Emergency Stop Assist (→ page 391)
- Blind Spot Assist with exit warning (→ page 402)
- Active Lane Keeping Assist (→ page 403)

 These functions are part of the Driving Assistance Package. Certain functions are only available in some countries. Some functions are also available without the Driving Assistance Package, albeit with restricted functionality.

PARKING SYSTEMS

- Reversing camera (→ page 408)
- 360° camera (→ page 412)
- Parking Assist PARKTRONIC (→ page 417)
- Active Parking Assist (→ page 421)

 The availability of individual functions depends on country and equipment.

Function of ABS

THE ANTI-LOCK BRAKE SYSTEM (ABS) REGULATES THE BRAKE PRESSURE IN CRITICAL DRIVING SITUATIONS:

- During braking, for instance, at maximum full-stop braking or if there is insufficient tyre traction, the wheels are prevented from locking.
- Vehicle steerability while braking is ensured.

If ABS intervenes when braking, you will feel a pulsing in the brake pedal. The pulsating brake pedal can be an indication of hazardous road conditions and can serve as a reminder to take extra care while driving.

SYSTEM LIMITS

- ABS is active from speeds of approximately 5 km/h.
- ABS may be impaired or may not function if a malfunction has occurred and the yellow  ABS warning lamp lights up continuously after the vehicle is started.

Function of BAS

WARNING

Risk of an accident caused by a malfunction in BAS (Brake Assist System)

If BAS is malfunctioning, the braking distance in an emergency braking situation is increased.

- Depress the brake pedal with full force in emergency braking situations. ABS prevents the wheels from locking.



The Brake Assist System (BAS) supports your emergency braking situation with additional brake force.

IF YOU DEPRESS THE BRAKE PEDAL QUICKLY, BAS IS ACTIVATED:

- BAS automatically boosts the brake pressure.
- BAS can shorten the braking distance.
- ABS prevents the wheels from locking.

The brakes will function as usual once you release the brake pedal. BAS is deactivated.

ESP® (Electronic Stability Program)

FUNCTION OF ESP®

CHARACTERISTICS WHEN ESP® IS ACTIVATED

THE ELECTRONIC STABILITY PROGRAM (ESP®) CAN MONITOR AND IMPROVE DRIVING STABILITY AND TRACTION IN THE FOLLOWING SITUATIONS WITHIN PHYSICAL LIMITS:

- when starting off on wet or slippery roads
- when braking

IF THE VEHICLE DEVIATES FROM THE DIRECTION DESIRED BY THE DRIVER, ESP® CAN STABILISE THE VEHICLE BY INTERVENING IN THE FOLLOWING WAYS:

- One or more wheels are individually braked.
- The engine output is adapted according to the situation.

WHEN ESP® IS DEACTIVATED, THE WARNING LAMP LIGHTS UP CONTINUOUSLY:

- Driving stability will no longer be improved.
- The drive wheels could spin.
- ETS/4ETS traction control is still active.

WHEN THE WARNING LAMP FLASHES, ONE OR SEVERAL WHEELS HAS REACHED ITS GRIP LIMIT:

- Adapt your driving style to suit the current road and weather conditions.
- Do not deactivate ESP®.
- Only depress the accelerator pedal as far as is necessary when starting off.

CHARACTERISTICS WHEN ESP® IS DEACTIVATED

⚠ WARNING

Risk of skidding if ESP® is deactivated

If you deactivate ESP®, ESP® cannot carry out vehicle stabilisation.

- ▶ ESP® should only be deactivated in the following situations.

TO IMPROVE TRACTION, ESP® CAN BE SWITCHED OFF IN THE FOLLOWING SITUATIONS:

- when using snow chains
- in deep snow
- on sand or gravel





- Spinning the wheels results in a cutting action, which enhances traction.

If the warning lamp lights up continuously, ESP® is not available due to a malfunction.

OBSERVE THE FOLLOWING INFORMATION:

- Indicator and warning lamps (→ page 832)
- Display messages (→ page 769)

ETS/4ETS

ETS/4ETS traction control (Electronic Traction System) is part of ESP® and makes it possible to pull away and accelerate on a slippery road.

ETS/4ETS CAN IMPROVE THE VEHICLE'S TRACTION BY INTERVENING IN THE FOLLOWING WAYS:

- The drive wheels are braked individually if they spin.
- More drive torque is transferred to the wheel or wheels with traction.

INFLUENCE OF DRIVE PROGRAMS ON ESP®

The drive programs enable ESP® to adapt to different weather and road conditions as well as the driver's preferred driving style. Depending on the selected drive program, the appropriate ESP® mode will be activated (→ page 310).

FUNCTION OF ESP® (MERCEDES-AMG VEHICLES)

YOU CAN SELECT BETWEEN THE FOLLOWING MODES OF THE ELECTRONIC STABILITY PROGRAM (ESP®):

- ESP® ON
- ESP® SPORT
- ESP® OFF

CHARACTERISTICS WHEN ESP® IS ACTIVATED

ESP® MONITORS AND IMPROVES DRIVING STABILITY AND TRACTION, PARTICULARLY IN THE FOLLOWING SITUATIONS:

- When starting off on wet or slippery roads.
- When braking.
- When there is a strong crosswind and a driving speed of approximately 80 km/h to 200 km/h.

ESP® CAN STABILISE THE VEHICLE BY INTERVENING IN THE FOLLOWING WAYS:

- One or more wheels are braked.
- The engine output is adapted according to the situation.

ESP® is activated every time the vehicle is started regardless of whether ESP® SPORT or ESP® OFF was selected before the engine was switched off.

WHEN THE WARNING LAMP FLASHES, ONE OR SEVERAL WHEELS HAS REACHED ITS GRIP LIMIT:

- Adapt the driving style to suit the prevailing road and weather conditions.
- Do not deactivate ESP® under any circumstances.
- Only depress the accelerator pedal as far as necessary when starting off.



CHARACTERISTICS OF ESP® SPORT

WARNING

Risk of skidding if ESP® SPORT is used incorrectly

When you activate ESP® SPORT, there is an increased risk of skidding and having an accident.

- ▶ Activate ESP® SPORT only in the circumstances described below.

When ESP® SPORT is selected, the warning lamps  and  light up continuously.

Select ESP® SPORT when the vehicle's own oversteering and understeering characteristics are desired, e.g. on cordoned-off roads.

Driving with ESP® SPORT or with ESP® deactivated requires an extremely qualified and experienced driver.

If ESP® SPORT is activated and one or more wheels start to spin, the  warning lamp flashes. ESP® then only stabilises the vehicle to a limited degree.

ESP® SPORT ALSO HAS THE FOLLOWING CHARACTERISTICS:

- ESP® only improves driving stability to a limited degree.
- ETS/4ETS traction control is still active.
- The engine's torque is only restricted to a limited degree and the drive wheels can spin.
The spinning of the wheels results in a cutting action for better traction on loose surfaces.
- ESP® continues to provide assistance when the brakes are firmly applied.
- Crosswind Assist is no longer active.

CHARACTERISTICS WHEN ESP® IS DEACTIVATED

WARNING

Risk of skidding if ESP® is deactivated

If you deactivate ESP®, ESP® cannot carry out vehicle stabilisation.

- ▶ ESP® should only be deactivated in the following situations.

When ESP® is switched off, the warning lamps  and  light up continuously.

DEACTIVATING ESP® HAS THE FOLLOWING EFFECTS:

- Driving stability will no longer be improved.
- The drive wheels could spin.
- ETS/4ETS traction control is still active.
- Crosswind Assist is no longer active.

- Even when ESP® is deactivated, you are still assisted by ESP® when braking hard.

IT MAY BE BEST TO ACTIVATE ESP® SPORT OR DEACTIVATE ESP® IN THE FOLLOWING SITUATIONS:

- When using snow chains.
- In deep snow.
- On sand or gravel.





Spinning the wheels results in a cutting action, which enhances traction.

Activate ESP® as soon as the situations described above no longer apply. ESP® will otherwise not be able to stabilise the vehicle if the vehicle starts to skid or a wheel starts to spin.

If the warning lamp lights up continuously, ESP® is not available due to a malfunction.

OBSERVE THE DISPLAY MESSAGES AND INDICATOR AND WARNING LAMPS WHICH ARE DISPLAYED:

- Indicator and warning lamps (→ page 832)
- Display messages (→ page 769)

ETS/4ETS (ELECTRONIC TRACTION SYSTEM)

ETS/4ETS traction control is part of ESP®.

ETS/4ETS CAN IMPROVE THE VEHICLE'S TRACTION BY INTERVENING IN THE FOLLOWING WAYS:

- The drive wheels are braked individually if they spin.
- More drive torque is transferred to the wheel or wheels with traction.

FUNCTION OF ESP® CROSSWIND ASSIST

ESP® CROSSWIND ASSIST DETECTS SUDDEN GUSTS OF SIDE WIND AND HELPS THE DRIVER TO KEEP THE VEHICLE IN THE LANE:

- ESP® Crosswind Assist is active at vehicle speeds between approx. 80 km/h and 200 km/h when driving straight ahead or cornering slightly.

- The vehicle is stabilised by means of individual brake application on one side.

SWITCHING ESP® ON OR OFF IN THE MBUX MULTIMEDIA SYSTEM

Multimedia system:



ESP® can only be activated/deactivated using quick-access when at least one other function is available in quick-access. ESP® can otherwise be found in the [Assistance](#) menu.

- ▶ Select **ESP**.
- ▶ Select **On** or **Off**.

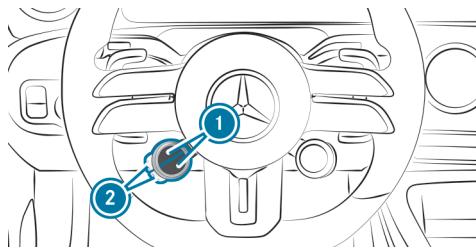
ESP® is deactivated if the ESP® OFF warning lamp lights up continuously on the driver display.

Observe the information on the warning lamps and the display messages which may be shown on the driver display.

SETTING ESP® WITH THE AMG STEERING WHEEL BUTTON

You can also adjust ESP® via the multimedia system (→ page 372).





- ▶ **To adjust ESP[®]:** press upper or lower display button ① repeatedly, until it displays the symbol.

If the display button does not show the symbol, then it is hidden. How functions are displayed and the order in which they are displayed can be set in the multimedia system (→ page 308).

THE ROAD COLOUR OF THE BUTTON SYMBOL INDICATES THE CURRENT SETTING:

- (blue): ESP[®] ON
 - (yellow): ESP[®] SPORT
 - (red): ESP[®] OFF
-
- ▶ **To set ESP[®] SPORT:** briefly press button ② when ESP[®] is activated. The road in the button symbol lights up yellow. The and warning lamps appear in the driver display.
 - ▶ **To deactivate ESP[®] : set ESP[®] SPORT then press and hold the button ②.** The road in the button symbol lights up red. The and warning lamps appear in the driver display.



- ▶ **To activate[®] ESP:** briefly press button ② when ESP[®] SPORT is selected or ESP[®] is deactivated. The road in the button symbol lights up blue. The and or warning lamps go out.

When the symbol is shown with a red ! on the display button, ESP[®] is malfunctioning. Observe the information on warning lamps and display messages which are shown in the driver display.

ADJUSTING ESP[®] IN THE MULTIMEDIA SYSTEM (MERCEDES-AMG VEHICLES)

Multimedia system:

▶

- The AMG DYNAMIC SELECT menu can also be accessed via the DYNAMIC SELECT button.

ESP is always active when the engine is started. The road in the button symbol lights up blue.

- ▶ **To engage ESP[®] SPORT:** when ESP[®] is activated, briefly press to change to the *Sport* programme. The road in the button symbol lights up yellow.
- ▶ **Switch off ESP[®] :** engage the programme ESP[®] SPORT and press and hold to switch off ESP[®]. The road in the button symbol lights up red. The and warning lamps appear on the driver display.





- ▶ Switch on **ESP®**: in **ESP® SPORT** or when **ESP®** is switched off, briefly press .

The road in the  button symbol lights up blue.

The  and  or  warning lamps go out.

- i** You can also set **ESP®** via the steering-wheel buttons
→ page 371).

Function of EBD

ELECTRONIC BRAKEFORCE DISTRIBUTION (EBD) IS CHARACTERISED BY THE FOLLOWING:

- Monitoring and regulating the brake pressure on the rear wheels.
- Improved driving stability when braking, especially on bends.

Function of STEER CONTROL

STEER CONTROL assists you by transmitting a noticeable steering force to the steering wheel in the direction required for vehicle stabilisation.

THIS STEERING RECOMMENDATION IS GIVEN IN THE FOLLOWING SITUATIONS:

- both right wheels or both left wheels are on a wet or slippery road surface when you brake
- the vehicle starts to skid

Mercedes-AMG vehicles: if you brake and both right wheels or both left wheels are on a wet or slippery road surface, you will receive a steering

recommendation. If the vehicle is skidding, you will not receive a steering recommendation.

SYSTEM LIMITS

STEER CONTROL MAY BE IMPAIRED OR MAY NOT FUNCTION IN THE FOLLOWING SITUATIONS:

- **ESP®** is deactivated.
- **ESP®** is malfunctioning.
- The steering is malfunctioning.

If **ESP®** is malfunctioning, you will be assisted further by the power steering.

HOLD function

HOLD FUNCTION

The HOLD function holds the vehicle at a standstill without requiring you to depress the brake pedal, e.g. while waiting in traffic.

The HOLD function is only an aid. The responsibility for the vehicle safely standing still remains with the driver.

SYSTEM LIMITS

The HOLD function is only intended to provide assistance when driving and is not a sufficient means of safeguarding the vehicle against rolling away when stationary.

- The gradient must not be greater than 30 %.





ACTIVATING/DEACTIVATING THE HOLD FUNCTION

WARNING

Risk of an accident due to the HOLD function being active when you leave the vehicle

IF THE VEHICLE IS ONLY BRAKED WITH THE HOLD FUNCTION IT COULD, IN THE FOLLOWING SITUATIONS, ROLL AWAY:

- If there is a malfunction in the system or in the power supply.
- If the HOLD function is deactivated by depressing the accelerator pedal or brake pedal, e.g. by a vehicle occupant.
- ▶ Always secure the vehicle against rolling away before you leave it.

Requirements

- The vehicle is stationary.
- The driver's door is closed or the driver is correctly belted.
- The vehicle has been started or has been automatically switched off by the ECO start/stop function.
- The electric parking brake has been released.
- The transmission position **D**, **R** or **N** is engaged.

ACTIVATING THE HOLD FUNCTION

- ▶ Depress the brake pedal, and after a short time quickly depress further until the **HOLD** display appears on the driver display.
- ▶ Release the brake pedal.

DEACTIVATING THE HOLD FUNCTION

- ▶ Depress the accelerator pedal to start off.
or
 - ▶ Depress the brake pedal until **HOLD** disappears from the driver display.
- THE HOLD FUNCTION IS ALSO DEACTIVATED IN THE FOLLOWING SITUATIONS:**
- The parking position **P** is engaged.
 - The vehicle is secured with the electric parking brake.

IN THE FOLLOWING SITUATIONS, THE VEHICLE IS HELD BY THE PARKING POSITION **P AND/OR ELECTRIC PARKING BRAKE:**

- The seat belt is unfastened and the driver's door is opened.
- The vehicle is switched off.
- There is a system malfunction.
- The power supply is insufficient.
- ▶ Immediately depress the brake pedal firmly.
The HOLD function is deactivated.
- ▶ Additionally secure the vehicle against rolling away.





Function of Hill Start Assist

WARNING

Risk of accident and injury due to the vehicle rolling away

After a short time, Hill Start Assist no longer holds the vehicle.

- ▶ Swiftly move your foot from the brake pedal to the accelerator pedal. Do not leave the vehicle when it is being held by Hill Start Assist.

HILL START ASSIST HOLDS THE VEHICLE FOR A SHORT TIME WHEN STARTING OFF UPHILL UNDER THE FOLLOWING CONDITIONS:

- The transmission position **D** or **R** for starting off uphill is selected.
- The electric parking brake has been released.

This gives you enough time to move your foot from the brake pedal to the accelerator pedal and depress it without the vehicle rolling away immediately.

Function of Adaptive Brake Lights

ADAPTIVE BRAKE LIGHTS WARN FOLLOWING TRAFFIC IN AN EMERGENCY BRAKING SITUATION WITH THE FOLLOWING ACTIONS:

- flashing the brake lamps
- activating the hazard warning lights (→ page 65)

If the vehicle is braked sharply from speeds above 50 km/h, the brake lamps flash rapidly. This provides traffic travelling behind you with an even more noticeable warning.

Start-off assist

FUNCTION OF THE START-OFF ASSIST

The start-off assist enables optimal vehicle acceleration from a standstill. For this, a suitably high-grip road surface is required, the tyres and vehicle must also be in good condition.

Do not activate the start-off assist on public roads.

Be sure to observe the safety notes and information on ESP® (→ page 368).

ACTIVATING THE START-OFF ASSIST

WARNING

Risk of skidding and having an accident from wheels spinning

When you use start-off assist, individual wheels could spin and you could lose control of the vehicle.

If ESP® is deactivated, there is a risk of skidding and accident!

- ▶ Make sure that no persons or obstacles are in the close vicinity of your vehicle.

- ▶ Deactivating ESP® (→ page 371).
- ▶ Move the steering wheel to the straight-ahead position.
- ▶ Depress the brake pedal firmly with your left foot and keep it depressed.
- ▶ Engage the **D** drive position (→ page 322).



- ▶ Select the sportiest available drive program **[S+]** or **[S]** (→ page 312, 313).
- ▶ Rapidly depress the accelerator pedal fully.
- ▶ Take your foot off the brake, but keep the accelerator pedal depressed. The vehicle pulls away at maximum acceleration.
- ▶ Switch on ESP® once the acceleration procedure is complete. ESP® will otherwise not be able to stabilise the vehicle if the vehicle starts to skid or a wheel starts to spin.

CANCELLING THE START-OFF ASSIST

- ▶ Remove your foot from the accelerator pedal.
- ▶ Reactivate the ESP®.

ATTENTION ASSIST

FUNCTION OF ATTENTION ASSIST

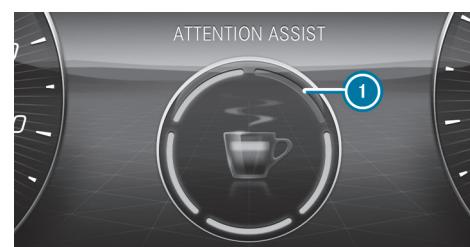
ATTENTION ASSIST assists you on long, monotonous journeys, e.g. on motorways and trunk roads. If indicators of fatigue or increasing lapses in concentration on the part of the driver are detected, the system suggests taking a break.

ATTENTION ASSIST serves solely as an aid. It cannot always promptly detect fatigue or lapses in concentration. The system is not a substitute for a well-rested and attentive driver. On long journeys, take regular, timely breaks to allow for adequate recovery.

YOU CAN CHOOSE BETWEEN TWO SETTINGS:

- **Standard:** normal system sensitivity.
- **Sensitive:** higher system sensitivity. The driver is warned earlier and the attention level detected by ATTENTION ASSIST is adapted accordingly.

If fatigue or increasing lapses in concentration is detected, the driver display shows the warning: **ATTENTION ASSIST: Take a break!**. You can acknowledge the message and take a break if necessary. If you do not take a break and ATTENTION ASSIST continues to detect increasing lapses in concentration, you will be warned again after a minimum of 15 minutes.



THE FOLLOWING INFORMATION IS DISPLAYED ON THE DRIVER DISPLAY:

- journey time since the last break.
- the attention level determined by ATTENTION ASSIST

The more segments ① of the circle displayed, the higher the detected attention level. Fewer segments ① are displayed in the circle as the attention level decreases.

If ATTENTION ASSIST is unable to calculate the attention level and cannot issue a warning, the **System suspended** message appears.

If the driver display shows a warning, the MBUX multimedia system offers to search for a rest area. You can select a rest area and start navigation to this rest area.

When you restart the vehicle, ATTENTION ASSIST is automatically switched on. The last selected sensitivity level remains stored.

SYSTEM LIMITS

ATTENTION ASSIST is active in the 60 km/h to 200 km/h speed range.



If the system is unavailable due to a fault, the ATTENTION ASSIST warning lamp  lights up continuously on the driver display.

FUNCTIONALITY OF ATTENTION ASSIST IS RESTRICTED, AND WARNINGS MAY BE DELAYED OR NOT ISSUED AT ALL IN THE FOLLOWING SITUATIONS IN PARTICULAR:

- If you have been driving for less than approximately 30 minutes
- If the road condition is poor (uneven road surface or potholes)
- If there is a strong side wind
- If you adopt a sporty driving style (high cornering speeds or high rates of acceleration)
- If the Active Steering Assist function of Active Distance Assist DISTRONIC is active
- If the clock is set to the incorrect time.
- If you change lanes and vary your speed frequently in active driving situations.

Observe also any information regarding display messages that can be displayed on the driver display.

THE ATTENTION ASSIST DROWSINESS OR ALERTNESS ASSESSMENT IS RESET AND RESTARTED WHEN CONTINUING THE JOURNEY IN THE FOLLOWING SITUATIONS:

- You switch off the vehicle.
- If you unfasten your seat belt and open the driver's door (e.g. to change drivers or take a break).

SETTING ATTENTION ASSIST

Multimedia system:

- ▶  ► Settings ► Assistance ► Assistance
 ► ATTENTION ASSIST
 ▶ Activate  or deactivate  ATTENTION ASSIST.

SETTING THE SENSITIVITY

- ▶ Select  alongside ATTENTION ASSIST.
- ▶ Select Standard or Sensitive.

Cruise control and limiter

FUNCTION OF CRUISE CONTROL

Cruise control regulates the speed to the value selected by the driver.

Forexample, the stored speed is not deleted if you accelerate to overtake. If you remove your foot from the accelerator pedal after overtaking, cruise control will resume speed regulation back to the stored speed.

You can set any speed above 20 km/h up to the maximum design speed or up to the set winter tyre limit.

Observe the notes on driving systems and your responsibility; you may otherwise fail to recognise potential dangers (→ page 365).

Mercedes-AMG vehicles: cruise control is available up to a maximum speed of 250 km/h.

NOTIFICATIONS ON THE DRIVER DISPLAY

 **Grey:** cruise control is selected but not yet activated or temporarily in passive mode.

 **Green:** cruise control is activated.





A stored speed is shown below the display  and is indicated in the speedometer.

SYSTEM LIMITS

Cruise control may be unable to maintain the stored speed on uphill gradients. The stored speed is resumed when the gradient evens out.

On long and steep downhill gradients, you must change down to a lower gear in good time. This is particularly important when driving a laden vehicle. You are thus making full use of the engine's braking effect. This will take some of the strain off the brake system and prevent the brakes from overheating and wearing too quickly.

DO NOT USE CRUISE CONTROL IN THE FOLLOWING SITUATIONS:

- in traffic situations which require frequent changes of speed, e.g. in heavy traffic, on winding roads
- on slippery roads. Accelerating can cause the drive wheels to lose traction and the vehicle could then begin skidding.
- when visibility is poor

FUNCTION OF THE LIMITER

The limiter restricts the speed of the vehicle. To reduce the speed to the stored speed, the limiter applies the brakes automatically.

YOU CAN LIMIT THE SPEED AS FOLLOWS:

- **Variable:** for short-term limitation of the travel speed, e.g. in built-up areas
- **Permanent:** for a longer-term speed restriction, e.g. in winter tyre mode

You can set any speed above 20 km/h up to the maximum design speed or up to the set winter tyre limit. You can also perform settings while the vehicle is stationary if the vehicle has been started.

Observe the notes on driving systems and your responsibility; you may otherwise fail to recognise potential dangers (→ page 365).

Mercedes-AMG vehicles: The limiter is available up to a maximum speed of 250 km/h.

NOTIFICATIONS ON THE DRIVER DISPLAY

- | | |
|---|--|
|  | Grey: variable limiter is selected but not yet activated. |
|  | Flashing grey: variable limiter is temporarily in passive mode. |
|  | Green: variable limiter is activated. |

A stored speed is shown below the display  and is indicated in the speedometer.

If you depress the accelerator pedal beyond the pressure point (kickdown), the variable limiter switches to passive mode. The  **passive** message appears on the driver display and the indicator  starts flashing.

THE VARIABLE LIMITER IS REACTIVATED IN THE FOLLOWING SITUATIONS:

- If the vehicle speed drops below the stored speed.
- If the stored speed is called up.
- If you store a new speed.





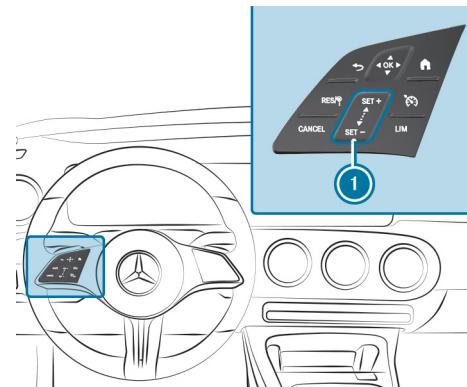
OPERATING CRUISE CONTROL OR THE VARIABLE LIMITER

⚠ WARNING

Risk of accident due to stored speed

If you call up the stored speed and this is lower than your current speed, the vehicle decelerates.

- ▶ Take into account the traffic situation before calling up the stored speed.



Steering wheel control panel for cruise control and variable limiter



A adopts the stored/detected speed



D Deactivates cruise control/the variable limiter



1 Control panel to increase/decrease speed



S Selects cruise control



V Selects the variable limiter

Operating cruise control and the variable limiter:

- ▶ Press the corresponding button with only one finger or swipe across the control panel.

Switching between cruise control and the variable limiter:

- ▶ **To select cruise control:** press .
- ▶ **To select the variable limiter:** press .

Vehicles with Active Distance Assist DISTRO^{NIC}: the variable limiter is selected using a different button (→ page 384).





Activating cruise control or the variable limiter:

- ▶ Press **SET+** or **SET-** on the control panel ①.

The current vehicle speed is stored and maintained by the vehicle via cruise control, or is restricted by the variable limiter.

or

- ▶ Press **RES/○**.

The last stored speed is called up and maintained by the vehicle via cruise control, or is restricted by the variable limiter.

If the last stored speed has previously been deleted, the current vehicle speed is stored.

- i** When you switch off the vehicle, the last speed stored is deleted.
When you activate cruise control or Active Distance Assist DISTRONIC, the last speed stored for the variable limiter is deleted.

Increasing/decreasing the stored speed:

- ▶ To increase the stored speed: swipe upwards from the bottom of the control panel ①.
 - The stored speed is increased by 1 km/h.
- ▶ To decrease the stored speed: swipe downwards from the top of the control panel ①.
 - The stored speed is decreased by 1 km/h.

or

- ▶ Briefly press **SET+** or **SET-** on the control panel ①.

The stored speed is increased or decreased to the next increment of ten (e.g. to 50 km/h or 60 km/h).

or

- ▶ Press and hold **SET+** or **SET-** on the control panel ①.

The stored speed is increased or decreased to the next increment of ten, and afterwards by increments of 10 km/h.

or

- ▶ Accelerate the vehicle to the desired speed.

- ▶ Press **SET+** on the control panel ①.

- i** When the variable limiter is switched to passive mode, you cannot increase or decrease its stored speed in increments of 1 km/h.

Deactivating cruise control or the variable limiter:

- ▶ Press **CANCEL**.

- i** If you brake, deactivate ESP® or if ESP® intervenes, cruise control is deactivated. The variable limiter is not deactivated.

- i** When you switch off the vehicle, the last speed stored is deleted.
When you activate cruise control or Active Distance Assist DISTRONIC, the last speed stored for the variable limiter is deleted.





INFORMATION ON THE PERMANENT LIMITER

If the vehicle should never exceed a specific speed (e.g. for driving in winter tyre mode), you can set this speed with the permanent limiter.

You do this by limiting the speed between 160 km/h and 240 km/h in the multimedia system (→ page 59).

Shortly before the set speed is reached, it appears on the driver display. When you confirm the message, display messages no longer appear until you switch off the vehicle. The speed will only be displayed again once the vehicle has been restarted or if the set speed is changed.

The permanent limiter does not switch to passive mode even during kickdown and the driven speed remains below the set speed.

SETTING THE SPEED LIMIT FOR WINTER TYRES

Multimedia system:

→  ► Settings ► Vehicle ► Driving ► Winter tyre limit

- ▶ Activate or deactivate Winter tyre limit.

SETTING A SPEED

- ▶ Select Winter tyre limit.
- ▶ Select a speed.

Active Distance Assist DISTRONIC

FUNCTION OF ACTIVE DISTANCE ASSIST DISTRONIC

WARNING

Risk of accident from acceleration or braking by Active Distance Assist DISTRONIC

ACTIVE DISTANCE ASSIST DISTRONIC MAY ACCELERATE OR BRAKE IN THE FOLLOWING CASES, FOR EXAMPLE:

- If the vehicle pulls away using Active Distance Assist DISTRONIC.
- If the stored speed is called up and is considerably faster or slower than the currently driven speed.
- If Active Distance Assist DISTRONIC no longer detects a vehicle in front or does not react to relevant objects.
- ▶ Always carefully observe the traffic conditions and be ready to brake at all times.
- ▶ Take into account the traffic situation before calling up the stored speed.



**⚠ WARNING**

Risk of accident due to insufficient deceleration by Active Distance Assist DISTRONIC

Active Distance Assist DISTRONIC brakes your vehicle with up to 50% of the possible deceleration. If this deceleration is not sufficient, Active Distance Assist DISTRONIC alerts you with a visual and acoustic warning.

- ▶ Adjust your speed and maintain a suitable distance from the vehicle in front.
- ▶ Brake the vehicle yourself and/or take evasive action.

⚠ WARNING

Risk of accident if detection function of Active Distance Assist DISTRONIC is impaired

ACTIVE DISTANCE ASSIST DISTRONIC DOES NOT REACT OR HAS A LIMITED REACTION:

- when driving on a different lane or when changing lanes
- to pedestrians, animals, bicycles or stationary vehicles, or unexpected obstacles
- to complex traffic conditions
- to oncoming vehicles and crossing traffic

As a result, Active Distance Assist DISTRONIC may neither give warnings nor intervene in such situations.

- ▶ Always observe the traffic conditions carefully and react accordingly.



Active Distance Assist DISTRONIC described for vehicles without Driving Assistance Package may be a Digital Extra (depending on the respective country of use) (→ page 109).

Active Distance Assist DISTRONIC maintains the set speed on free-flowing roads. If vehicles are detected ahead the set distance is maintained, if necessary until the vehicle comes to a standstill. The vehicle accelerates or brakes depending on the distance to the vehicle in front and the set speed.

The speed and distance to the vehicle in front are set and saved using the steering wheel.

Available speed range: 20 km/h - 160 km/h





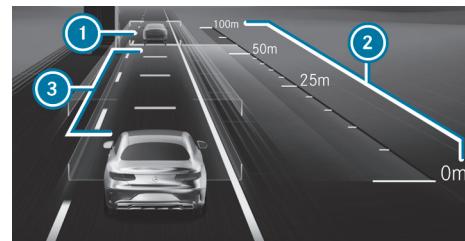
- (i)** The adjustable set speed may differ if a speed limit (e.g. winter tyre limit) is stored.

OTHER FEATURES OF ACTIVE DISTANCE ASSIST DISTRONIC:

- Adjusts the driving style depending on the selected drive program
- Initiates acceleration to the stored speed if the turn signal indicator is switched on to change to the overtaking lane
- **Vehicles with Driving Assistance Package:**
 - Reacts to stationary vehicles detected in urban speed ranges (except bicycles and motorcycles)
 - Takes one-sided overtaking restrictions into account on motorways or multi-lane roads with separate carriageways (country-dependent)

- (i)** In the Active Distance Assist menu, it is possible to set the driving mode of Active Distance Assist DISTRONIC. Depending on the selected drive program, the driving behaviour is energy-saving, comfortable or dynamic (→ page 389).

Observe the notes on driving systems and your responsibility; you may otherwise fail to recognise potential dangers (→ page 365).



Notification on the driver display in the menu [Assistance](#)

- (1)** Vehicle in front
- (2)** Distance indicator
- (3)** Set specified distance

The vehicle detected in front **(1)** is highlighted in green. It may also be in the lane to the right of your vehicle in situations where it is not permitted to overtake on the left, for example, on UK motorways.

PERMANENT STATUS DISPLAY

- | | |
|--|---|
| | Grey: Active Distance Assist DISTRONIC selected but not yet active. |
| | Green speedometer, grey vehicle: Active Distance Assist DISTRONIC active, speed set. |
| | Green: Active Distance Assist DISTRONIC active and vehicle detected. |

The stored speed is shown under the permanent status display and highlighted in the speedometer. Active Distance Assist DISTRONIC's status display is greyed out when in passive mode.

If the speed of the vehicle in front or the ascertained target speed due to the route event ahead is less than the stored speed, the segments in the speedometer light up.





If you increase or decrease the set specified distance ③, the  display appears briefly.

- ① The green vehicle symbol  is displayed cyclically when the vehicle is ready to pull away.
- ① If the accelerator pedal is depressed while Active Distance Assist DISTRONIC is operational, the system can be switched to passive mode. The  **suspended** message appears briefly on the driver display.

SYSTEM LIMITS

THE SYSTEM MAY BE IMPAIRED OR INOPERATIVE IN THE FOLLOWING INSTANCES, FOR EXAMPLE:

- In snow, rain, fog, heavy spray, if there is glare, in direct sunlight or in greatly varying light conditions.
- If the windscreen in the camera's area is dirty, misted up, damaged or covered.
- If the radar sensors are dirty or covered.
- In multi-storey car parks or on roads with steep uphill or downhill gradients.
- If there are narrow vehicles in front, such as bicycles or motorcycles.

In addition, one or more wheels may lose grip due to braking or acceleration on smooth or slippery roads, and the vehicle may begin skidding. If ESP® intervenes, Active Distance Assist DISTRONIC is deactivated.

Do not use Active Distance Assist DISTRONIC in these situations.

You can watch an animation on this topic via the following link:

OPERATING ACTIVE DISTANCE ASSIST DISTRONIC AND THE VARIABLE LIMITER

WARNING

Risk of accident if detection function of Active Distance Assist DISTRONIC is impaired

ACTIVE DISTANCE ASSIST DISTRONIC DOES NOT REACT OR HAS A LIMITED REACTION:

- when driving on a different lane or when changing lanes
- to pedestrians, animals, bicycles or stationary vehicles, or unexpected obstacles
- to complex traffic conditions
- to oncoming vehicles and crossing traffic

As a result, Active Distance Assist DISTRONIC may neither give warnings nor intervene in such situations.

- ▶ Always observe the traffic conditions carefully and react accordingly.



**⚠ WARNING**

Risk of accident from acceleration or braking by Active Distance Assist DISTRONIC

ACTIVE DISTANCE ASSIST DISTRONIC MAY ACCELERATE OR BRAKE IN THE FOLLOWING CASES, FOR EXAMPLE:

- If the vehicle pulls away using Active Distance Assist DISTRONIC.
- If the stored speed is called up and is considerably faster or slower than the currently driven speed.
- If Active Distance Assist DISTRONIC no longer detects a vehicle in front or does not react to relevant objects.
- ▶ Always carefully observe the traffic conditions and be ready to brake at all times.
- ▶ Take into account the traffic situation before calling up the stored speed.

⚠ WARNING

Risk of accident due to insufficient deceleration by Active Distance Assist DISTRONIC

Active Distance Assist DISTRONIC brakes your vehicle with up to 50% of the possible deceleration. If this deceleration is not sufficient, Active Distance Assist DISTRONIC alerts you with a visual and acoustic warning.

- ▶ Adjust your speed and maintain a suitable distance from the vehicle in front.
- ▶ Brake the vehicle yourself and/or take evasive action.

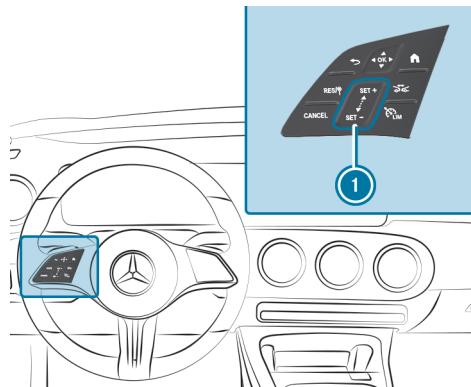
Requirements:**ACTIVE DISTANCE ASSIST DISTRONIC:**

- The electric parking brake has been released.
- ESP® is switched on and is not intervening.
- Transmission position **D** is engaged.
- All the doors are closed.
- Check of the radar sensor system has been successfully completed.

VARIABLE LIMITER:

- The variable limiter is selected.





Adopt the stored/detected speed

Deactivates Active Distance Assist DISTRONIC/variable limiter

① Control panel to increase/decrease speed

Increases/decreases the specified distance

Switches between the variable limiter and Active Distance Assist DISTRONIC

- ▶ **To operate Active Distance Assist DISTRONIC or the variable limiter:** press the respective button with only one finger or swipe across the control panel.

SWITCHING BETWEEN THE VARIABLE LIMITER AND ACTIVE DISTANCE ASSIST DISTRONIC

- ▶ Press .

ACTIVATING ACTIVE DISTANCE ASSIST DISTRONIC/THE VARIABLE LIMITER

- ▶ **To activate without a stored speed:** press , or . **Active Distance Assist DISTRONIC:** remove your foot from the accelerator pedal.

The current vehicle speed is stored and maintained by the vehicle via Active Distance Assist DISTRONIC or is restricted by the variable limiter.

or

- ▶ **To activate with a stored speed:** press . **Active Distance Assist DISTRONIC:** remove your foot from the accelerator pedal.

The last stored speed is called up and maintained by the vehicle via Active Distance Assist DISTRONIC or is restricted by the variable limiter.

If the stored speed has been deleted, the current vehicle speed is stored.

- ⓘ When you switch off the vehicle, the stored speed is deleted. When you activate Active Distance Assist DISTRONIC, the speed stored for the variable limiter is deleted.

INCREASING/DECREASING THE SPEED

- ▶ To increase the stored speed: swipe upwards from the bottom of the control panel ①.
 - The stored speed is increased by 1 km/h.
- ▶ To decrease the stored speed: swipe downwards from the top of the control panel ①.
 - The stored speed is decreased by 1 km/h.

or

- ▶ Briefly press the top or bottom of the control panel ①. The stored speed is increased or decreased by 10 km/h.

or



- ▶ Press the top  or bottom  of the control panel ① and hold pressed.

The stored speed is increased or decreased in 10 km/h increments.

or

- ▶ Accelerate the vehicle to the desired speed.
- ▶ Press the top  of the control panel ①.

PULLING AWAY WITH ACTIVE DISTANCE ASSIST DISTRONIC

- ▶ Activate Active Distance Assist DISTRONIC and remove your foot from the brake pedal.
- ▶ Press .

or

- ▶ Depress the accelerator pedal briefly and firmly.

The functions of Active Distance Assist DISTRONIC remain active.

INCREASING/DECREASING THE SPECIFIED DISTANCE TO THE VEHICLE IN FRONT

- ▶ Press .

The  display appears. The specified distance is reduced by one level.

If the lowest level is already selected, the selection jumps to the highest level.

DEACTIVATING ACTIVE DISTANCE ASSIST DISTRONIC/VARIABLE LIMITER

WARNING

Risk of an accident due to Active Distance Assist DISTRONIC being active when you leave the driver's seat

If you leave the driver's seat while the vehicle is being braked by Active Distance Assist DISTRONIC only, the vehicle can roll away.

- ▶ Always deactivate Active Distance Assist DISTRONIC and secure the vehicle to prevent it from rolling away before you leave the driver's seat.

- ▶ Press .



If you brake, deactivate ESP® or if ESP® intervenes, Active Distance Assist DISTRONIC is deactivated. The variable limiter is not deactivated.





FUNCTION OF ROUTE-BASED SPEED ADAPTATION

⚠ WARNING

Risk of accident in spite of route-based speed adaptation

Route-based speed adaptation can malfunction or be temporarily unavailable in the following situations:

- If the driver does not follow the calculated route
- If map data is not up-to-date or available
- In the event of roadworks
- In bad weather or road conditions
- If the accelerator pedal is depressed
- In the event of electronically displayed speed limitations
- ▶ Adapt the speed to the traffic situation.

When Active Distance Assist DISTROニック is activated, the vehicle speed will be adapted to the route events ahead. Depending on the drive program selected, the vehicle negotiates a route event ahead in an energy-saving, comfortable or dynamic manner. When the route event has been passed, the vehicle accelerates again to the stored speed. The set distance to the vehicle in front, vehicles detected ahead and speed restrictions ahead are taken into account.

Route-based speed adaptation can be activated in the multimedia system (→ page 389).

THE FOLLOWING ROUTE EVENTS ARE TAKEN INTO ACCOUNT:

- Bends
- Roundabouts
- T-junctions

- Turns and exits

ALSO, THE SPEED IS REDUCED IF THE TURN SIGNAL INDICATOR IS SWITCHED ON AND ONE OF THE FOLLOWING SITUATIONS IS DETECTED:

- Turning off at junctions
- Driving on slowing-down lanes
- Driving on lanes adjacent to slowing-down lanes

The driver is responsible for choosing the right speed and observing other road users. This applies in particular to junctions, roundabouts and traffic lights, as route-based speed adaptation does not brake the vehicle to a standstill.

When route guidance is active, the first speed adjustment is carried out automatically. If the turn signal indicator is switched on, the selected route is confirmed and further speed adjustment is activated.

SPEED ADJUSTMENT IS CANCELLED IN THE FOLLOWING CASES:

- If the turn signal indicator is switched off before the route event and it is presumed that the route event is not deemed relevant for the driver
- If the driver depresses the accelerator or brake pedal during the process.

SYSTEM LIMITS

Route-based speed adaptation does not take right of way regulations into account. The driver is responsible for complying with road traffic regulations and driving at a suitable speed.

IN DIFFICULT CONDITIONS, THE SPEED SELECTION MADE BY THE SYSTEM MAY NOT ALWAYS BE SUITABLE. THIS APPLIES TO THE FOLLOWING SITUATIONS, FOR EXAMPLE:

- The road's course is not clearly visible



- Road narrowing
- Varying maximum permissible speeds in individual lanes, for example, at toll stations
- Wet road surfaces, snow or ice

In these situations the driver must intervene accordingly.

SETTING THE DRIVING STYLE FOR ACTIVE DISTANCE ASSIST DISTRONIC

Requirements:

- Active Distance Assist DISTRONIC is activated.

Multimedia system:

▶ ➡ ➡ Settings ➡ Assistance ➡ Driving ➡ Active Distance Assist

SELECTING A DRIVING STYLE

- ▶ Select [Based on DYNAMIC SELECT, Dynamic or Comfortable](#).

i Additional information on Active Distance Assist DISTRONIC
(→ page 381).

SETTING SPEED ADJUSTMENT

- ▶ Select [Adopt speed limit](#) or [Route-based speed adjustment](#).

When these functions are active, the travel speed is adapted depending on the route events ahead or in accordance with a speed restriction.

i **IF ONE OF THE FOLLOWING SYSTEMS IS ACTIVATED, THE DETECTED SPEED CAN BE MANUALLY ADOPTED AS THE MAXIMUM PERMISSIBLE SPEED:**

- Active Distance Assist DISTRONIC

- Variable limiter

i Additional information on speed adjustment (→ page 388).

Active Steering Assist

FUNCTION OF ACTIVE STEERING ASSIST

⚠ WARNING

Risk of accident if Active Steering Assist unexpectedly stops functioning

If the system limits of Active Steering Assist are reached there is no guarantee that the system will remain active or will keep the vehicle in lane.

- ▶ Always keep your hands on the steering wheel and observe the traffic carefully.
- ▶ Always steer the vehicle paying attention to traffic conditions.

⚠ WARNING

Risk of accident if Active Steering Assist unexpectedly intervenes

The detection of lane markings and objects may malfunction and cause unexpected steering interventions.

- ▶ Steer according to traffic conditions.

Active Steering Assist is available up to a speed of 160 km/h.



The system helps you to stay in the centre of the lane by means of moderate steering interventions. Depending on the vehicle speed, Active Steering Assist uses the vehicles ahead and lane markings as a reference.

- i** Depending on the respective country of use, Active Steering Assist can use the surrounding traffic as a reference in the lower speed range. If necessary, Active Steering Assist can also assist when driving outside the centre of the lane, for example, to form an emergency corridor.

If the detection of lane markings and vehicles ahead is impaired, Active Steering Assist switches to passive mode. The system provides no support in this case.

STATUS DISPLAY OF ACTIVE STEERING ASSIST



Grey: activated and in passive mode



Green: activated and active



Red, flashing: prompt to the driver to actively confirm or transition from active to passive mode, system limits detected



White, red hands: "hands on the steering wheel" prompt

- i** During the transition from active to passive mode, the symbol is shown as enlarged and flashing. Once the system is in passive mode, the symbol is shown as grey on the driver display.

- i** Depending on the selected vehicle settings, Active Steering Assist may be unavailable.

STEERING AND TOUCH DETECTION

The driver is required to keep their hands on the steering wheel at all times to ensure that they can intervene at any time to correct the course of the vehicle and keep it in lane. The driver must anticipate a change from active to passive mode or vice versa at any time.



If the system detects that the driver has not steered the vehicle for a considerable period of time or has removed their hands from the steering wheel, an initial visual warning is issued. The notification **①** appears on the driver display. If the driver still does not steer the vehicle, or gives no confirmation to the system, a repetitive warning tone sounds in addition to the visual warning message.

If the driver does not react to this warning for a considerable period, an emergency stop may be initiated (→ page 391).

The warning is not issued or stops as soon as the system detects the driver touching or steering the steering wheel.

The touch detection may be limited or inoperative if there is no direct contact between the hand and the steering wheel, e.g. when wearing gloves or if there is a steering wheel cover on the steering wheel.





If Active Steering Assist detects that a system limit has been reached, a visual warning is issued and a warning tone sounds.

Observe the notes on driving systems and your responsibility; you may otherwise fail to recognise potential dangers (→ page 365).

SYSTEM LIMITS

Active Steering Assist has a limited steering torque for lateral guidance. In some cases, the steering intervention is not sufficient to keep the vehicle in the lane or to drive through exits.

THE SYSTEM MAY BE IMPAIRED OR INOPERATIVE IN THE FOLLOWING SITUATIONS:

- There is poor visibility, e.g. due to snow, rain, fog, heavy spray, greatly varying light conditions or dense shadows on the carriageway.
- There is glare, e.g. from oncoming traffic, direct sunlight or reflections.
- If there is insufficient road illumination.
- The windscreen is dirty, misted up, damaged or covered in the vicinity of the camera, e.g. by a sticker.
- If there are no lane markings in a given lane, or the markings are not easily discernible or change quickly, for example, in a construction area or at junctions.
- If the lane markings are worn away, dark or covered up, e.g. by dirt or snow.
- If the distance to the vehicle in front is too short and the lane markings can therefore not be detected.
- If the roadway is narrow and winding.
- If there are obstacles on the lane or projecting out into the lane, such as object markers.

THE SYSTEM DOES NOT PROVIDE ASSISTANCE IN THE FOLLOWING CONDITIONS:

- in very tight bends and when turning
- when crossing junctions
- at roundabouts or toll stations
- when actively changing lane without switching on the turn signal indicator
- when the tyre pressure is too low

You can watch an animation on this topic via the following link:

ACTIVATING/DEACTIVATING ACTIVE STEERING ASSIST

Requirements:

- ESP® is activated, but is not intervening.
- Active Distance Assist DISTRONIC is activated.

Multimedia system:

- ▶  ► Settings ► Assistance ► Driving
▶ Activate or deactivate **Active Steering Assist**.

Function of Active Emergency Stop Assist

-  The following function is only available in combination with the Driving Assistance Package.

Active Emergency Stop Assist monitors the steering wheel, as well as the accelerator and brake pedals. If the system detects a lack of driver activity or



the vehicle is in danger of leaving the lane, a warning can be issued and an emergency stop initiated.

If Active Steering Assist is switched off, the system is available from a speed of approx. 60 km/h.

IF THE VEHICLE IS IN DANGER OF LEAVING THE LANE, A WARNING IS ISSUED IN THE FOLLOWING INSTANCES.

- The driver has not touched the steering wheel for a certain while, or no steering movement is detected for a lengthy period (depending on the respective vehicle equipment).
- Neither the accelerator pedal nor the brake pedal is depressed.

i If Active Steering Assist is switched on and active, the system only monitors the steering wheel. If the driver has not touched the steering wheel for a certain time, a warning may be issued despite pedal actuation.
Observe also the instructions on touch detection of Active Steering Assist (→ page 389).



ACTIVE EMERGENCY STOP ASSIST ISSUES THE FOLLOWING WARNINGS IN SUCCESSION:

- The notification **i** appears on the driver display.

- In addition to the notification **i**, a warning tone sounds.
- The **Beginning emergency stop** message appears on the driver display, a continuous warning tone sounds and the vehicle will no longer accelerate.
- The vehicle speed is reduced in increments until the vehicle comes to a standstill. Sharp brake impulses are also effected.

When automatic braking is initiated, Active Distance Assist DISTRONIC is deactivated. Depending on the respective country of use, the hazard warning light system is also switched on.

WHEN THE VEHICLE HAS SLOWED TO A STANDSTILL:

- the vehicle is secured with the electric parking brake.
- the vehicle is unlocked.
- if possible, an emergency call is made to the Mercedes-Benz emergency call centre.

Before the **Beginning emergency stop** message is displayed, you can cancel Active Emergency Stop Assist by turning the steering wheel.

ONCE THE BEGINNING EMERGENCY STOP MESSAGE HAS BEEN DISPLAYED, YOU CAN CANCEL ACTIVE EMERGENCY STOP ASSIST AS FOLLOWS:

- Accelerating or braking: braking is cancelled, but the warning message, warning tone and electric power steering remain active.
- Steering: electric power steering is cancelled, the warning message and warning tone remain active, and the vehicle continues to be braked
- Steering and accelerating or braking: The emergency stop and electric power steering are cancelled. The warning message and the warning tone are cancelled.



- i** Active Emergency Stop Assist can initiate an emergency stop a maximum of three times within a driving cycle. After that, Active Steering Assist and Active Emergency Stop Assist are disabled until the vehicle has been restarted.

SYSTEM LIMITS

FOR THE DETECTION OF VEHICLES AND OTHER OBSTACLES, OBSERVE THE SYSTEM LIMITS OF THE FOLLOWING FUNCTIONS:

- Active Distance Assist DISTRONIC (→ page 381)
- Active Steering Assist (→ page 389)
- Active Lane Keeping Assist (→ page 403)
- Active Brake Assist (→ page 393)

ACTIVE EMERGENCY STOP ASSIST IS INACTIVE IN THE FOLLOWING CASE:

- Active Lane Keeping Assist and Active Steering Assist are switched off.

Active Brake Assist

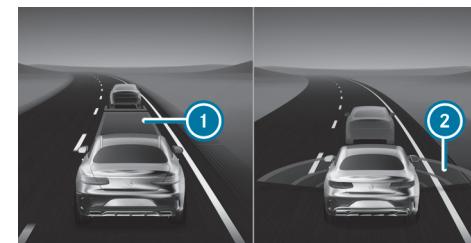
FUNCTION OF ACTIVE BRAKE ASSIST

ACTIVE BRAKE ASSIST CONSISTS OF THE FOLLOWING FUNCTIONS:

- Distance warning function
- Collision warning
- Autonomous braking function
- Situation-based brake force boosting
- **Vehicles Driving Assistance Package:** Evasive Steering Assist

Active Brake Assist can help you to minimise the risk of a collision with vehicles, cyclists or pedestrians, or to reduce the effects of such a collision.

If Active Brake Assist has detected a risk of collision, a warning tone sounds and the Active Brake Assist warning lamp lights up.



Notification on the driver display in the menu [Assistance](#)

- i** ① Distance insufficient
- ② Red radar waves

In the [Assistance](#) menu, an insufficient distance to the vehicle in front ① is displayed in red. If you further reduce the distance, the vehicle in front is also highlighted in red. When the system detects a risk of collision, red radar waves ② appear ahead of the vehicle.

- i** **Vehicles with PRE-SAFE®:** depending on the country, an additional haptic warning is given in the form of slight, repeated seat belt tensioning on the driver's side.

If you do not react to the warning, autonomous braking can be initiated in critical situations.

In particularly critical situations, Active Brake Assist can also initiate autonomous braking directly. In this case, the warning tone and the distance warning lamp are simultaneous with the braking action.





If you apply the brakes yourself in a critical situation or apply the brakes during autonomous braking, situation-based braking assistance is given. The brake pressure increases up to maximum emergency braking if necessary.



If autonomous braking, situation-related based assistance or evasive action has occurred, pop-up ① appears on the driver display. It automatically disappears after a short time.

If the autonomous braking function or the situation-based braking assistance is triggered, additional preventive measures for occupant protection by PRE-SAFE® may also be initiated.

⚠ WARNING

Risk of an accident caused by limited detection performance of Active Brake Assist

Active Brake Assist cannot always clearly identify objects and complex traffic situations.

IN SUCH CASES, ACTIVE BRAKE ASSIST MIGHT:

- Give a warning or brake without reason
- Not give a warning or not brake

Active Brake Assist is only an aid. The driver is responsible for maintaining a sufficiently safe distance to the vehicle in front, vehicle speed and for braking in good time.

- ▶ Always pay careful attention to the traffic situation; do not rely on Active Brake Assist alone.
- ▶ Be prepared to brake or swerve if necessary.

If Active Brake Assist is deactivated or the functions are restricted, e.g. owing to activation of another driving system, the Active Brake Assist warning lamp appears in the driver display.

If the system is unavailable due to soiled or damaged sensors or a fault, or if the functions are restricted, the Active Brake Assist warning lamp appears on the driver display.

Also observe the system limits of Active Brake Assist.

DISTANCE WARNING FUNCTION

From approximately 30 km/h, you are warned by the distance warning function if the safety distance to the vehicle travelling ahead is insufficient at the cur-





rent speed for several seconds. In this case, the  distance warning lamp in the driver display lights up. If the distance to the vehicle in front continues to decrease at higher speeds, the distance warning lamp  begins to flash.

COLLISION WARNING

THE COLLISION WARNING CAN ASSIST YOU IN THE FOLLOWING SITUATIONS WITH AN INTERMITTENT WARNING TONE AND THE WARNING LAMP:

- at speeds up to approximately 250 km/h when approaching moving vehicles ahead.
- at speeds up to approximately 80 km/h when approaching stationary vehicles, pedestrians walking along the road and moving cyclists ahead.
- at speeds up to approximately 70 km/h when approaching crossing pedestrians and cyclists.
- at speeds up to approximately 60 km/h when approaching stationary pedestrians and cyclists.

AUTONOMOUS BRAKING FUNCTION

AT SPEEDS ABOVE APPROXIMATELY 7 KM/H, THE AUTONOMOUS BRAKING FUNCTION CAN INTERVENE IN THE FOLLOWING SITUATIONS:

- at speeds up to approximately 250 km/h when approaching moving vehicles ahead.
- at speeds up to approximately 80 km/h when approaching moving cyclists ahead, pedestrians walking along the road and stationary vehicles.
- at speeds up to approximately 70 km/h when approaching crossing pedestrians and cyclists.

SITUATION-BASED BRAKE FORCE BOOSTING

AT SPEEDS ABOVE APPROXIMATELY 7 KM/H, SITUATION-RELATED BRAKE FORCE BOOSTING CAN INTERVENE IN THE FOLLOWING SITUATIONS.

- at speeds up to approximately 250 km/h when approaching moving vehicles ahead.
- at speeds up to approximately 80 km/h when approaching moving cyclists ahead, pedestrians walking along the road and stationary vehicles.
- at speeds up to approximately 70 km/h when approaching crossing pedestrians and cyclists.
- at speeds up to approximately 60 km/h when approaching stationary pedestrians and cyclists.

CANCELLING A BRAKING INTERVENTION BY ACTIVE BRAKE ASSIST

YOU CAN CANCEL A BRAKE APPLICATION OF ACTIVE BRAKE ASSIST AT ANY TIME BY:

- firmly depressing the accelerator pedal or by kickdown
- releasing the brake pedal.

ACTIVE BRAKE ASSIST MAY CANCEL THE BRAKING INTERVENTION WHEN ONE OF THE FOLLOWING CONDITIONS IS FULFILLED:

- You steer to avoid an obstacle.
- there is no longer a risk of collision
- An obstacle is no longer detected in front of your vehicle.





TURNING MANOEUVRE FUNCTION (VEHICLES WITH DRIVING ASSISTANCE PACKAGE):

If the system detects a risk of a collision with an oncoming vehicle when turning across an oncoming lane, autonomous braking can be initiated at speeds below 15 km/h before you have left your own lane.

ACTIVE EVASIVE STEERING ASSIST

⚠ WARNING

Risk of accident despite Active Evasive Steering Assist

Active Evasive Steering Assist cannot always clearly identify objects and complex traffic situations.

IN SUCH CASES, ACTIVE EVASIVE STEERING ASSIST MIGHT:

- issue an unfounded warning or initiate a steering intervention
- not issue a warning or not initiate a steering intervention.

The Active Evasive Steering Assist can provide support in preventing a collision via an automatically initiated steering intervention.

- ▶ Always pay careful attention to the traffic situation; do not rely on Active Evasive Steering Assist alone.
- ▶ Be prepared to brake or swerve if necessary.
- ▶ Drive with adjusted speed if pedestrians are in the area surrounding the road.

Active Evasive Steering Assist can automatically react to objects that are stationary or moving longitudinally in your lane.

ACTIVE EVASIVE STEERING ASSIST HAS THE FOLLOWING FEATURES:

- Detection of pedestrians, cyclists and vehicles.
- Assistance through autonomous steering intervention during a necessary evasive manoeuvre
- Autonomous activation if there is sufficient space in your own lane
- Reaction from a speed of approximately 30 km/h up to a speed of approximately 80 km/h.

When Active Evasive Steering Assist is intervening, and for the duration of the evasive action, a warning tone is sounded and the distance warning lamp flashes.

The steering assistance by Active Evasive Steering Assist can be cancelled at any time by steering, accelerating or braking.

ACTIVE EVASIVE STEERING ASSIST CAN INTERVENE IN THE FOLLOWING SPEED RANGES:

- when approaching stationary vehicles, pedestrians or cyclists at speeds from approximately 30 km/h to approximately 80 km/h
- when approaching pedestrians or cyclists moving longitudinally ahead at speeds from approximately 30 km/h to approximately 80 km/h

SYSTEM LIMITS

Full system performance is not yet available for a short time after switching on the vehicle or after driving off. Depending on the environmental conditions, it may take a few minutes before full system performance is available.

THE SYSTEM MAY BE IMPAIRED OR MAY NOT FUNCTION, PARTICULARLY IN THE FOLLOWING SITUATIONS:

- In snow, rain, fog, heavy spray, glare, in direct sunlight or in varying light conditions.





- if the sensors are soiled, misted up, damaged or covered.
- If the sensors are impaired due to interference from other radar sources, e.g. strong radar reflections in multi-storey car parks.
- If a loss of tyre pressure or a defective tyre has been detected and displayed.
- In complex traffic situations where objects cannot always be clearly identified.
- if pedestrians or vehicles move quickly into the sensor detection range.
- if pedestrians are hidden by other objects.
- if the typical outline of a pedestrian cannot be distinguished from the background.
- if a pedestrian is not detected as such, e.g. owing to special clothing or other objects.
- On bends with a tight radius.
- If the driver's seat belt is not fastened.
- if there is no lane marking, or it is not clearly recognisable
- if the course of the road is nowhere near straight

You can watch an animation on this topic via the following link:

SETTING ACTIVE BRAKE ASSIST

Requirements:

- The vehicle is switched on.

Multimedia system:

  ►► Settings ►► Assistance ►► Collision avoidance

- Activate or deactivate the function.

-  It is recommended that you always leave Active Brake Assist activated.

Switching off Active Brake Assist also switches off the distance warning function, the collision warning, the autonomous braking function and Active Evasive Steering Assist (with Driving Assistance Package - country-dependent).

-  If Active Brake Assist is deactivated, the  symbol appears in the status bar of the driver display and when the vehicle is next started the system is activated again.

-  The setting after starting the vehicle depends on the country.

SETTING WARNING TIMING

- Select  alongside **Active Brake Assist**.
- Select **Early**, **Medium** or **Late**.

-  If the ATTENTION ASSIST has detected signs of fatigue or a microsleep, depending on the country, the system can issue a warning earlier than set. Further information about ATTENTION ASSIST (→ page 377).





Traffic Sign Assist

FUNCTION OF TRAFFIC SIGN ASSIST

(i) This function can be a Digital Extra (→ page 109).

Traffic Sign Assist detects the traffic signs with the multifunction camera and compares them with the information from the digital road map of the navigation system. It supports you by showing detected speed restrictions and no-overtaking zones on the driver display.

Speed restrictions can also be shown in the head-up display.

The system can issue a warning when you exceed the maximum permissible speed.

In some countries, the system can provide you with further functions and can warn you when you are approaching pedestrian crossings. If the system detects that you are driving onto a section of road in the wrong direction of travel, it issues a warning.

The camera also detects and analyses traffic signs with a restriction indicated by an additional sign (e.g. in wet conditions).

Traffic Sign Assist portrays only selected signs on the driver display. Actual traffic signs and speed restrictions are always prioritised over traffic signs and speed restrictions shown on the driver display.

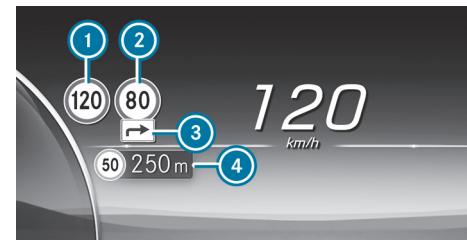
THE FOLLOWING SHOULD ALSO BE OBSERVED WHEN USING TRAFFIC SIGN ASSIST:

- Select a speed adapted to the traffic, surroundings and weather conditions.
- Observe actual traffic signs.

- Observe applicable traffic rules and regulations.

Observe the notes on driving systems and your responsibility; you may otherwise fail to recognise potential dangers (→ page 365).

NOTIFICATIONS ON THE DRIVER DISPLAY



Example

- ① Permissible speed
- ② Permissible speed when there is a restriction
- ③ Additional sign with restriction
- ④ Maximum permissible speeds up ahead

Maximum permissible speeds are always shown as a priority over other traffic signs, such as no-overtaking zones, for example. The head-up display shows only one traffic sign with a maximum permissible speed. If two speed signs are shown on the driver display, for example, when speed limits are detected, the value of the left-hand speed restriction ① is always transmitted to the limiter, cruise control or Active Distance Assist DISTRONIC for acceptance and is shown on the head-up display.

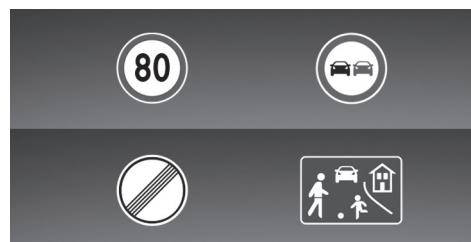
Important information from other systems can cause traffic signs to be hidden for a short time.





DEPENDING ON THE RESPECTIVE COUNTRY OF USE, TRAFFIC SIGN ASSIST CAN ALSO DETECT AND DISPLAY OTHER TRAFFIC SIGNS ①, INCLUDING:

- speed restrictions
- end of the speed restriction
- overtaking restrictions
- play streets
- signs showing the start or end of motorways and dual carriageways



Detected traffic signs (examples)

TRAFFIC SIGN ASSIST CAN ALSO DETECT THE FOLLOWING ADDITIONAL SIGNS ③, FOR EXAMPLE, AND EVALUATE RELEVANCE OF THE RESTRICTIONS WHERE NECESSARY USING AUXILIARY VEHICLE SENSORS:

- in wet conditions
- slippery road surfaces
- in fog
- temporary restrictions
- exits

Traffic Sign Assist also uses data from the digital road map of the navigation system. When you leave or enter a municipality or change roads, on a motor-

way exit or slip road for example, or after you turn at a junction, the display on the driver display can thus be updated without a traffic sign having been detected.

- ① Regularly update the digital road map of the navigation system to ensure optimum functioning of Traffic Sign Assist (→ page 49).

Depending on the respective vehicle equipment and country of use, the system may also display upcoming speed restrictions on the driver display and head-up display. The driver display can also show the distance to an upcoming lower limit speed. Information from the digital road map of the navigation system is used for this purpose. The **Assistance** menu can also display a dynamic visualisation of the speed restrictions ahead.

If Traffic Sign Assist cannot determine the current maximum permissible speed, e.g. due to a lack of signage, the following display appears on the driver display:



Traffic Sign Assist is not available in all countries. This display is shown permanently in the vehicle when travelling in countries which do not support Traffic Sign Assist.

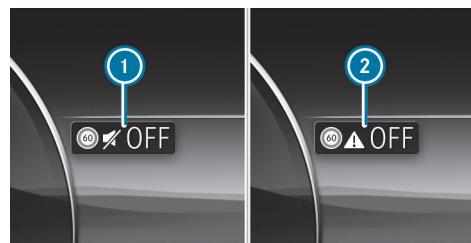
If the system is temporarily or permanently unavailable due to a technical fault or soiling of the windscreens, a corresponding display message appears on the driver display. The Traffic Sign Assist warning lamp also lights up on the driver display in certain countries.

- ① Please also note the information on the display messages from Traffic Sign Assist (→ page 769).



WARNING WHEN THE MAXIMUM PERMISSIBLE SPEED IS EXCEEDED

The system can warn you if you are about to exceed the maximum permissible speed. Depending on the respective country of use, you can set how much the maximum permissible speed may be exceeded in the multimedia system before a warning is issued. You can switch off the warning, or select in the settings whether the warning should be issued visually, with the traffic sign flashing in the driver display, or as a combination of visual and audible warning. Selection of the type of warning is confirmed via a notification on the driver display, depending on the respective country of use.



Example

- ① Visual warning only
- ② Warning off

i The type, duration and deployment stages of the speed limit warning, as well as the option of setting the timing of the deployment stages upon which the warning is issued, are subject to legislation valid for the respective country in which the vehicle is delivered.

ADDITIONAL WARNING FUNCTIONS

Warning for no-entry signs: Traffic Sign Assist can warn you if you drive the wrong way down a section of road, for example, on motorway slip roads or one-way streets.

Warning at pedestrian crossings: if you approach pedestrian crossings, provided that pedestrians are in the danger zone or are moving towards it, Traffic Sign Assist can warn you up to a speed of approximately 70 km/h.

SYSTEM LIMITS

THE SYSTEM MAY BE IMPAIRED OR INOPERATIVE IN THE FOLLOWING SITUATIONS IN PARTICULAR:

- If visibility is poor, e.g. due to insufficient illumination of the road, highly variable shade conditions, rain, snow, fog, swirling dust or heavy spray.
- if there is glare, e.g. from oncoming traffic, direct sunlight or reflections
- If there is soiling on the windscreen in the vicinity of the multifunction camera, or if the camera is misted up, damaged or obscured.
- If the traffic signs are difficult to see because, for example, they are dirty, obscured, faded, iced over, damaged, inconveniently positioned, insufficiently illuminated or askew.
- Active traffic signs with LED displays may not be detected correctly, or even at all due to technical factors such as transmission frequency.
- If the information on the navigation system's digital road map is incorrect, incomplete or out of date.
- If the signs, road markings or road layout are ambiguous, e.g. traffic signs at road works, at exits and slip roads, adjacent lanes or parallel roads, and pedestrian crossing markings at traffic lights.
- If the signage or road markings do not comply with the standard.
- If the signage, road markings or road guidance are country-specific and deviate from the navigation system's route guidance, e.g. at or after road works.
- After sharp turns and in tight bends, if traffic signs are outside the camera's field of vision.
- If you overtake vehicles with traffic signs affixed or attached to them.



SETTING TRAFFIC SIGN ASSIST

Multimedia system:

▶

ACTIVATING OR DEACTIVATING THE SPEED LIMIT WARNING

The speed limit warning is switched on by default (depending on the respective country).

- ▶ Switch off [Speed limit warning](#).

Following country-specific legislation, the speed limit warning remains deactivated until the next time the vehicle is switched on or off.

The audible speed limit warning can also be switched off and on via quick-access, by pressing and holding the mute button on the steering wheel, by pressing the speed icon in the status line of the media display or via a voice control command (availability of these functions is country-dependent).

CHANGE THE TYPE OF SPEED LIMIT WARNING

- ▶ Change the warning to [Visual](#) or [Visual & audible](#).

SETTING THE WARNING THRESHOLD

This value determines the speed at which a warning is issued when exceeded.

- ▶ Set the desired speed under [Warning Threshold](#).

Availability of the function is subject to country-specific legislation.

SWITCHING THE ACOUSTIC SIGNAL FOR A NEW MAXIMUM PERMISSIBLE SPEED ON OR OFF

The acoustic signal for a new maximum permissible speed is switched off at the factory.

The function determines whether a subtle, non-intrusive sound supports each change of the displayed speed in the driver display.

- ▶ Activate or deactivate the function.

Availability of the function is dependent on the respective country.

Traffic light view

INFORMATION ABOUT THE TRAFFIC LIGHT VIEW

The traffic light view supports the driver when waiting in front of a red light by displaying the camera image on the central display. The camera image is displayed when the driver is the first vehicle in front of the red light and faded out when the vehicle drives off.

DISPLAYING TRAFFIC LIGHT VIEW

Requirements:

- The [Traffic light view](#) option is switched on.
- A traffic light view is available.





Multimedia system:

                                <img alt="Blue double arrow icon" data-bbox="10681 181 10705 198



⚠ WARNING

Risk of accident despite exit warning

The exit warning neither reacts to stationary objects nor to persons or road users approaching you at a greatly differing speed.

The exit warning cannot warn drivers in these situations.

- ▶ Always pay particular attention to the traffic situation when opening the doors and make sure there is sufficient clearance.

If there is a vehicle in the monitoring range, this is indicated in the outside mirror. If a vehicle occupant opens the door on the side with the warning, a warning tone sounds and the warning lamp in the outside mirror starts to flash.

This additional function is only available when Blind Spot Assist is active. When the exit warning is activated, it can warn vehicle occupants for up to three minutes after switching the vehicle off. The exit warning is no longer available once the warning lamp in the outside mirror flashes three times.

The exit warning is only an aid and not a substitute for the attention of vehicle occupants. The responsibility for opening the doors and exiting the vehicle remains with the vehicle occupants at all times.

SYSTEM LIMITS

BLIND SPOT ASSIST MAY BE RESTRICTED IN THE FOLLOWING SITUATIONS, IN PARTICULAR:

- if there is dirt on the sensors or the sensors are obscured
- in poor visibility, e.g. owing to fog, heavy rain or snow
- if there are narrow vehicles, e.g. bicycles or motorcycles
- if the road has very wide or narrow lanes

- if vehicles are not driving in the middle of their lane

Warnings may be issued in error when driving close to crash barriers or similar continuous lane borders. Always make sure that there is sufficient distance to the side for other traffic or obstacles.

Warnings may be interrupted when driving alongside long vehicles, e.g. trucks, for a prolonged period.

Blind Spot Assist is not operational when reverse gear is engaged.

THE EXIT WARNING MAY BE LIMITED IN THE FOLLOWING SITUATIONS:

- when the sensors are covered by adjacent vehicles in narrow parking spaces
- when people approach the vehicle
- in the event of stationary or slowly moving objects

ACTIVATING OR DEACTIVATING BLIND SPOT ASSIST

Multimedia system:

- ▶ ➡  ➡ Settings ➡ Assistance ➡ Collision avoidance
- ▶ Activate or deactivate **Blind Spot Assist**.

Active Lane Keeping Assist

FUNCTION OF ACTIVE LANE KEEPING ASSIST

Active Lane Keeping Assist monitors the area in front of your vehicle using the multifunction camera (→ page 365).

It can protect you against unintentionally departing your lane. The system can guide you back into your lane with a course-correcting steering intervention, and warn you with tangible steering wheel feedback.





Active Lane Keeping Assist is available in the speed range between 60 km/h and 200 km/h.

THE SYSTEM CAN INTERVENE IF THE FOLLOWING CONDITIONS ARE MET:

- Active Lane Keeping Assist detects a lane marking.
- You touch this lane marking with one of your front wheels.

If you activate the turn signal indicators, there is no steering intervention on that side.

There is no steering intervention if you leave your lane without activating the turn signal indicators, but there is a risk of collision with a moving obstacle in your own lane.

Vehicles with Blind Spot Assist or Driving Assistance Package: If the system detects an obstacle, e.g. another vehicle, in the adjacent lane, there is steering intervention despite the direction indicators.



IN THE FOLLOWING CASES THE WARNING ① APPEARS ON THE DRIVER DISPLAY AND A WARNING TONE SOUNDS:

- A steering intervention by Active Lane Keeping Assist lasts more than approximately ten seconds.
- There are two or more steering interventions by the systems within approximately three minutes, without steering action by the driver.

You can set the sensitivity of the system in the Active Lane Keeping Assist settings in order to determine the level of assistance. You can also determine whether the system is to react to broken lane markings, or only to continuous lane markings (→ page 405).

STATUS DISPLAYS OF ACTIVE LANE KEEPING ASSIST



White: Active Lane Keeping Assist is switched off.

If ESP® is switched off or a tyre pressure loss warning is indicated, Active Lane Keeping Assist is automatically switched off.



Yellow: There is a malfunction. Also note any display messages.



Grey: Active Lane Keeping Assist is switched on but not ready.



Green: Active Lane Keeping Assist is switched on and ready.



Red: Active Lane Keeping Assist has guided you back into your lane by a course-correcting steering intervention. If a tangible warning is also given in the steering wheel, the status display flashes. The lane marking of the affected side is shown in red.



Notification on the driver display in the [Assistance](#) menu

If one of your front wheels moves onto a detected lane marking, this is highlighted in red in the [Assistance](#) menu on the driver display.



SYSTEM LIMITS

IN THE FOLLOWING SITUATIONS, THERE MAY BE NO COURSE-CORRECTING STEERING INTERVENTION, BUT A WARNING MAY BE GIVEN IN THE STEERING WHEEL DEPENDING ON THE SITUATION:

- if you clearly and actively steer, brake or accelerate.
- if a driving safety system is intervening, e.g. ESP® or Active Brake Assist
- if you have adopted a sporty driving style with high cornering speeds or high rates of acceleration.

THE SYSTEM MAY BE IMPAIRED OR INOPERATIVE IN THE FOLLOWING SITUATIONS IN PARTICULAR:

- if there is poor visibility, e.g. owing to insufficient illumination of the road, highly variable shade conditions, rain, snow, fog or heavy spray
- if there is glare, e.g. from oncoming traffic, direct sunlight or reflections.
- if there is soiling on the windscreen in the vicinity of the multifunction camera, or if the camera is misted up, damaged or obscured.
- if the bumper is soiled in the area of the radar sensors, or if these are damaged or obscured
- if there are no lane markings, or several unclear lane markings are present for one lane, e.g. around roadworks.
- if the lane markings are worn, dark or covered.
- if the distance to the vehicle in front is too short and the lane markings can therefore not be detected.
- if the lane markings change quickly, e.g. lanes branch off, cross one another or merge.
- if the lanes are very narrow and winding.

Observe the notes on driving systems and your responsibility; you may otherwise fail to recognise potential dangers (→ page 365).

You can watch an animation on this topic via the following link:

ACTIVATING/DEACTIVATING ACTIVE LANE KEEPING ASSIST

Multimedia system:

- ▶▶ ➡ Settings ➡ Assistance ➡ Collision avoidance
 ➡ Active Lane Keeping Assist
 ▶ Activate or deactivate the function.

Alternatively, Active Lane Keeping Assist can be activated and deactivated via vehicle quick-access .

- The setting after starting the vehicle depends on the country.

SETTING ACTIVE LANE KEEPING ASSIST

Multimedia system:

- ▶▶ ➡ Settings ➡ Assistance ➡ Collision avoidance
 ➡ Active Lane Keeping Assist

SETTING THE SENSITIVITY

- ▶ Select .
- ▶ Select Early, Med. or Late.

The last setting selected will be applied the next time the vehicle is started.

- The standard setting of this function is country-dependent.

- The function may not be available on vehicles with Driving Assistance Package, depending on the country.



ACTIVATING/DEACTIVATING ASSISTANCE WHEN LANE MARKINGS ARE INTERRUPTED

- ▶ Select **Advanced support**.

The last setting selected will be applied the next time the vehicle is started.

 The standard setting of this function is country-dependent.

 Depending on the country, this function must be activated in order for the full scope of Emergency Stop Assist to be available. Further information on Emergency Stop Assist (→ page 391).

Function of adaptive damping adjustment

The suspension with adaptive damping adjustment continually adjusts the characteristics of the suspension dampers to the current operating and driving conditions.

THE DAMPING IS SET INDIVIDUALLY FOR EACH WHEEL AND IS AFFECTED BY THE FOLLOWING FACTORS:

- the road surface conditions
- the vehicle load
- the drive program selected
- the driving style

The drive program can be adjusted using DYNAMIC SELECT.

AMG RIDE CONTROL

FUNCTION OF AMG RIDE CONTROL

AMG RIDE CONTROL is an electronically controlled damping system for improved driving comfort and increased driving safety.

THE DAMPING IS ADJUSTED INDIVIDUALLY TO EACH WHEEL AND DEPENDS ON THE FOLLOWING FACTORS:

- driving style, e.g. sporty
- road condition, e.g. undulations
- individual selection of **SPORT**, **SPORT +** or **COMFORT**

The suspension tuning depends on the selected drive program.

In each drive program, you can also select the tuning individually using the AMG steering wheel button (→ page 406). After every change of drive program, automatic suspension tuning is active again.

 When the vehicle is started again, the **COMFORT** setting is activated automatically.

SELECTING SUSPENSION TUNING WITH THE AMG STEERING WHEEL BUTTON

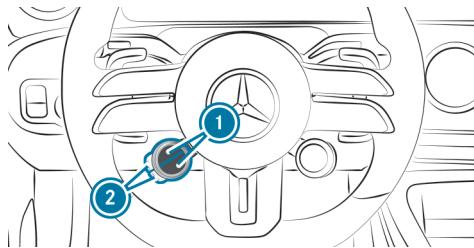
 You can also adjust the suspension setting via the multimedia system (→ page 316).

YOU CAN SELECT FROM THREE DIFFERENT SUSPENSION SETTINGS:

- **COMFORT** ensures a comfortable suspension setting. Select this suspension setting if you prefer a comfortable driving style.



- **SPORT** ensures a firmer suspension setting. Select this suspension setting when employing a sporty driving style, e.g. on winding country roads.
- **SPORT +** ensures a very firm suspension setting.



► Press the upper or lower ① display button repeatedly, until it displays the  symbol.

i If the display button does not show the symbol, then it is hidden. How functions are displayed and the order in which they are displayed can be set in the multimedia system (→ page 308).

► Press the corresponding button ②.

The selected suspension setting is shown on the driver display as a message.

THE SYMBOL INDICATES THE CURRENTLY SELECTED MODE:

-  (blue): COMFORT
-  (yellow): SPORT
-  (red): SPORT +

RACE START

INFORMATION ON RACE START

i RACE START is available only for Mercedes-AMG vehicles.

RACE START enables optimal vehicle acceleration from a standstill. A suitably high-grip road surface is required for this, and the tyres and vehicle must also be in good condition.

i You can use RACE START only after the vehicle has been run in for approximately 1,500 km.

i RACE START must not be used in normal road operation. RACE START may be activated and used only on dedicated race circuits, not on public roads.

Read the safety notes and information on ESP® (→ page 369).

⚠ WARNING

Risk of skidding and having an accident from wheels spinning

If you use RACE START, depending on the ESP® mode selected, there is an increased risk of skidding and having an accident.

► Make sure that no persons or obstacles are in the close vicinity of your vehicle.





ACTIVATING RACE START

WARNING

Risk of skidding and having an accident from wheels spinning

If you use RACE START, depending on the ESP® mode selected, there is an increased risk of skidding and having an accident.

- ▶ Make sure that no persons or obstacles are in the close vicinity of your vehicle.

Requirements:

- The driver's door is closed.
- The engine is running and the transmission and engine are at normal operating temperature.
- The steering wheel is in the straight-ahead position.
- The vehicle is on level ground.
- The vehicle is stationary, the brake pedal is depressed (left foot) and the parking brake is released.
- One of the **S** or **S+** drive programs is selected (→ page 311).

i RACE START is available only for Mercedes-AMG vehicles and must not be used during normal road operation. RACE START may be activated and used only on dedicated race circuits, not on public roads.

Read the safety notes and information on ESP® (→ page 369).

- ▶ Rapidly depress the accelerator pedal fully.

The engine speed will increase. The **RACE START Release brake to start** message will appear on the driver display.

i If the brake pedal is not released after a short while, RACE START will be cancelled. The **RACE START cancelled** message will appear on the driver display.

- ▶ Take your foot off the brake, but keep the accelerator pedal depressed. The vehicle will pull away at maximum acceleration. The **RACE START active** message will appear on the driver display.

RACE START will be deactivated immediately if you release the accelerator pedal during RACE START or if any of the activation conditions is no longer fulfilled. The **RACE START cancelled** message will appear on the driver display.

i After being used several times in short succession, RACE START will be unavailable until a certain distance has been driven.

Reversing camera

FUNCTION OF THE REVERSING CAMERA

The reversing camera serves solely as an aid. It is not a substitute for you having to pay attention to your surroundings. The responsibility for safe manoeuvring and parking remains with you. Ensure that there are no persons, animals or objects etc. in the manoeuvring area while manoeuvring and parking.

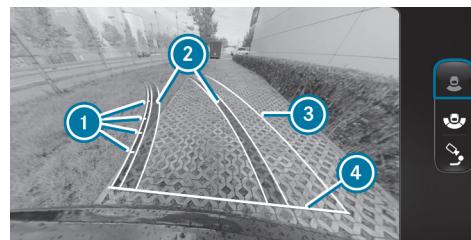




- ⓘ** The area behind the vehicle is displayed as a mirror image, as it would appear in the inside mirror.

CAMERA PERSPECTIVE ON THE CENTRAL DISPLAY

Vehicles without Parking Package



Example

- ⓘ** Guide lines at a distance of approximately 0.5 m, 1.0 m, 1.5 m and 3.0 m from the rear area
- ⓘ** Path indicating the route the wheels will take at the current steering angle (dynamic)
- ⓘ** Driven surface depending on the current steering angle (dynamic)
- ⓘ** Guide line at a distance of approximately 0.3 m from the rear area

WIDE-ANGLE VIEW



Example

- ⓘ** Switching on the wide-angle view

PEDESTRIAN BRAKING FUNCTION

- ⓘ** This function is only available in vehicles without the Parking Package. Vehicles with the Parking Package are equipped with manoeuvring assistant functions (→ page 426).

The pedestrian braking function can prevent collisions with pedestrians when reversing the vehicle at slow speeds. If the reversing camera detects a person in the vehicle's path, the vehicle can be braked to a standstill.

THE PEDESTRIAN BRAKING FUNCTION CAN INTERVENE UNDER THE FOLLOWING CONDITIONS:

- The vehicle is reversing at a speed below 15 km/h.
- The camera image is shown on the central display.

When automatic braking is triggered, the symbol appears in red in the camera image.



In addition, the message  **Pedestrian! Deact. emerg. braking: press here** appears.

The driver can close or ignore this message. Pedestrian braking then remains active. When the driver taps the message, pedestrian braking is momentarily deactivated.

IN THE FOLLOWING CASES, THE PEDESTRIAN BRAKING FUNCTION IS ACTIVATED AGAIN:

- The vehicle is travelling forwards faster than 16 km/h.
- The vehicle is switched off and on again.

 If the function is unavailable or deactivated, the symbol  appears in grey in the camera image.

The pedestrian braking function serves solely as an aid. It is not a substitute for you having to pay attention to your surroundings. The responsibility for safe manoeuvring, parking and exiting parking spaces remains with you. Ensure that no persons, animals or objects etc. are in the vehicle's path.

⚠ WARNING

Risk of accident caused by limited detection of the pedestrian braking function

The pedestrian braking function cannot always clearly detect people. Other obstacles are not detected by the function.

In these cases, the function may brake unnecessarily or not brake at all.

- ▶ Always pay careful attention to the traffic situation; do not rely on the pedestrian braking function alone.
- ▶ Be ready to brake.

IN THE FOLLOWING SITUATIONS, THE PEDESTRIAN BRAKING FUNCTION IS NOT AVAILABLE:

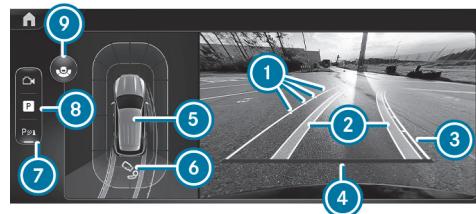
- on uphill gradients
- if the reversing camera is not operational

Please also note the system limits of the reversing camera.

CAMERA PERSPECTIVE ON THE CENTRAL DISPLAY

Vehicles with Parking Package





Example

- ① Guide lines at a distance of approximately 0.5 m, 1.0 m, 1.5 m and 3.0 m from the rear area
- ② Path indicating the route the wheels will take at the current steering angle (dynamic)
- ③ Driven surface depending on the current steering angle (dynamic)
- ④ Guide line at a distance of approximately 0.3 m from the rear area
- ⑤ Warning display of Parking Assist PARKTRONIC (→ page 417)
- ⑥ Trailer view or reversing camera (depending on the respective vehicle version)
- ⑦ Activate/deactivate Parking Assist PARKTRONIC (→ page 420)
- ⑧ Menu **Parking Assistance**
- ⑨ Wide-angle view

i When Active Parking Assist is active, the paths ② are displayed in green (→ page 421).

WIDE-ANGLE VIEW



Example

- ① Switch on the standard view
- ② Warning display of Parking Assist PARKTRONIC (→ page 417)
- ③ Activate/deactivate Parking Assist PARKTRONIC (→ page 420)

SYSTEM LIMITS

If the system is not ready for operation, the message **System inoperative** appears on the driver display and/or on the central display.

If a camera perspective is selected and the central display is temporarily black or does not show a camera image, the camera system is also faulty or is not ready for operation.



**⚠ WARNING**

Risk of accident due to functional limitations of the reversing camera

Functional limitations of the reversing camera could lead to a risk of collision with persons or objects.

- ▶ Do not use the reversing camera if its functions are limited.
- ▶ Ensure that there are no persons, animals or objects etc., in the manoeuvring area while manoeuvring and parking.

THE REVERSING CAMERA WILL NOT FUNCTION, OR WILL ONLY PARTIALLY FUNCTION IN THE FOLLOWING SITUATIONS:

- You are driving forwards at a speed greater than approximately 16 km/h.
- The boot lid is open.
- The weather conditions are poor, e.g. heavy rain, snow, fog, storm or spray.
- The light conditions are poor, e.g. at night or if a light is shining into the camera.
- The camera lens is obstructed, dirty or misted up. Observe the notes on cleaning the reversing camera (→ page 624).
- The camera or rear of your vehicle is damaged. In this case, have the camera, its position and setting checked at a qualified specialist workshop.

The field of vision and other functions of the camera system may be restricted due to additional vehicle attachments (e.g. licence plate bracket or bicycle rack).

ⓘ The contrast of the display can be impaired by incidental light or other light sources, e.g. when driving out of a garage. Particular attention must be afforded in this case.

ⓘ Have the display repaired or replaced if, for example, its use is considerably restricted due to pixel errors.

Observe also the information on vehicle sensors and cameras (→ page 365).

360° Camera

FUNCTION OF THE 360° CAMERA**THE 360° CAMERA IS A SYSTEM COMPRISING FOUR CAMERAS:**

- Front camera
- Reversing camera
- Two outside mirror cameras

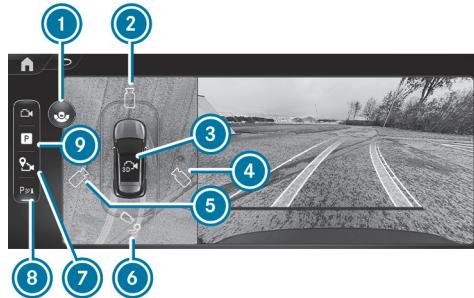
The cameras record the immediate surroundings of the vehicle and provide assistance, e.g. during parking or at exits which are difficult to see.

The cameras serve solely as aids and may show a distorted view of obstacles, show them incorrectly or even omit them altogether. They are not a substitute for you having to pay attention to your surroundings. The responsibility for safe manoeuvring and parking remains with you. Ensure that there are no persons, animals or objects etc. in the manoeuvring area while manoeuvring and parking.





CAMERA PERSPECTIVES ON THE CENTRAL DISPLAY



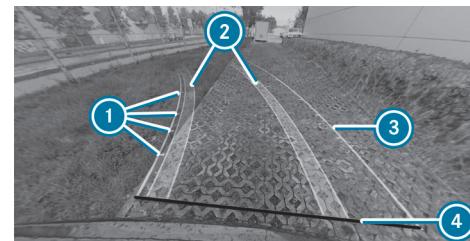
Example

- ① Switching between standard view and wide-angle view
- ② Image from the front camera
- ③ 3D auto view
- ④ 3D view right-hand side of the vehicle
- ⑤ 3D view left-hand side of the vehicle
- ⑥ Trailer view (depending on the respective equipment) or reversing camera
- ⑦ Set the GPS activation point (→ page 416)
- ⑧ Activate/deactivate Parking Assist PARKTRONIC (→ page 420)
- ⑨ Menu **Parking Assistance**

i The warning display of Parking Assist PARKTRONIC is shown in all views (→ page 417).

i Availability of the 3D-Auto-View ③ and 3D-View ④, ⑤ functions is dependent upon the respective equipment.

FUNCTION OF THE GUIDE LINES



Example

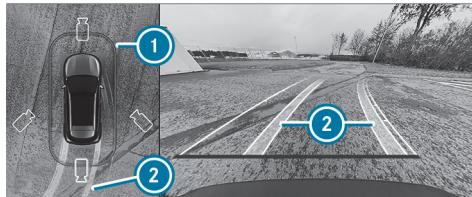
- ① Guide lines at a distance of approximately 0.5 m, 1.0 m, 1.5 m and 3.0 m from the rear area
- ② Path indicating the route the wheels will take at the current steering angle (dynamic)
- ③ Driven surface depending on the current steering angle (dynamic)
- ④ Guide line at a distance of approximately 0.3 m from the rear area

i When Active Parking Assist is active, paths and guide lines are displayed in green instead of yellow (→ page 421).





TOP VIEW WITH THE IMAGE FROM THE FRONT OR REVERSING CAMERA



Example

- ① Warning display of Parking Assist PARKTRONIC (→ page 417)
- ② Path indicating the current steering angle

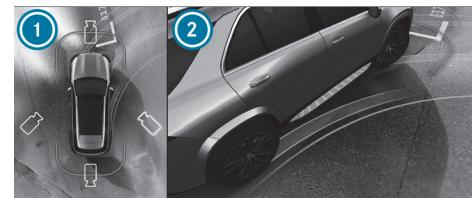
3D VIEW, LEFT/RIGHT-HAND SIDE OF THE VEHICLE

WARNING

Risk of accidents due to objects not being displayed or being displayed as heavily distorted

Due to the projection of the cameras, objects in the 3D views may be heavily distorted or not displayed at all.

- ▶ Ensure that there are no persons, animals or objects in the manoeuvring area while manoeuvring and parking.



Example

- ① Top view with warning display of Parking Assist PARKTRONIC
- ② Side view of the outside mirror cameras

In the 3D view, left/right-hand side of the vehicle, the virtual camera moves to the respective side of the vehicle ②. When you change the transmission position, the view is automatically adapted. In addition, the top view ① is displayed with the Parking Assist PARKTRONIC warning display.

- ⓘ Display of the area beneath the vehicle may deviate from the actual circumstances.

3D AUTO VIEW

- ⓘ The area behind the vehicle is **not** displayed as a conventional mirror image in the 3D views.



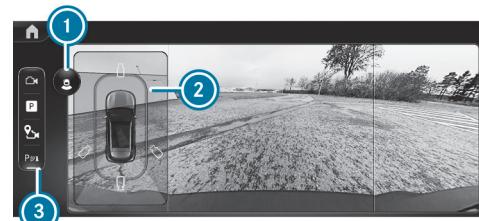
Example

- ① Warning display of Parking Assist PARKTRONIC (→ page 417)
- ② Guide lines

In the 3D auto view, the virtual camera moves to the standard view, facing forward from the rear above the roof. The view changes automatically when approaching obstacles.

If you touch the touchscreen, the view changes to a 3D view with free rotation. You can turn, tilt and zoom the views by touch.

WIDE-ANGLE VIEW



Example

- ① Switching between standard view and wide-angle view
- ② Display of Parking Assist PARKTRONIC (→ page 417)
- ③ Activating/deactivating Parking Assist PARKTRONIC (→ page 420)

SYSTEM LIMITS

If the system is not ready for operation, the message **System inoperative** appears on the driver display and/or on the central display.

If a camera perspective is selected and the central display is temporarily black or does not show a camera image, the camera system is also faulty or is not ready for operation.

WARNING

Risk of accident due to functional limitations of the 360° camera

If the function of the 360° camera is restricted, there is a risk of collision with persons or objects.

- ▶ Do not use the 360° camera in case of functional limitations.
- ▶ Ensure that there are no persons, animals or objects etc., in the manoeuvring area while manoeuvring and parking.

THE 360° CAMERA WILL NOT FUNCTION, OR WILL ONLY PARTIALLY FUNCTION IN THE FOLLOWING SITUATIONS, FOR EXAMPLE:

- You are driving forwards at a speed greater than approximately 16 km/h.
- The doors are open.
- An outside mirror is not completely extended.
- The boot lid is open.
- The weather conditions are poor, e.g. heavy rain, snow, fog, storm or spray.
- The light conditions are poor, e.g. at night or if a light is shining into the camera.
- The camera lens is obstructed, dirty or misted up. Refer to the notes on cleaning the 360° camera (→ page 624).





- If cameras or vehicle components in which the cameras are fitted are damaged. In this event, have the cameras, their positions and their setting checked at a qualified specialist workshop.

For technical reasons, the standard height of the vehicle may be altered if the vehicle is carrying a heavy load and this can result in inaccuracies in the guide lines and in the display of generated images.

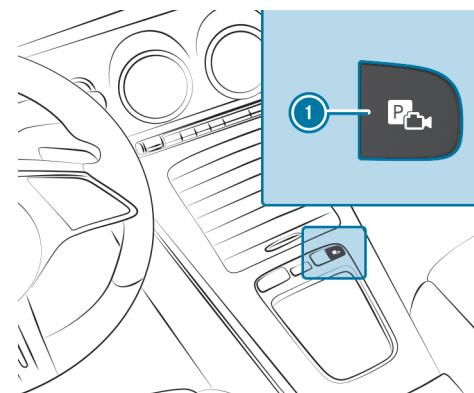
The field of vision and other functions of the camera system may be restricted due to additional vehicle attachments (e.g. licence plate bracket or bicycle rack).

i Contrast of the display may be impaired by abrupt direct sunlight or other light sources, e.g. when driving out of a garage. Particular attention must be afforded in this case.

i Have the display repaired or replaced if, for example, its use is considerably restricted due to pixel errors.

Observe also the information on vehicle sensors and cameras (→ page 365).

CALLING UP THE 360° CAMERA VIEWS USING THE BUTTON



- ▶ Press button ①.
- ▶ Select the menu **Camera views**.
- ▶ Select the desired view in the multimedia system (→ page 412).

SELECTING A VIEW FOR THE 360° CAMERA (REVERSE GEAR)

- ▶ Engage reverse gear.
- ▶ Select the desired view in the multimedia system (→ page 412).

MANAGING 360° CAMERA WITH GPS-ACTIVATION POSITIONS

Multimedia system:

▶

RENAMING AN ACTIVATION POSITION

i You can determine activation positions in the **Camera views** menu (→ page 412).

- ▶ Select for the desired activation position.



- ▶ Select **Edit**.

- ▶ Enter a name and confirm.

The activation position is stored under the new name.

DELETING AN ACTIVATION POSITION

- ▶ Select **...** for the desired activation position.
- ▶ Select **Delete entry**.
- ▶ Confirm the prompt.

The activation position is deleted.

OPENING THE CAMERA COVER

Multimedia system:

- ▶
- ▶ Select **Open camera cover**.

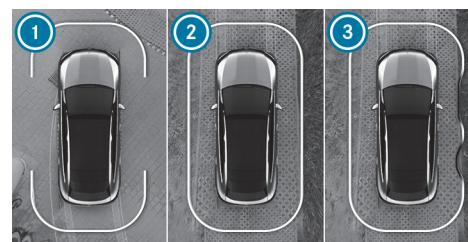
- (i)** The camera cover closes automatically after some time, or after the vehicle is switched on or off.

Passive side impact protection can be activated and deactivated via the multi-media system (→ page 420).

In order that front or rear obstacles to the side can be displayed, the vehicle must first travel a distance of at least half a vehicle length. Once the vehicle has travelled a distance of one vehicle length, obstacles on all sides can be shown.

Parking Assist PARKTRONIC serves solely as an aid. It is not a substitute for you having to pay attention to your surroundings. The responsibility for safe manoeuvring, parking and exiting parking spaces remains with you. Ensure that there are no persons, animals or objects etc. in the manoeuvring area while manoeuvring and parking in/exiting parking spaces.

DISPLAYS ON THE CENTRAL DISPLAY



Example: vehicles with 360° camera

- (1)** Ready for display at the front and rear
- (2)** Ready for display all around
- (3)** Ready for display all around and obstacles detected

Parking Assist PARKTRONIC

FUNCTION OF PARKING ASSIST PARKTRONIC

Parking Assist PARKTRONIC is an electronic parking assistance system which monitors the area surrounding your vehicle. The distance between your vehicle and a detected obstacle is displayed visually and acoustically.

The passive side impact protection also warns you of obstacles to the side. These must be detected beforehand by the sensors in the front or rear bumper while driving by them. If you steer in the direction of a detected obstacle and there is a risk of a lateral collision, a warning is issued.





Example: vehicles with reversing camera

- ① Ready for display at the front and rear
- ② Ready for display all around
- ③ Ready for display all around and obstacles detected

As soon as Parking Assist PARKTRONIC is ready for display, the respective areas ① to ③ of the display are shown in blue.

THE COLOUR OF THE DISPLAY CHANGES DEPENDING ON THE DISTANCE TO THE DETECTED OBSTACLE:

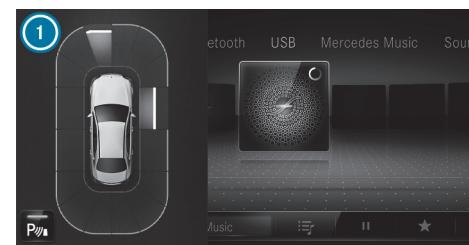
- **Blue:** > 1 m (no obstacles detected)
- **Yellow:** approximately 1 m - 0.7 m
- **Orange:** approx. 0.7 m - 0.4 m
- **Red:** < 0.4 m

Vehicles with 360° camera: the boundary line shifts dynamically depending on the position and distance of the obstacles detected.

An intermittent warning tone also sounds depending on the distance to the obstacle detected. You can set the timing of the warnings in the multimedia system. In the [Warn early](#) setting, the system warns you from a distance of 1 m. In the standard setting, from a shorter distance of 0.4 m.



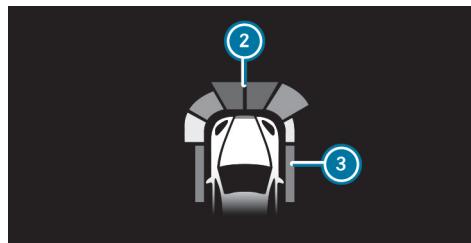
Example: vehicles with 360° camera



Example: vehicles with reversing camera

IF YOU ARE NOT IN THE CAMERA & PARKING MENU AND AN OBSTACLE IN THE VEHICLE'S PATH IS DETECTED, A POP-UP WINDOW ① APPEARS ON THE CENTRAL DISPLAY IF THE FOLLOWING REQUIREMENTS ARE MET:

- **Vehicles without Active Parking Assist:** when driving no faster than 12 km/h.
- **Vehicles with Active Parking Assist:** when driving no faster than 18 km/h.



Head-up display (example)

Optionally, obstacles detected by Parking Assist PARKTRONIC from a distance of approximately 1.0 m in front ② and 0.7 m at the sides ③ can also be displayed on the head-up display.

SYSTEM LIMITS

PARKING ASSIST PARKTRONIC DOES NOT NECESSARILY TAKE INTO ACCOUNT THE FOLLOWING OBSTACLES:

- Obstacles below the detection range, e.g. persons, animals or objects
- Obstacles above the detection range, e.g. protruding loads, overhangs or loading ramps of lorries
- Pedestrians or animals approaching the vehicle from the side
- Objects placed next to the vehicle

OBSTACLES ON THE SIDES ARE NOT SHOWN IN THE FOLLOWING SITUATIONS, FOR EXAMPLE:

- You park the vehicle and switch it off.
- You open the doors.

After the vehicle is restarted, obstacles must be detected again by driving past them before a new warning can be issued.

OBSERVE ALSO THE SYSTEM LIMITS OF THE FOLLOWING SYSTEMS:

- Reversing camera (→ page 408)
- 360° camera (→ page 412)

Observe the information on vehicle sensors and cameras; otherwise the system cannot function properly (→ page 365).

PROBLEMS WITH PARKING ASSIST PARKTRONIC

If the Parking Assist PARKTRONIC display lights up red for approximately three seconds and then goes out, and the symbol appears on the driver display, the system may have been deactivated due to signal interference. Start the vehicle again and check whether Parking Assist PARKTRONIC works in a different location.

IF A WARNING TONE ALSO SOUNDS, THE CAUSES MAY BE AS FOLLOWS:

- **The sensors are dirty:** clean the sensors (→ page 624).
- **Parking Assist PARKTRONIC has been deactivated due to a malfunction:** restart the vehicle. If the problem persists, consult a qualified specialist workshop.





ACTIVATING/DEACTIVATING PARKING ASSIST PARKTRONIC

! NOTE

Vehicle damage when parking or manoeuvring due to nearby objects

Parking Assist PARKTRONIC may not detect certain objects in the close-up range.

- ▶ When parking or manoeuvring, pay particular attention to objects that are under or above the sensors, e.g. flower pots or drawbars. The vehicle or other objects may otherwise be damaged.

Requirements:

- The camera menu is open.
- Or: the Parking Assist PARKTRONIC pop-up window is displayed.

- ▶ Tap  on the central display.

If the indicator lamp is lit, Parking Assist PARKTRONIC is active. If the indicator lamp does not light up or the symbol  is displayed, Parking Assist PARKTRONIC is not active.

- (i)** Parking Assist PARKTRONIC is automatically activated when the vehicle is started.

Alternatively, Parking Assist PARKTRONIC can be activated or deactivated in the quick-access menu.

SETTING THE WARNING TONES OF PARKING ASSIST PARKTRONIC

Multimedia system:

  >> Settings >> Assistance >> Parking >> PARKTRONIC

SETTING WARNING TONES

- ▶ Select [Set warning tones](#).
- ▶ Set the desired level under [Volume](#) or [Tone pitch](#).

ACTIVATING/DEACTIVATING AUDIO FADEOUT

- ▶ Select [Audio fadeout](#) and activate or deactivate [Audio fade for warnings](#).
The volume of the media source currently playing is reduced when a warning tone sounds in Parking Assist PARKTRONIC.

or

- ▶ Select [Audio fadeout](#) and activate or deactivate [Audio fadeout in trans. position R](#).
The volume of the media source currently playing is reduced when reverse gear is engaged.

SETTING WARNING TIMING

- ▶ Select [Time of warning](#).
- ▶ Set the desired warning time for [Front](#) or [Rear](#).
- ▶ Activate or deactivate [Side warning](#).



Active Parking Assist

FUNCTION OF ACTIVE PARKING ASSIST

WARNING

Risk of accident due to objects located above or below the detection range of Active Parking Assist

IF THERE ARE OBJECTS ABOVE OR BELOW THE DETECTION RANGE, THE FOLLOWING SITUATIONS MAY ARISE:

- Active Parking Assist may steer too early.
- The vehicle may not stop in front of these objects.

There is a danger of collision!

- ▶ In these situations, do not use Active Parking Assist.

Active Parking Assist is an electronic parking assistance system which uses ultrasound with the assistance of the reversing camera or 360° camera. When you are driving forwards up to approximately 35 km/h, the system automatically measures parking spaces on both sides of the vehicle.

Active Parking Assist serves solely as an aid. It is not a substitute for you having to pay attention to your surroundings. The responsibility for safe manoeuvring, parking and unparking remains with you at all times. Ensure that no persons, animals or objects etc. are in the vehicle's path.

Active Parking Assist offers the following functions:

VEHICLES WITH REVERSING CAMERA

- Parking in parking spaces parallel to the roadway
- Reversing into parking spaces perpendicular to the roadway

The parking space is freely selectable. The parking procedure is executed with the vehicle reversing.

VEHICLES WITH 360° CAMERA

- Parking in parking spaces parallel to the roadway
- Parking in parking spaces perpendicular to the roadway (either forwards or reversing as desired)
- Parking in parking spaces that can only be detected as such from markings (forexample at the roadside)
- Exiting parking spaces if you have parked using Active Parking Assist

The parking space is freely selectable. The parking direction (forwards or reversing) can also be freely selected, depending on the orientation of the parking space.

If Active Parking Assist is available, the notification appears on the driver display. When the system detects parking spaces, the notification appears. The arrows show the side of the roadway on which free parking spaces are detected. These are then shown on the central display.

When Active Parking Assist is activated, the turn signal indicator is activated based on the calculated path of your vehicle. The parking and unparking procedures are assisted by acceleration, braking, steering and gear changes.

To start the parking procedure, press the button (→ page 422).

ACTIVE PARKING ASSIST WILL BE CANCELLED IN THE FOLLOWING SITUATIONS:

- You press the button again.
- You begin steering.
- You select the park position .





- You engage the electric parking brake.
- ESP® intervenes.
- You open the driver's door.

SYSTEM LIMITS

If the exterior lighting is malfunctioning, Active Parking Assist is not available.

OBSERVE ALSO THE SYSTEM LIMITS OF THE FOLLOWING SYSTEMS:

- Reversing camera (→ page 408)
- 360° camera (→ page 412)

Objects above or below the detection range of Active Parking Assist, e.g. protruding loads, overhangs or loading ramps of trucks or parking space boundaries are not detected when measuring the parking space. These are also not subsequently taken into account when calculating the parking procedure. In some circumstances, Active Parking Assist may therefore prematurely guide you into the parking space or brake too late.

Certain environmental conditions, such as snowfall or heavy rain, may lead to a parking space being mismeasured. Parking spaces that are partially occupied by trailer drawbars might not be identified as such or may be measured incorrectly. Only use Active Parking Assist on level road surfaces with adequate grip.

Active Parking Assist can also display unsuitable parking spaces, e.g. parking spaces in which parking is not permitted or on unsuitable surfaces.

DO NOT USE ACTIVE PARKING ASSIST IN THE FOLLOWING SITUATIONS, FOR EXAMPLE:

- in extreme weather conditions, such as ice, packed snow or in heavy rain.
- when transporting a load that protrudes beyond the vehicle
- if the parking space is on a steep downhill or uphill gradient

- when snow chains are fitted
- directly after a tyre change or when spare tyres are fitted
- if the tyre pressure is too low or too high
- on steep downhill gradients of more than approximately 15%
- if the vehicle level has been offset, e.g. mounting the kerb on one side (vehicles with level control)

You can watch an animation on this topic via the following link:

PARKING WITH ACTIVE PARKING ASSIST

WARNING

Risk of accident due to objects located above or below the detection range of Active Parking Assist

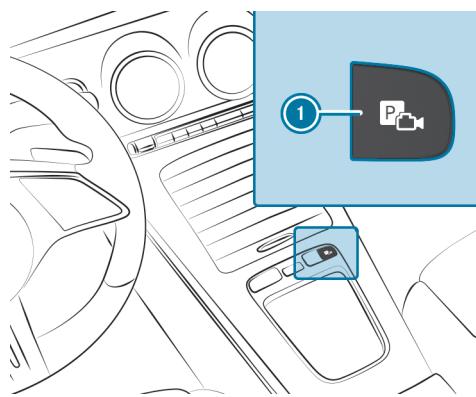
IF THERE ARE OBJECTS ABOVE OR BELOW THE DETECTION RANGE, THE FOLLOWING SITUATIONS MAY ARISE:

- Active Parking Assist may steer too early.
- The vehicle may not stop in front of these objects.

There is a danger of collision!

- ▶ In these situations, do not use Active Parking Assist.





- ▶ Press the button ①.



Parking Assist menu (example for left-hand side of the screen)

- ▶ Select the menu **Parking Assistance** ② .

Parking spaces ③ detected by the system are shown on the central display.

At speeds greater than approximately 16 km/h, the camera perspective on the right-hand side of the screen switches off.



Parking Assist menu (example)

When the vehicle is at a standstill, the indicated vehicle path ⑤ into the currently selected parking space ⑥ also appears.

- ▶ If a parking space is displayed: stop the vehicle.
- ▶ If necessary, select another parking space.
- ▶ **Vehicles with 360° camera:** to change the parking direction, tap the selected parking space again.
- ▶ **To start the parking procedure:** press the button ① again.

or

- ▶ Depress the brake pedal and select **Start parking procedure** ④ .
- ▶ Take your hands off the steering wheel and release the brake pedal. The vehicle drives into the selected parking space. The duration of the parking procedure is indicated by a progress bar. The turn signal indicator is switched on automatically when the parking procedure begins. You are responsible for selecting the turn signal indicator in accordance with the traffic conditions. If necessary, select the turn signal indicator accordingly.





⚠ WARNING

Risk of accident due to vehicle swinging out while parking or pulling out of a parking space

While parking or exiting a parking space, the vehicle swings out and can drive onto areas of the oncoming lane.

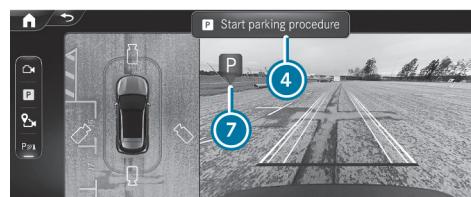
This could cause you to collide with objects or other road users.

- ▶ Pay attention to objects and other road users.
- ▶ Where necessary, stop the vehicle or cancel the parking procedure with Active Parking Assist.

Following completion of the parking procedure, the message **Active Parking Assist finished** appears.

- ▶ Secure the vehicle against rolling away. When necessitated by legal requirements or local conditions: turn the wheels towards the kerb.

- i** You can stop the vehicle and change the transmission position during the parking procedure. The system then calculates a new vehicle path. If no new vehicle path is available, the transmission position can be changed again, or the process can be cancelled.



Immediate parking via the **Camera views** menu

- ▶ Select the **Camera views** menu.
- ▶ When the vehicle is stationary and in transmission position **R**, and the symbol **7** appears in the camera image: press the button **1** again.

or

- ▶ Depress the brake pedal and select **Start parking procedure** **4**.
The parking procedure is initiated for the detected parking space.

- i** The parking space and parking direction cannot be changed in immediate parking.

EXITING A PARKING SPACE WITH ACTIVE PARKING ASSIST

⚠ WARNING

Risk of accident due to objects located above or below the detection range of Active Parking Assist

IF THERE ARE OBJECTS ABOVE OR BELOW THE DETECTION RANGE, THE FOLLOWING SITUATIONS MAY ARISE:

- Active Parking Assist may steer too early.
- The vehicle may not stop in front of these objects.

There is a danger of collision!

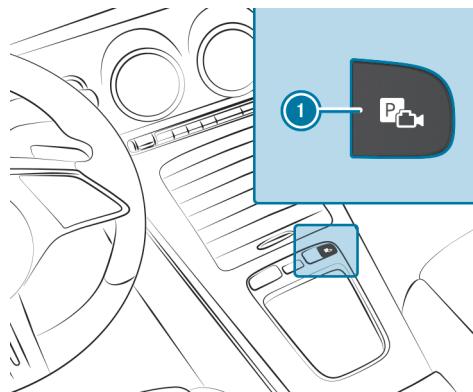
- ▶ In these situations, do not use Active Parking Assist.

Requirements:

- The vehicle is equipped with a 360° camera.
- The vehicle has been parked with Active Parking Assist.



- ▶ Start the vehicle.



- ▶ Press the button ①.



Parking Assist menu (example for left-hand side of the screen)

- ▶ Select the menu **Parking Assistance** ②.
- ▶ If necessary, change the direction of exit ④.
- ▶ **To initiate the unparking procedure:** press the button ① again.

or

- ▶ Depress the brake pedal and select **Start unparking procedure** ③ (depending on the respective vehicle equipment).
- ▶ If necessary, change the transmission position. Observe any messages displayed on the driver display and central display.
The vehicle moves out of the parking space.
The duration of the unparking procedure is indicated by a progress bar.

The turn signal indicator is automatically switched on when the unparking procedure is initiated, and automatically switched off again when it is completed. You are responsible for selecting the turn signal indicator in accordance with the traffic conditions. If necessary, select the turn signal indicator accordingly.

⚠ WARNING

Risk of accident due to vehicle swinging out while parking or pulling out of a parking space

While parking or exiting a parking space, the vehicle swings out and can drive onto areas of the oncoming lane.

This could cause you to collide with objects or other road users.

- ▶ Pay attention to objects and other road users.
- ▶ Where necessary, stop the vehicle or cancel the parking procedure with Active Parking Assist.

After the parking space has been exited, a warning tone and the **Active Parking Assist finished, take control of vehicle** message prompt you to take control of the vehicle. You have to accelerate, brake, steer and change gear yourself again.

If you do not react to the prompt to reassume control of the vehicle, the system will brake the vehicle to a standstill.



PAUSING ACTIVE PARKING ASSIST

⚠ WARNING

Risk of accident due to objects located above or below the detection range of Active Parking Assist

IF THERE ARE OBJECTS ABOVE OR BELOW THE DETECTION RANGE, THE FOLLOWING SITUATIONS MAY ARISE:

- Active Parking Assist may steer too early.
- The vehicle may not stop in front of these objects.

There is a danger of collision!

- ▶ In these situations, do not use Active Parking Assist.

YOU CAN INTERRUPT THE PARKING OR UNPARKING PROCEDURE OF ACTIVE PARKING ASSIST BY PERFORMING ONE OF THE FOLLOWING ACTIONS, FOR EXAMPLE:

- ▶ Depress the brake pedal.
- ▶ Open the front passenger door, a rear door, the boot or the bonnet.
- ▶ Apply the electric parking brake or activate the HOLD function.

REINITIATING THE PARKING OR UNPARKING PROCEDURE:

- ▶ Check the vehicle surroundings.
- ▶ Ensure once again that there are no persons, animals or objects in the vehicle's path.
- ▶ Gently depress the accelerator pedal.
Observe the messages relayed on the driver display and central display.
- ▶ Observe the system limits of Active Parking Assist (→ page 421).

AUTOMATIC BRAKING FUNCTION OF ACTIVE PARKING ASSIST

⚠ WARNING

Risk of accident due to objects located above or below the detection range of Active Parking Assist

IF THERE ARE OBJECTS ABOVE OR BELOW THE DETECTION RANGE, THE FOLLOWING SITUATIONS MAY ARISE:

- Active Parking Assist may steer too early.
- The vehicle may not stop in front of these objects.

There is a danger of collision!

- ▶ In these situations, do not use Active Parking Assist.

Persons or objects detected in the vehicle's path may trigger a sudden braking action, which will in turn halt the parking or unparking procedure. The vehicle will then remain at a standstill. The parking or unparking procedure is resumed if you depress the accelerator pedal.

Check the area around your vehicle again before resuming the parking or unparking procedure. Ensure once again that no persons, animals or objects are in the vehicle's path. Observe also the system limits of Active Parking Assist.

Manoeuvring assistant

FUNCTION OF DRIVE AWAY ASSIST

Drive Away Assist can reduce the severity of an impact when pulling away. If the system detects an obstacle in the direction of travel, the vehicle's speed is briefly restricted to approximately 2 km/h. When a critical situation is detected, the symbol  appears on the central display.



Drive Away Assist can be switched off or on in the [Manoeuvring assistance](#) menu.

- ⓘ You can cancel an intervention by Drive Away Assist at any time by deactivating Parking Assist PARKTRONIC.

WARNING

Risk of accident caused by limited detection performance of Drive Away Assist

Drive Away Assist cannot always clearly identify objects and traffic situations.

- ▶ Always pay careful attention to the traffic situation; do not rely on Drive Away Assist alone.
- ▶ Be prepared to brake or swerve as necessary, provided the traffic situation permits and that it is safe to take evasive action.

Drive Away Assist serves solely as an aid. It is not a substitute for you having to pay attention to your surroundings. The responsibility for safe manoeuvring, parking and exiting parking spaces remains with you. Ensure that no persons, animals or objects etc. are in the vehicle's path.

A RISK OF COLLISION MAY ARISE IN THE FOLLOWING SITUATIONS, FOR EXAMPLE:

- If the driver mixes up the accelerator and brake pedals.
- If an incorrect transmission position is engaged.

THE DRIVE AWAY ASSIST FUNCTION IS ACTIVE UNDER THE FOLLOWING CONDITIONS:

- If Parking Assist PARKTRONIC is activated.
- If you shift the transmission position to **R** or **D** when the vehicle is at a standstill.
- If the detected obstacle is less than approx. 1.0 m away.
- Manoeuvring assistant is activated (→ page 429).

SYSTEM LIMITS

The performance of Drive Away Assist is limited on uphill gradients.

- ⓘ Observe also the system limits of Parking Assist PARKTRONIC (→ page 417).

FUNCTION OF CROSS TRAFFIC ALERT

- ⓘ The Cross Traffic Alert function is only available for vehicles with Blind Spot Assist.

The Cross Traffic Alert function can warn drivers of any crossing traffic when reversing and manoeuvring out of a parking space. The radar sensors in the bumper also monitor the area adjacent to the vehicle. If a critical situation is detected, the symbol  appears on the central display, and the vehicle can be braked automatically.

If the radar sensors are obstructed by vehicles or other objects, detection is not possible.

Depending on the respective country, Cross Traffic Alert can be switched off or on in the menu [Manoeuvring assistance](#) (→ page 429).





THE CROSS TRAFFIC ALERT FUNCTION IS ACTIVE UNDER THE FOLLOWING CONDITIONS:

- If the vehicle is reversing at walking pace.
- Manoeuvring assistant is activated (→ page 429).

 Observe also the instructions on Blind Spot Assist (→ page 402).

SYSTEM LIMITS

The Cross Traffic Alert function is not available on uphill gradients.

FUNCTION OF CLOSE-RANGE BRAKING

WARNING

Risk of accident caused by limited detection by the manoeuvring brake function

The manoeuvring brake function cannot always clearly detect people. Other obstacles are not detected by the function.

In these cases, the function may brake unnecessarily or not brake at all.

- ▶ Always pay careful attention to the traffic situation; do not rely on the manoeuvring brake function alone.
- ▶ Be ready to brake.

Close-range braking can prevent collisions with pedestrians when the vehicle is reversing at slow speeds. If the reversing camera detects a person in the vehicle's path, the vehicle can be braked to a standstill.

CLOSE-RANGE BRAKING CAN INTERVENE UNDER THE FOLLOWING CONDITIONS:

- The vehicle is reversing at a speed slower than 10 km/h.
- The camera image is shown on the central display (→ page 416).

Depending on the respective country, close-range braking can be deactivated or activated in the [Manoeuvring assistance](#) menu (→ page 429).

When close-range braking is triggered, the symbol  appears in red in the selected view in the menu [Camera & parking](#).

 If close-range braking is not available, the symbol  appears in grey.

Close-range braking serves solely as an aid. It is not a substitute for you having to pay attention to your surroundings. The responsibility for safe manoeuvring, parking and unparking remains with you at all times. Ensure that no persons, animals or objects etc. are in the vehicle's path.

SYSTEM LIMITS

OBSERVE THE SYSTEM LIMITS OF THE FOLLOWING FUNCTIONS:

- Active Parking Assist (→ page 421)
- 360° camera (→ page 412)
- Reversing camera (→ page 408)

THE CLOSE-RANGE BRAKING FUNCTION IS NOT AVAILABLE IN THE FOLLOWING SITUATIONS:

- on uphill gradients





You can watch an animation on this topic via the following link:

ACTIVATING/DEACTIVATING THE MANOEUVRING ASSISTANT

Multimedia system:

▶  ►► Settings ►► Assistance ►► Parking

 This function is a Digital Extra (→ page 109).

 The Activating/deactivating manoeuvring assistant function is not available in all countries.

- ▶ Select [Manoeuvring assistance](#).
- ▶ Activate or deactivate the desired manoeuvring assistant.





< Vehicle towing instructions

The vehicle is not suitable for the use of tow bar systems that are used for flat towing or dinghy towing, for example. Attaching and using tow bar systems may result in damage to the vehicle. When you are towing a vehicle with tow bar systems, safe driving characteristics cannot be guaranteed for the towing vehicle or the towed vehicle. The vehicle-trailer combination may swerve from side to side.

OBSERVE THE FOLLOWING INFORMATION:

- Permitted towing methods (→ page 648)
- **Plug-in hybrid:** permitted towing methods (→ page 649)
- The notes on towing the vehicle with both axles on the ground (→ page 72)





< Driver display

This interactive PDF works like a website – tap or click a button to jump straight to where you want to go.
You can return here at any time via the navigation bar at the top left.

Notes on the driver display



Overview of status indicators on the driver display



Driver display malfunction



Overview of status indicators on the driver display (Mercedes-AMG vehicles)



Operating the driver display



Driver display menus



Head-up display



Vehicles with a 48 V on-board electrical system



Function of the power meter





< Notes on the driver display

⚠ WARNING

Risk of accident if the driver display malfunctions

If the driver display is inoperative or its functions are restricted, you will not receive information about such issues as other function restrictions, speed, current drive range and the status of the electric parking brake.

This will impair operating safety.

- ▶ Stop the vehicle immediately in accordance with the traffic conditions and switch it off. Do not continue driving.
- ▶ Consult a qualified specialist workshop.
- ▶ Have the vehicle transported rather than towed.

If the operating safety of your vehicle is impaired, park the vehicle immediately and safely. Contact a qualified specialist workshop.

THE DRIVER DISPLAY SHOWS THE FOLLOWING BASIC INFORMATION:

- Speed and engine speed
- Fuel level and coolant temperature
- Indicator and warning lamps

ADDITIONAL FUNCTIONS AVAILABLE INCLUDE THE FOLLOWING:

- Various menus, such as [Assistance](#) and [Navigation](#)

- Status indicators for the driving systems
- Display messages
- Information on speed, [Consumption](#) and [Range](#)
- Power meter level and state of charge of the high-voltage battery
- Indicator and warning lamps

ADDITIONAL NOTES FOR PLUG-IN HYBRID VEHICLES:

- Further indicators on the driver display:
 - Drive system is activated
 - "Foot off the accelerator"

Some menu content and settings can be changed (→ page 437).



< Driver display malfunction

⚠ WARNING

Risk of accident if the driver display malfunctions
if the driver display is inoperative or its functions are restricted, you will not receive information about such issues as other function restrictions, speed, current drive range and the status of the electric parking brake.

This will impair operating safety.

- ▶ Stop the vehicle immediately in accordance with the traffic conditions and switch it off. Do not continue driving.
- ▶ Consult a qualified specialist workshop.
- ▶ Have the vehicle transported rather than towed.

Identifying a driver display malfunction

A DRIVER DISPLAY MALFUNCTION CAN BE IDENTIFIED BY CHARACTERISTICS SUCH AS THE FOLLOWING:

- When the vehicle is switched on, the driver display continues to show nothing but a black screen.
- The driver display restarts.
- The content freezes.
- The display stops showing data such as speed. Various indicator and warning lamps are also displayed.

What to do in the event of a driver display malfunction

If the driver display is inoperative or its functions are restricted, stop the vehicle immediately in accordance with the traffic conditions and switch it off. The following procedure is recommended in this eventuality:

- ▶ Stop the vehicle in accordance with the traffic conditions.
- ▶ While the vehicle is stationary, continue to hold the brake pedal down.
- ▶ Press the **P** button on the DIRECT SELECT lever.
- ▶ Apply the parking brake.
- ▶ Slowly release the brake pedal and make sure that the vehicle is secured against rolling away.
- ▶ Press and hold the start/stop button (→ page 357) once for roughly three seconds to switch off the drive system.
- ▶ Contact a qualified specialist workshop immediately.
- ▶ Have the vehicle transported rather than towed.

- i** In addition, note the additional information about switching off the vehicle (→ page 357) and the notes on transporting the vehicle (→ page 652).





< Operating the driver display

⚠ WARNING

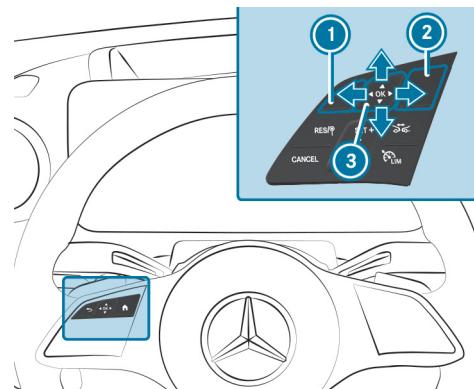
Risk of distraction from information systems and communications equipment

If you operate information systems and communication devices integrated in the vehicle when driving, you could be distracted from the traffic situation. This could also cause you to lose control of the vehicle.

- ▶ Only operate this equipment when the traffic situation permits.
- ▶ If you cannot be sure of this, stop the vehicle whilst paying attention to road and traffic conditions and operate the equipment with the vehicle stationary.

Observe the legal requirements for the country in which you are currently driving when operating the driver display.

SCROLLING ON THE MENU BAR



- ① Back button
- ② Main menu button
- ③ Touch Control

The controls on the left of the steering wheel manage the content of the driver display. Swipe with your finger on Touch Control ③ to navigate vertically or horizontally through the content. Press the Touch Control to confirm your selection.

- ⓘ Use the tip of your thumb to operate Touch Control ③ in the most effective way. Set the sensitivity of the Touch Control on the media display (→ page 475).



- ▶ Briefly press main menu button ②.
- ▶ Select a menu by swiping to the left or right on Touch Control ③.
- ▶ **To confirm:** press Touch Control ③.

You can watch an animation on this topic via the following link:





< Driver display menus

Notes on menus on the driver display

WARNING

Risk of distraction from information systems and communications equipment

If you operate information systems and communication devices integrated in the vehicle when driving, you could be distracted from the traffic situation. This could also cause you to lose control of the vehicle.

- ▶ Only operate this equipment when the traffic situation permits.
- ▶ If you cannot be sure of this, stop the vehicle whilst paying attention to road and traffic conditions and operate the equipment with the vehicle stationary.

Observe the legal requirements for the country in which you are currently driving when operating the driver display.

THE FOLLOWING MENUS CAN BE CALLED UP VIA THE MENU BAR ON THE DRIVER DISPLAY:

- [Understated](#)
- [Sport](#)
- [Classic](#)
- [Navigation](#)
- [Assistance](#)

- [Service](#)
- [Supersport](#)
- Mercedes-AMG vehicles: [TRACK PACE](#)

On some of the menus, you can choose between different display content in the centre display area.

On most of the menus, you can use [Options](#) to configure further settings for the menu-specific display content.

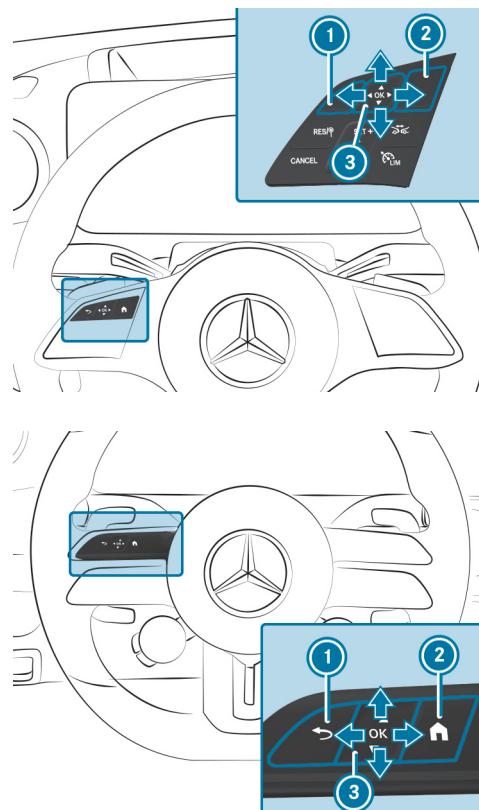
You can watch an animation on this topic via the following link:





Calling up and operating menus on the driver display

CALLING UP A MENU ON THE DRIVER DISPLAY



Mercedes-AMG vehicles

① Back button

② Main menu button

③ Touch Control

- ▶ Press main menu button ② on the steering wheel.

The menu bar will be shown in the lower area of the driver display.



- ▶ Swipe to the left or right on Touch Control ③ and select a menu (e.g. the **Classic** menu) on the menu bar.

- ▶ **To confirm:** press Touch Control ③.

BROWSING THROUGH DISPLAY CONTENT OR LISTS

- ▶ Swipe vertically or horizontally on Touch Control ③.

i On some menus, an index character will be displayed at the right edge of the centre display content to indicate how the information has been sorted.

PRESETTING DISPLAYS

You can preset individually configured information of a menu and thus determine the standard display.

- ▶ Press Touch Control ③ until the bar is completely filled. Answer the **Set direct entry?** query as follows.





- ▶ Swipe to the left on Touch Control ③ and select Yes.
- ▶ **To confirm:** press Touch Control ③.
- ▶ **To call up presets:** press the back button ① on the upper level of a menu.

i Pressing back button ① on the standard display will open the previous menu.

CALLING UP OR EXITING THE OPTIONS SUBMENU

Depending on the information in the centre display content, you can configure various settings on the Options submenu.

- ▶ **To call up the Options submenu and confirm a selection:** press Touch Control ③.
- ▶ **To leave the Options submenu:** press Touch Control ①.

THE FOLLOWING FUNCTIONS MAY BE AVAILABLE ON THE OPTIONS SUB-MENU, FOR EXAMPLE:

- Navigation: selecting and adjusting zoom, route guidance and map settings
- Understated: selecting the colour selection
- Classic: resetting the trip odometer
- Classic: resetting the trip computer [From start](#)
- Classic: resetting the trip computer [From reset](#)
- Classic: resetting the ECO display values

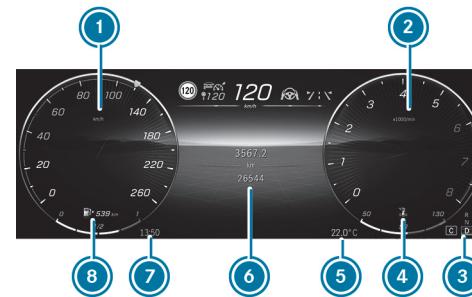
Calling up the Classic or Understated menu

Driver display:



SELECTING THE CENTRE DISPLAY CONTENT

The [Classic](#) menu shows the driver display separated into speedometer and rev counter. The area in between can be filled with various types of information.



- ① Speedometer
- ② Rev counter or clock
- ③ Transmission position
- ④ Coolant temperature display
- ⑤ Outside temperature
- ⑥ Centre display content (example: trip distance)
- ⑦ Time
- ⑧ Fuel level and fuel filler flap location indicator

- ▶ Call up the [Classic](#) menu via the driver display menu bar.





- ▶ **To select display content:** Swipe upwards or downwards on the Touch Control and select the display content.

THE FOLLOWING INFORMATION CAN BE SHOWN IN THE CENTRE DISPLAY CONTENT ⑥:

- Trip and total distance
- Trip computer **From start** and **From reset**
- ECO display
- Consumption
- ATTENTION ASSIST
- Audio
- Navigation



Trip computer (example)

- ① Proportion of driving done in electric mode (distance travelled under electric power per total distance travelled)

INFORMATION ABOUT RANGE

- The actual range achieved may differ from the range displayed. Your previous driving style will be taken into account when the range is being calculated.
- Factors such as outside temperature or climate control settings have a direct influence on the achievable range.

- While the navigation system or commuter route is active, additional information about the route ahead may be included in the range calculation.

INFORMATION ON ELECTRIC ENERGY CONSUMPTION

- The **From start** and **From reset** consumption figures take into account all active consumer equipment when it comes to the drive system's operational readiness **READY**.

INFORMATION ON THE PROPORTION OF DRIVING DONE IN ELECTRIC MODE

- When the proportion of driving in electric mode is determined, only distances driven under the following conditions will be taken into account:
 - The combustion engine is switched off.
 - The Electric or Hybrid drive program is active.
 - The high-voltage battery is charged.

Distances travelled under electric power in the Battery Level drive program or with an empty high-voltage battery will not be taken into account in the distance covered in electric mode.

- i** To increase the distance covered in electric mode, charge the high-voltage battery as frequently as possible at a suitable charging facility.

SELECTING THE RADIO STATION OR TRACK ON THE STATION OR TRACK LIST

You can change radio stations or tracks on the station or track list in the centre display content with audio information.



THE FOLLOWING WILL BE ADJUSTED IN THE MBUX MULTIMEDIA SYSTEM:

- Configuring the station or track list
- Switching between media sources
- Setting the frequency band



① Track list in the centre display content (example)

► **To change radio stations or tracks:** swipe left or right on the Touch Control and select a radio station or track on the station or track list ①.

i If you do not select something immediately after opening the station or track list ①, the view will return to the radio station or track selected.

i The radio station or track displayed when the vehicle is restarted depends on the user profile used for the previous trip.

CHANGING COLOUR SETTINGS ON THE UNDERSTATED MENU

- Call up the [Understated](#) menu via the driver display menu bar.
- To call up the colour list:** press the Touch Control.
The colour list on the [Understated](#) menu will be displayed.
- To select colour settings:** swipe upwards or downwards on the left-hand Touch Control and select the desired colour setting.

i If you do not select anything within a limited time after opening the colour list, the view will switch back to the default view of the [Understated](#) menu.

► **To exit the colour list:** press the back button .

i Depending on the equipment, the selected colour setting will be adopted for the ambient lighting and the MBUX multimedia system. If you select the [Understated](#) menu on the driver display, the content in the MBUX multimedia system will also be made smaller.





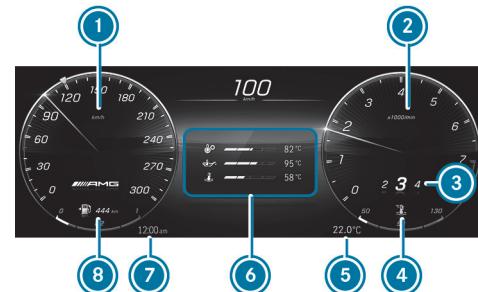
Classic or Understated menu (Mercedes-AMG vehicles)

Driver display:



SELECTING THE CENTRE DISPLAY CONTENT

The **Classic** menu shows the driver display separated into speedometer and rev counter. The area in between can be filled with various types of information.



- ① Speedometer
- ② Rev counter
- ③ Gear display
- ④ Coolant temperature display
- ⑤ Outside temperature
- ⑥ Centre display content on the **Classic** menu (example: temperature)
- ⑦ Time
- ⑧ Fuel level and fuel filler flap location indicator
- ▶ Call up the **Classic** menu via the driver display menu bar.

- ▶ **To select display content:** swipe upwards or downwards on the left-hand Touch Control and select the display content.

THE FOLLOWING INFORMATION CAN BE SHOWN IN THE CENTRE DISPLAY CONTENT:

- Trip and total distance
- Trip computer [From start](#) and [From reset](#)
- ECO display
- [Consumption](#)
- ATTENTION ASSIST
- [Audio](#)
- [Navigation](#)
- [Temperature](#) (transmission oil, engine oil and coolant)
- Setup
- Engine data

i Depending on the equipment, AMG-specific content regarding temperature, set-up and engine data will be displayed. You can configure the set-up display content either using the buttons on the multifunction steering wheel or via the MBUX multimedia system (→ page 316).

SELECTING THE RADIO STATION OR TRACK ON THE STATION OR TRACK LIST

You can choose radio stations or tracks on the station or track list in the centre display content with audio information.

THE FOLLOWING WILL BE ADJUSTED IN THE MBUX MULTIMEDIA SYSTEM:

- Configuring the station or track list





- Switching between media sources
- Setting the frequency band



① Track list in the centre display content (example)

- **To change radio stations or tracks:** swipe left or right on the Touch Control and select a radio station or track on the station or track list ①.

① If you do not select something immediately after opening the station or track list ①, the view will return to the radio station or track selected.

① The radio station or track displayed when the vehicle is restarted depends on the user profile used for the previous trip.

CHANGING COLOUR SETTINGS ON THE UNDERSTATED MENU

- Call up the [Understated](#) menu via the driver display menu bar.
- **To call up the colour list:** press the Touch Control.
The colour list on the [Understated](#) menu will be displayed.
- **To select colour settings:** swipe upwards or downwards on the left-hand Touch Control and select a colour setting.

① If you do not select something immediately after opening the colour list, the view will switch back to the default view for the [Understated](#) menu.

- **To exit the colour list:** press the back button .

① Depending on the equipment, the selected colour setting will be adopted for the ambient lighting and the MBUX multimedia system. If you select the [Understated](#) menu on the driver display, the content in the MBUX multimedia system will also be made smaller.

Calling up the Service menu

Driver display:



The current status of the vehicle is shown on the [Service](#) menu.

- **To call up the menu:** press the Touch Control.
- **To select:** swipe upwards or downwards on the Touch Control and select the display content [Service](#).

THE FOLLOWING DISPLAY CONTENT IS AVAILABLE IN THE [SERVICE](#) MENU (EQUIPMENT-DEPENDENT):

- Information about how many messages are in the message memory
- [AdBlue](#): AdBlue® range and fill level
- [Tyre pressure](#):
 - Restarting the tyre pressure loss warning system (→ page 667)





- Checking the tyre pressure with the tyre pressure monitor (→ page 666)
- Restarting the tyre pressure monitor (→ page 666)
- **ASSYST PLUS:** calling up the service due date (→ page 604)
- **Engine oil level:** checking the engine oil level (→ page 44)
- Coolant indicator
- **Mercedes-AMG vehicles:** temperature display (transmission oil, engine oil and coolant)

THE FOLLOWING FUNCTIONS ARE AVAILABLE ON THE [OPTIONS](#) SUBMENU:

- Tyre pressure (→ page 666)
- Message memory (→ page 769)

Calling up the Assistance menu

Driver display:



The Assistance menu displays various driver assistance systems and navigation instructions.

- ▶ **To call up the menu:** press the Touch Control.
- ▶ **To select:** swipe upwards or downwards on the Touch Control and select the display content [Assistance](#).
- ▶ Press the Touch Control.



Active Distance Assist DISTRONIC indicator on the assistant display (example)

IN VEHICLES WITH THE DRIVING ASSISTANCE PACKAGE, THE FOLLOWING DISPLAYS MAY VARY DEPENDING ON THE DRIVING SITUATION:

- The navigation instructions in the left-hand display section
- The traffic light view in the right-hand display section
- The display of the driver assistance systems
- The level of detail on the assistant display

In vehicles without the Driving Assistance Package, your lane and the vehicle in front will be displayed.

THE FOLLOWING STATUS DISPLAYS ARE AVAILABLE ON THE ASSISTANT DISPLAY:

- Green: pedestrian detection active
- Grey: pedestrian detection enabled, but no person detected
- Green radar waves next to vehicle: Blind Spot Assist is enabled and ready for operation
- Grey radar waves next to vehicle: Blind Spot Assist is enabled but not ready for operation





THE CONTENT ON THE ASSISTANT DISPLAY WILL ADAPT TO THE FOLLOWING SITUATIONS:

- Number of lanes detected
- Change of direction, e.g. lane change
- Current road conditions
- Road users detected

i The assistant display will not show other detected obstacles with the exception of road users.

THE FOLLOWING FUNCTIONS ARE AVAILABLE ON THE OPTIONS SUBMENU:

- Starting route guidance
- With active route guidance: end route guidance
- Call up previous destinations and favourites
- Start new route guidance to a recent destination
- Start new route guidance to a favourite

Calling up the Sport menu

Driver display:



The **Sport** menu provides information about the engine data of the vehicle.

i When you call up the **Sport** menu on the menu bar of the driver display, the menu colour setting will automatically be applied to the MBUX multimedia system.

► **To call up the menu:** press the Touch Control.



- ① Current torque
- ② G-meter
- ③ Current power output
- ④ Boost pressure
- ⑤ Engine oil temperature
- ⑥ engine speed

Sport menu (Mercedes-AMG vehicles)

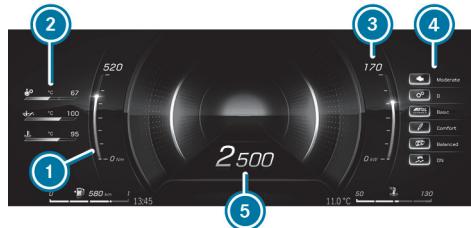
Driver display:



The **Sport** menu displays information about the engine data, the setup and the temperature of the vehicle.

► **To call up the menu:** swipe to the left or right on the Touch Control.





- ① Current torque
- ② Temperature (transmission oil temperature, engine oil temperature, coolant temperature)
- ③ Current power output
- ④ Setup (drive position, transmission position, AMG DYNAMICS, suspension tuning, exhaust system, ESP[®])
- ⑤ engine speed

i Depending on the equipment, AMG-specific content regarding temperature, setup and engine data will be displayed. You can set the setup display content using the buttons on the multi-function steering wheel or via the MBUX multimedia system (→ page 316). You can also activate or deactivate ESP[®] using the steering-wheel button or via the MBUX multimedia system.

Calling up the Sport menu (plug-in hybrid vehicles)

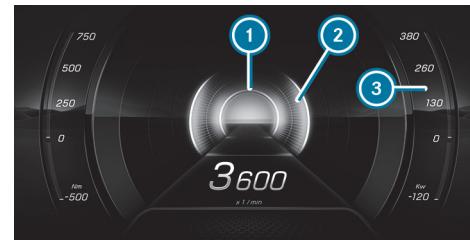
Driver display:



The **Sport** menu provides additional information about the operating energy as well as the recuperated power of the vehicle.

i When you call up the **Sport** menu on the menu bar of the driver display, the menu colour setting will automatically be applied to the MBUX multimedia system.

► **To call up the menu:** press the Touch Control.



- ① Display area for recuperated power (recuperation)
- ② Display area for output
- ③ Additional display area for output

Calling up the Supersport menu

Requirements:

- For Mercedes-AMG vehicles only.

Driver display:



► **To select display content:** swipe upwards or downwards on the Touch Control.





- ① Current torque
- ② Centre display content (example: setup)
- ③ Current power output

i The displays for current torque ① and current power ③ vary depending on the display content in the centre display area.

THE CENTRE DISPLAY CONTENT SHOWS THE FOLLOWING INFORMATION:

- Gear display
- Temperature display (transmission oil, engine oil, coolant)
- Engine data
- Setup
- G-force
- Trip and total distance
- Distance **From start** and **From reset**
- Consumption
- Audio
- Navigation

i Depending on the equipment, AMG-specific content regarding temperature, setup and engine data will be displayed. You can

set the setup display content using the buttons on the multi-function steering wheel or via the MBUX multimedia system (→ page 316).

Calling up the Track Pace menu

Requirements:

- For Mercedes-AMG vehicles only.

Driver display:



The Track Pace function is intended only for closed race tracks. Do not use this function on public roads, and adapt your driving style to your personal capabilities and the ambient conditions.

THE FOLLOWING OPTIONS WILL BE DISPLAYED ON THE **TRACK PACE** MENU:

- G-meter
- Race track selected
- Braking and acceleration procedure
- Gear currently selected





Indicators on the Track Pace menu (example)

- ① G-meter
 - ② Centre display content (example: gear display)
 - ③ Telemetry display (example: selected race track)
- **To call up the menu:** press the Touch Control.

THE CONTENT OF THE TRACK PACE MENU WILL ADAPT TO THE SELECTED SETTINGS ON THE CENTRAL DISPLAY:

- Gear display
- Braking points
- Acceleration
- Quarter-miles
- Race track selected on the central display
- Current race
- Record route

While the vehicle is in motion, the G-meter will show the forces that are exerted on the vehicle occupants both laterally and in the direction of travel. The maximum values will be shown in red in the coordinate system.

Calling up the Navigation menu

Driver display:



The **Navigation** menu shows the relevant map with navigation instructions.

- **To call up the menu:** press the Touch Control.

CHANGING THE SCALE OF THE SELECTED MAP VIEW



- ① Distance to the change of direction
- ② Road to which the change of direction leads
- ③ Traffic incident indicator
- ④ Currently selected route
- ⑤ Indicator showing vehicle's current position
- ⑥ Change-of-direction symbol
- ⑦ Recommended lane (white)
- ⑧ Lane not recommended (grey)
- ⑨ Current lane

i The level of detail in the navigation instructions in the left-hand display section may vary.



- **To zoom in and out on the map directly:** swipe upwards or downwards on the Touch Control.

 If you do not operate anything in Autozoom, the system will reset the scale of the map view already selected after a short time. You can set the map scale permanently in the MBUX multimedia system (→ page 544).

THE FOLLOWING FUNCTIONS ARE AVAILABLE ON THE [OPTIONS](#) SUBMENU:

- With active route guidance: end route guidance
- Select route guidance
- [Map settings](#)

 If the current route guidance is ended on the [Navigation](#) menu of the driver display, it will also be ended in the MBUX multimedia system.

On the [Options](#) submenu, you can use other functions in the [Destinations](#) and [Map settings](#) categories.

YOU CAN USE THE FOLLOWING FUNCTIONS IN THE [DESTINATIONS](#) CATEGORY:

- Call up previous destinations and favourites
- Start new route guidance to a favourite

 The two options [Work](#) and [Home](#) will be displayed in [Favourites](#) even if no address is stored.

YOU CAN USE THE FOLLOWING FUNCTIONS IN THE MAP SETTINGS CATEGORY:

- Activate auto zoom
- Set the map view, satellite view and route overview.

THE FOLLOWING MAP VIEWS ARE AVAILABLE ON THE [NAVIGATION](#) MENU:

- Entire route
- 2D direction of travel
- 2D north-up
- 3D map





< Head-up display

Function of the head-up display

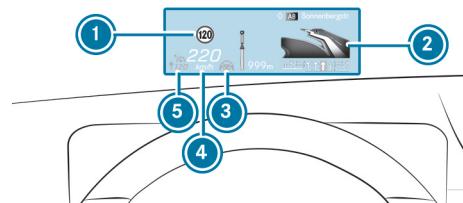
The head-up display projects a variety of content into the driver's field of vision:

YOU CAN USE THE HEAD-UP DISPLAY MENU BAR TO SELECT DIFFERENT CONTEXTS, E.G.:

- **Mercedes-AMG vehicles:** Supersport
- **Mercedes-AMG vehicles:** TRACK PACE
- **Mercedes-AMG vehicles:** RACE START
- **Mercedes-AMG vehicles:** Race
- Minimal
- Sport
- Standard
- Settings
- Head-up display on/off

The following image shows an example of the head-up display. You can choose what content is displayed (→ page 450).

HEAD-UP DISPLAY CONTENT WITH NAVIGATION (6X2°)



- ① Detected instructions and traffic signs
- ② Navigation instructions (distance to the next route event)
- ③ Active Steering Assist status
- ④ Current speed
- ⑤ Set speed in the driving system (e.g. Active Distance Assist DISTRONIC)

SYSTEM LIMITS

VISIBILITY IS INFLUENCED BY THE FOLLOWING CONDITIONS IN PARTICULAR:

- Seat position
- Image position setting
- Light conditions
- Wet road surfaces
- Objects on the display cover
- Polarisation in sunglasses

You can watch an animation on this topic via the following link:



Operating the head-up display

SELECTING DISPLAY CONTENT OF THE HEAD-UP DISPLAY VIA THE MENU BAR OF THE DRIVER DISPLAY

- ▶ Press the main menu button .
- ▶ **To select the menu bar of the head-up display:** swipe upwards on the Touch Control.



SWITCHING BETWEEN DISPLAY CONTENT ON THE HEAD-UP DISPLAY

- ▶ Swipe to the left or right on the Touch Control.
A preview of the selected display content will appear on the head-up display.
- ▶ **To confirm:** press the  button.

SWITCHING BACK TO THE DRIVER DISPLAY

- ▶ Press the  or  button.

SETTING THE POSITION AND BRIGHTNESS

- ▶ Swipe to the left or right on the Touch Control and select [Settings](#) on the menu bar of the head-up display.
- ▶ Press the Touch Control.
The current position and brightness settings will be displayed as graphics on the head-up display as well as on the driver display.

- ▶ **To adjust the position:** swipe upwards or downwards on the Touch Control.
- ▶ **To adjust the brightness:** swipe to the left or right on the Touch Control.
The settings configured for position and brightness will be saved automatically.
- ▶ Press the  or  button to exit the settings.

Switching the head-up display on/off

Driver display:



SWITCHING ON

- ▶ Swipe upwards on the Touch Control.
- ▶ Press Touch Control .

SWITCHING OFF

- ▶ Swipe upwards on the Touch Control.
- ▶ Swipe on the Touch Control and select [Head-up display](#).
- ▶ Press Touch Control .





Switching the head-up display on/off in the multimedia system

Multimedia system:



SWITCHING THE HEAD-UP DISPLAY ON/OFF

- ▶ Select [Head-up display](#).

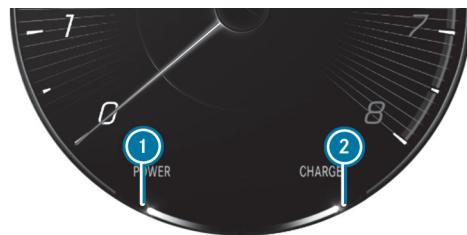
The head-up display is activated or deactivated.





< Vehicles with a 48 V on-board electrical system

- i** Mercedes-AMG vehicles: this function is not available for the A45 models.



- ①** Electric drive support
② Recuperation behaviour of the electric motor

- i** Due to various system limits, the values displayed may temporarily differ slightly from the actual value.





< Function of the power meter



- ① Start of the POWER display range
- ② End of the POWER display range
- ③ Current state of charge of the high-voltage battery
- ④ Maximum recovered energy
- ⑤ Start of the display range of the recovered energy

THE POWER METER HAS THE FOLLOWING FUNCTIONS:

- In electric mode, area ① – ② shows what percentage of the electrical drive is currently being used. The combustion engine is switched on at a percentage of 100%. In boost mode, the electrical power assistance of the drive is displayed.
- The area ④ – ⑤ shows the recuperation and charging behaviour using the combustion engine.

i Due to various system limits, displayed value ④ may temporarily differ slightly from the actual value.



< Overview of status indicators on the driver display

The status indicators for the driving and driving safety systems are shown in areas ① and ④.



- Active Parking Assist is available (→ page 422)
- Active Parking Assist has detected a parking space (→ page 422)
- Parking Assist PARKTRONIC deactivated (→ page 420)
- Cruise control (→ page 377)
- Limiter (→ page 378)
- Active Distance Assist DISTRONIC (→ page 381)
- Specified distance for Active Distance Assist DISTRONIC (→ page 381)

	Active Brake Assist switched off (→ page 397)
	Active Brake Assist impaired or not functioning (→ page 397)
	Active Steering Assist (→ page 389)
	Active Lane Keeping Assist (→ page 403)
	Active Blind Spot Assist (on assistant display only) (→ page 402)
	Blind Spot Assist (on assistant display only) (→ page 402)
	Plug-in hybrid operation activated
	Haptic accelerator pedal (→ page 305, 302)
	ECO start/stop function (→ page 299)
	HOLD function (→ page 373)
	Adaptive Highbeam Assist (→ page 256)
	Adaptive Highbeam Assist Plus (→ page 257)
	Maximum permissible speed exceeded (for certain countries only)
	Slippery road surface warning

Vehicles with Traffic Sign Assist: detected instructions and traffic signs (→ page 398)





Important information from other driving systems may briefly appear in front of the displayed traffic signs.





< Overview of status indicators on the driver display (Mercedes-AMG vehicles)

The status indicators for the driving and driving safety systems are shown in areas ① and ⑥.



- ① The number, position and presentation of the status indicators on the driver display depend on which systems are activated or deactivated.

DEPENDING ON THE EQUIPMENT, MERCEDES-AMG VEHICLES HAVE THE FOLLOWING STATUS DISPLAYS (AMONG OTHERS):

- Active Parking Assist is available (→ page 422)
- Active Parking Assist has detected a parking space (→ page 422)
- Parking Assist PARKTRONIC deactivated (→ page 420)

	Cruise control (→ page 377)
	Limiter (→ page 378)
	Active Distance Assist DISTRONIC (→ page 381)
	Specified distance for Active Distance Assist DISTRONIC (→ page 381)
	Active Brake Assist switched off (→ page 397)
	Active Brake Assist impaired or not functioning (→ page 397)
	Active Steering Assist (→ page 389)
	Active Lane Keeping Assist (→ page 403)
	Active Blind Spot Assist (on assistant display only) (→ page 402)
	ECO start/stop function (→ page 299)
	HOLD function (→ page 373)
	Adaptive Highbeam Assist (→ page 256)
	Adaptive Highbeam Assist Plus (→ page 257)
	Maximum permissible speed exceeded (for certain countries only)
	Slippery road surface warning





Engine operating temperature warning lamp (→ page 294)

Vehicles with Traffic Sign Assist: detected instructions and traffic signs
(→ page 398)

Important information from other driving systems may briefly appear in front
of the displayed traffic signs.



[Back to Contents](#)



< MBUX Voice Assistant

This interactive PDF works like a website – tap or click a button to jump straight to where you want to go.
You can return here at any time via the navigation bar at the top left.

Notes on operating safety



Operation



Using MBUX Voice Assistant effectively



Essential voice commands





< Notes on operating safety

**FOR YOUR OWN SAFETY, ALWAYS OBSERVE THE FOLLOWING POINTS
WHEN OPERATING MOBILE COMMUNICATIONS EQUIPMENT AND ESPECIALLY YOUR VOICE CONTROL SYSTEM:**

- Observe the legal requirements for the country in which you are driving.
- If you use the voice control system in an emergency your voice can change and your telephone call, e.g. an emergency call, can thereby be delayed.
- Familiarise yourself with the voice control system functions before starting the journey.

 **The voice control system does not replace the Owner's Manual.**

The answers from the voice control system do not provide the complete scope of information contained in the Owner's Manual. The voice control system also does not give detailed warning or damage information. Therefore read the Owner's Manual so that you are fully informed about the functions and the safe operation of the vehicle.





< Operation

Function of the MBUX Voice Assistant

You can watch an animation on this topic via the following link:

Using the MBUX Voice Assistant, vehicle functions and various areas of the MBUX multimedia system can be operated by voice input, e.g. Navigation or Telephone. The MBUX Voice Assistant is operational about half a minute after switching on the vehicle and can be operated from all seats (depending on the special equipment).

Conducting a dialogue

Requirements:

- Voice activation is activated in the multimedia system (→ page 461).
- For corrections during output, the **Voice barge-in** option must be activated in the multimedia system (→ page 461).

STARTING A DIALOGUE

- ▶ Say Hey Mercedes to activate the MBUX Voice Assistant.
or
- ▶ Press the  button on the multifunction steering wheel.
A wave appears in the MBUX multimedia system. The dialogue can be started.

For the dialogue with the MBUX Voice Assistant, you can use complete sentences of colloquial language as voice commands. Voice activation can also be combined directly with a voice command, e.g. Hey Mercedes, how warm is it outside?

INTERRUPTING THE DIALOGUE

- ▶ During the dialogue say Pause.
The dialogue is interrupted.
- ▶ Say Hey Mercedes to continue the dialogue.

CORRECTING AN ENTRY

- ▶ During the dialogue say Correction.

or

- ▶ Interrupt the system's voice output.

CHANGING DIALOGUE LEVEL

- ▶ During the dialogue, say Back.
The MBUX Voice Assistant jumps back to the previous dialogue step.
- ▶ During the dialogue, say From the beginning again.
The MBUX Voice Assistant jumps to the highest dialogue level.

NAVIGATING IN THE SELECTION LIST

If a voice command does not achieve a clear result, a selection list is shown.





- ▶ Say the line number or the content to select an entry or to have further details shown.
- ▶ Say Next page or Previous page to browse the selection list.

CALLING UP HELP

- ▶ **For information about the MBUX voice assistant:** say Hey Mercedes, what can you do? .
- ▶ **Current application:** say Help.
You will receive suggestions and information about operation of MBUX Voice Assistant for the current application.
- ▶ **Specific function:** call up the voice command for the required function, for example with Hey Mercedes, I need help with the radio.
- ▶ **Digital Owner's Manual:** say Show me the Owner's Manual.

The full extent of the Digital Owner's Manual is available on the media display when the vehicle is stationary.

Overview of the operable functions of the MBUX Voice Assistant

YOU CAN USE THE MBUX VOICE ASSISTANT TO OPERATE THE FOLLOWING FUNCTIONS DEPENDING ON THE VEHICLE EQUIPMENT:

- Telephone
- Text message and e-mail
- Navigation
- Radio and media
- Vehicle functions
- Online functions

Full functionality of the voice control system is only available for you with activation of online voice control (→ page 461).

Information on the language setting

You can change the language of the MBUX Voice Assistant via the system language settings (→ page 498). If the set system language is not supported by the MBUX Voice Assistant, English will be selected.

Setting functions of MBUX Voice Assistant using the multimedia system

Multimedia system:

SWITCHING VOICE ACTIVATION OF MBUX VOICE ASSISTANT ON OR OFF

- ▶ Select .
- When the function is active, the Hey Mercedes voice command can activate the dialogue.

SWITCHING DIRECT COMMANDS ON OR OFF

- ▶ Select .
- ▶ Activate or deactivate the function.
If the function is active, some commands can be used without Hey Mercedes, for example Next track.

SWITCHING VOICE ACTIVATION FOR INDIVIDUAL SEATS ON OR OFF

- ▶ Select .
- ▶ Switch the function for the desired seats on or off.



SWITCHING VOICE INTERRUPTION ON OR OFF

- ▶ Select [Further settings](#).
- ▶ Select [Voice barge-in](#).

If the function is active, a command can be interjected during voice output of the system.

SWITCHING PROACTIVITY ON OR OFF

- ▶ Select [Further settings](#).
- ▶ Select the desired situation, e.g. [Activate your profile](#) or [Don't forget your phone](#).

When the function is active, the voice assistant proactively provides information in specific situations.

ACTIVATING OR DEACTIVATING ONLINE VOICE CONTROL

 Online voice control is activated at the factory.

- ▶ Select [Online recognition](#).
- ▶ Activate or deactivate the function.

If the function is activated and a Mercedes me user account is linked to the vehicle, additional results are available through the provision of external information, e.g. information on POIs. By clicking the symbol in the wave, more information about the online voice control can be displayed.

ACTIVATING OR DEACTIVATING CONTACTS FOR ONLINE USE

- ▶ Select [Contact upload for online recognition](#).
- When the function is active, contacts will be found more easily and accurately using voice input.





< Using MBUX Voice Assistant effectively

Notes on optimum use of the MBUX Voice Assistant

- The MBUX Voice Assistant is operational half a minute after switching on the vehicle and can be operated from all seats, depending on the equipment installed. The system recognises from which seat the command was spoken and performs actions according to the seat position.
- When a dialogue is ended, the MBUX Voice Assistant continues to be active for as long as the wave is displayed in the multimedia system. You can say another voice command without saying Hey Mercedes.
- Using the direct command *Change language to English*, the system language can be changed to English without Hey Mercedes. Direct commands must be activated for this.
- If a user profile has been stored and is active, the MBUX Voice Assistant can make suggestions based on the habits of the user. If the voice commands are not clear, the system selects an action. The action can be corrected with a new voice command.

Say Hey Mercedes, load my personal profile, to activate the profile. The user's voice must first be taught in by the system and assigned to a profile.

Further information on user profiles (→ page 483).

- With the MBUX Voice Assistant, incoming calls can be accepted or rejected without the keyword Hey Mercedes.

Information on the MBUX online voice assistant

The online voice control facilitates recognition and thanks to external information makes additional results available.

Therefore, Mercedes-Benz recommends that you activate online voice control (→ page 461).

You will need a Mercedes me user account for this. If you do not yet have a user account you must create one and connect it with your vehicle (→ page 482).

Then call up your Mercedes me user account. The Mercedes me services are shown and can be activated (→ page 485).

By clicking on the symbols displayed in the wave, further information on the online status is displayed.

WHEN ONLINE VOICE CONTROL IS ACTIVE, ADDITIONAL FUNCTIONS ARE AVAILABLE SUCH AS:

- Weather
- General knowledge
- Public holidays and school holidays
- Smarthome
- Messages
- Time, date and time zones





- Pocket and currency calculator
- Football results and fixture lists
- Share prices
- Calendar
- ChitChat
- Horoscope
- Geo Quiz

i The availability of these functions is country and equipment-dependent.

i Text content is taken from Wikipedia in accordance with the CC BY-SA 3.0 licence.





< Essential voice commands

Notes on voice commands

You can watch an animation on this topic via the following link:

It is not necessary to use exact voice commands to call up a specific function. The MBUX Voice Assistant also understands you when you use your colloquial speech. Some examples are listed below. For some languages however these examples are only available to a limited extent.

EXAMPLES OF VOICE COMMANDS:

- Navigation (→ page 465)
- Telephone (→ page 465)
- Radio and TV (→ page 466)
- Media player (→ page 466)
- Messages (→ page 466)
- Vehicle functions (→ page 466)
- Online functions (→ page 467)

Examples of navigation voice commands

You can operate the navigation system using the MBUX Voice Assistant. The following list offers just a small selection of the possible navigation commands. You will receive additional suggestions if you say Help for navigation.

- Drive me home.

- Where is the nearest service station?
- Is there a service area along the route?
- Set Covent Garden as intermediate destination.
- Cancel the route guidance.
- Show my last destination.
- I want to buy juice.
- Search for an Asian restaurant, but not Japanese, in South London.

Examples of telephone voice commands

You can operate phones connected with the MBUX multimedia system using the MBUX Voice Assistant. The following list offers just a small selection of the possible telephone commands. You will receive additional suggestions if you say Help for phone.

- Call Peter Miller on the mobile phone.
- Dial 0711 17 0.
- Call my father.
- Accept call
- Reject call
- Search for the contact Peter Miller.
- Switch to address book
- Show me the incoming calls.
- Switch phone





Examples of radio and TV voice commands

Depending on the vehicle equipment, you can operate the radio and TV using the MBUX Voice Assistant. The following list offers just a small selection of the possible radio or TV voice commands. You will receive additional suggestions if you say Help for radio or Help for TV.

- Play the radio station Heart FM.
- Next station.
- Previous station.
- Show me the list of radio stations
- Save the station
- What am I listening to?

Examples of media voice commands

You can operate connected media sources and online music using the MBUX Voice Assistant. The following list offers just a small selection of the possible media voice commands. You will receive additional suggestions if you say Help for media or Help for player.

- Play Michael Jackson.
- Play "Yellow Submarine" by the Beatles.
- Next track.
- Previous track.
- Play similar track.
- Repeat this track.
- Switch on random playback.
- Mute the music.
- Switch to USB.

Examples of message voice commands

Messages can be created, edited and listened to using the MBUX Voice Assistant. The following list offers just a small selection of the possible message voice commands. You will receive additional suggestions if you say Help for messaging.

- Write a text message to Jane Doe: When will the next meeting take place?
- Show me my new e-mails.
- Write an e-mail to Jane Doe.
- Read me my new text messages.
- Show all new text messages.
- Write an e-mail to John Doe in English

Examples of vehicle voice commands

You can operate vehicle settings and vehicle functions using the MBUX Voice Assistant. The following list offers just a small selection of the possible vehicle voice commands.

 If no seat is mentioned for commands, the action is carried out automatically for the seat from which the command was spoken or for the function which is closest to that seat.

- Switch the seat heating to level 2.
- My feet are cold.
- Start the Refresh programme.
- Switch the massage function on.
- I would like to set the ambient light to blue
- Switch on the reading lamp.





- Turn off the rear light.
- Open all the windows.
- How fast can I drive here?
- Tell me my next service appointment
- How warm is it outside?

INFORMATION ABOUT THE VEHICLE CAN ALSO BE REQUESTED:

- Information about individual items of the vehicle equipment
 - Hey Mercedes, which massage programmes do you have?
 - Hey Mercedes, do I have Blind Spot Assist?
 - Hey Mercedes, where is the warning triangle?
- Information about functioning of the systems and components installed in the vehicle
 - Hey Mercedes, what is DISTRONIC?
 - Hey Mercedes, what do I need ESP for?
 - Hey Mercedes, what is MBUX?
- Information about operating the systems and components installed in the vehicle
 - Hey Mercedes, how do I connect my smartphone?
 - Hey Mercedes, how can I turn on the main beam headlamps?
 - Hey Mercedes, how do I stop the ionization function?

You can also use the vehicle voice commands to directly call up the menus for the plug-in hybrid settings and operate the corresponding vehicle functions.

- "Display the energy flow."
- "Switch to charging settings."
- "Activate pre-entry climate control."
- "Where is the nearest charging station?"

- "How far can I still drive?"
- "Set the departure time to tomorrow morning at 8 am."

Examples of online functions

Depending on the country, language and vehicle equipment, additional functions are available when online voice control is active. The system accesses external information and can, as a result, answer general knowledge questions and make calculations, for example.

- Is the sun shining in Manchester?
- Is it raining at my destination?
- What are the skiing conditions on the Zugspitze?
- What's the time in Sydney now?
- In which country do you pay with dollars?
- How many Swiss francs make 25 euros?
- How long now until the holidays?
- What day is it tomorrow?
- What is 20 % of 29?
- What does my horoscope say?
- What is the price of Mercedes-Benz Group shares?
- Let's play Geo Quiz.
- I'm bored.
- Who is the current prime minister?
- What do you know about the Globe Theatre in London?
- Who painted the picture "The Scream"?
- What's the status in the Premier League?
- Create a calendar entry tomorrow at 9 am.
- What's my next task?





- Tell me a joke.
 - How many languages do you speak?
 - What is your favourite animal?
 - Are there any updates?
 - Is the light still on in the kitchen?
 - Switch off all the devices in my house.
 - Please set the temperature in the living room to 24 degrees.
-
- Show all routes
 - Show traffic
 - Navigate to work
 - Navigate home
 - Repeat driving instruction
 - Cancelling route guidance
 - Change language to English

Direct command examples

With direct commands, some functions can be operated without first saying the voice command Hey Mercedes. To use direct commands, the function must be activated in the multimedia system (→ page 461).

- Next TV channel
- Previous TV channel
- Next radio station
- Previous radio station
- Next station
- Previous station
- Next track
- Previous track
- Start dashcam recording
- Stop dashcam recording
- Show the map
- 3D map
- 2D map
- Align map to north
- Align map in direction of travel





< MBUX multimedia system

This interactive PDF works like a website – tap or click a button to jump straight to where you want to go.
You can return here at any time via the navigation bar at the top left.

Overview and operation >

Online and Internet functions >

System settings >

Media >

AMG TRACK PACE >

Radio >

Plug-in hybrid settings >

Sound >

Fit & Healthy >

Navigation and traffic >

Telephone >



< Overview and operation

Overview of the MBUX multimedia system (Mercedes-AMG vehicles)

WARNING

Risk of distraction from information systems and communications equipment

If you operate information systems and communication devices integrated in the vehicle when driving, you could be distracted from the traffic situation. This could also cause you to lose control of the vehicle.

- ▶ Only operate this equipment when the traffic situation permits.
- ▶ If you cannot be sure of this, stop the vehicle whilst paying attention to road and traffic conditions and operate the equipment with the vehicle stationary.

You must observe the legal requirements for the country in which you are currently driving when operating the multimedia system.



NOTE

Increased surface temperature due to direct sunlight on the central display

The surface of the central display is very dark.

If the display is exposed to direct sunlight, the surface can become very hot.

- ▶ If the central display has been exposed to direct sunlight, allow it to cool down before touching it for a long time.



THE FUNCTIONS OF YOUR MBUX MULTIMEDIA SYSTEM MAY DIFFER AND DEPEND ON THE FOLLOWING FACTORS:

- Market
- National version
- Technical conditions

Functions, services and service aspects provided by Mercedes-Benz and/or third-party providers may no longer be available when the contractual period expires or due to technical conditions. There is therefore no entitlement to the continuous provision of functions and services.

The described functions may be modified, optimised and adapted after the time of going to press.

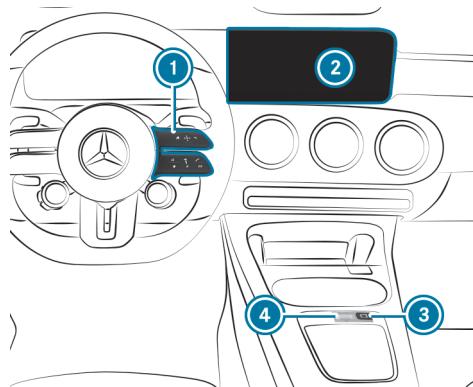




MERCEDES-BENZ THEREFORE RESERVES THE RIGHT TO INTRODUCE CHANGES IN THE FOLLOWING AREAS:

- Features
- Services
- Service aspects

For these reasons, descriptions and depictions relating to the MBUX multimedia system may, in some cases, differ for your vehicle.



- ① Touch Control and control panel for the MBUX multimedia system
MBUX stands for Mercedes-Benz User Experience.
- Operating Touch Control (→ page 474)
- ② Media display with touch functionality
- Home screen overview (→ page 474)
 - Operating the touchscreen (→ page 475)
- ③ Active Parking Assist (→ page 422)
- ④ Controller

Press and hold: switches the MBUX multimedia system or media display on or off

Press briefly: switches the mute function on/off

Turn: adjusts the volume

⑤ Alternatively, the MBUX Voice Assistant allows voice dialogue. Operation with natural speech starts after the wake-up call "Hey Mercedes" (→ page 460). You can start a voice navigation, for example, with the input of a three-word address from what3words.

⑥ If the vehicle is fitted with the MBUX Interior Assistant, selected functions of the multimedia system can be operated contact-free. In addition, the reading light or search light can be switched on or off contact-free.

Numerous application, online services, services and apps are available for you. These can be called up via the home screen.

You can conveniently call up your favourites using the button on the steering wheel. Quick-access in the home screen and in the applications serve to select functions more quickly.

If you use the learning function of the multimedia system, you will receive suggestions during operation of the most probable navigation destinations, media sources, radio stations and contacts. The configuration of the suggestions is completed in the system settings. You can compile your user profile from various vehicle settings and settings of the multimedia system. Some functions and services are protected by a PIN. You can teach in biometric procedures to identify yourself with these instead of the four-digit Mercedes me PIN.





The Notifications Centre collects incoming notifications, e.g. about an available software update. Depending on the type of notification it offers various actions. The call is made via the Control Centre.

With the global search, you can search on the home screen via categories, e.g. in the navigation, and on the Internet.

ANTI-THEFT PROTECTION

This device is equipped with technical provisions to protect it against theft. More detailed information about anti-theft protection can be obtained at a qualified specialist workshop.

Overview of the MBUX multimedia system

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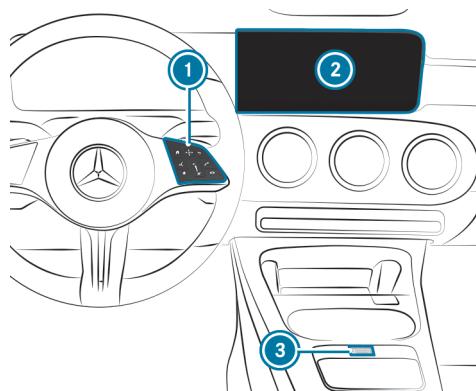
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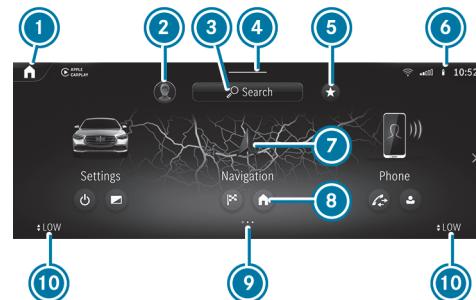


ANTI-THEFT PROTECTION

This device is equipped with technical provisions to protect it against theft. More detailed information about anti-theft protection can be obtained at a qualified specialist workshop.

You can watch an animation on this topic via the following link:

Home screen overview



- ① On the home screen: displays the first three applications
In other displays: calls up the home screen
- ② Calls up user profile settings and switches user
- ③ Using the global search
- ④ Calls up the Control Centre: pull the bar down
- ⑤ Calls up favourites
- ⑥ Displays in the status line
- ⑦ Calls up applications
- ⑧ Quick-access to application
- ⑨ Index points for selected display area
- ⑩ Calling up the air-conditioning menu

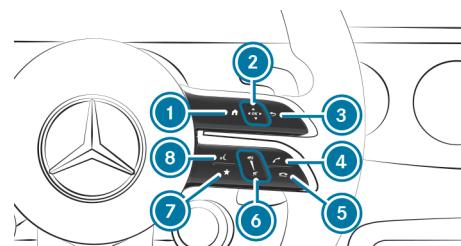
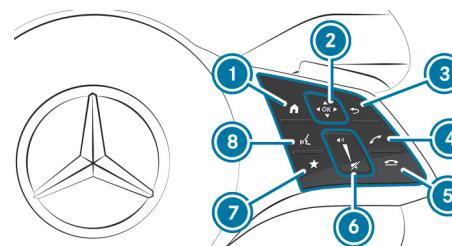
THE FOLLOWING FUNCTIONS ARE CALLED UP IN THE CONTROL CENTRE:

- Notifications Centre
- Favourites
- Vehicle quick-access

In the image, the applications are arranged as a carousel. Pressing and holding on arranges the applications in a grid. This view is also used by a smartphone, for example.

Touch Control

OPERATING TOUCH CONTROL (MBUX MULTIMEDIA SYSTEM)



Mercedes-AMG vehicles

- ① Shows the home screen
- ② Touch Control





- Swipe in the direction of the arrow (navigate)
- Press (confirm)
- ③ Returns to the previous display
- ④ Makes or accepts a call
- ⑤ Rejects or ends a call
- ⑥ To increase volume: swipe upwards
To reduce volume: swipe down
- ⑦ To switch off the sound: press
- ⑧ Calls up favourites
- ⑨ Starts the MBUX Voice Assistant

To operate Touch Control ② in the most effective way, use the tip of your thumb if possible.

You can navigate through menus and lists via the touch-sensitive surface of Touch Control ② using **a single-finger swipe**, e.g.:

- ▶ **To enter a character:** select a character using the keyboard and press on Touch Control ②.
- ▶ **To select a menu option:** scroll in a list and press Touch Control ②.
- ▶ **To move the digital map:** swipe in any direction.

SETTING THE SENSITIVITY FOR TOUCH CONTROL

Multimedia system:

- Settings ► System ► Control elements
- Touch Control sensitivity
- ▶ Select **Fast**, **Medium** or **Slow**.

SETTING ACOUSTIC OPERATIONAL FEEDBACK FOR ALL CONTROL ELEMENTS

Multimedia system:

- Settings ► System ► Control elements
- Acoustic feedback

The function is supported by the selection in a list.

- ▶ Set **Off**, **Unleaded** or **Loud**.
If the function is activated you will hear a clicking sound when selecting control elements or when scrolling in a list. When the beginning or end of the list is reached you will hear another clicking sound.

Touchscreen

OPERATING THE TOUCHSCREEN

TAPPING

- ▶ **To select a menu item or entry:** tap on a symbol or an entry.
- ▶ **To increase the map scale:** tap twice quickly with one finger.
- ▶ **To reduce the map scale:** tap with two fingers.
- ▶ **To enter characters with the keypad:** tap on a button.

SINGLE-FINGER SWIPE

- ▶ **To navigate in menus:** swipe up, down, left or right.
- ▶ **To move the digital map:** swipe in any direction.
- ▶ **To use handwriting to enter characters:** write the character with one finger on the touchscreen.



TWO-FINGER SWIPE

- ▶ **To zoom in and out of the map:** move two fingers together or apart.
- ▶ **To enlarge or reduce the size of a section of a website:** move two fingers together or apart.
- ▶ **To turn the map:** turn anti-clockwise or clockwise using two fingers.

THREE-FINGER SWIPE

- ▶ **To call up the home screen:** swipe up with three fingers in an application.

TOUCHING, HOLDING AND MOVING

- ▶ **To move the map:** touch the touchscreen and move your finger in any direction.
- ▶ **To set the volume on a scale:** touch the touchscreen and move your finger to the left or right.

TOUCHING AND HOLDING

- ▶ **To save the destination in the map:** touch the touchscreen and hold until a message is shown.
- ▶ **To call up a global menu in the applications:** touch the touchscreen and hold until the **Options** menu appears.

Overview of the lower control panel in the centre console



- ① Turn: adjusts the volume
Press: switches sound on or off
- ② Fingerprint sensor





MBUX Interior Assistant

NOTES ON LASERS AND LASER CLASSIFICATION

WARNING

Risk of injury from the camera's laser radiation

This product uses a classification 1 laser system. If the housing is opened or damaged, laser radiation may damage your retina.

- ▶ Do not open the housing.
- ▶ Always have maintenance work and repairs carried out by a qualified specialist workshop.

This product complies with the requirements of the FDA 21 CFR 1040.10 and 1040.11 with exception of the variations according to the FDA Laser Notice No. 50 from 24 June 2007.

WARNING

Risk of distraction from information systems and communications equipment

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- ▶ Only operate this equipment when the traffic situation permits.
- ▶ If you cannot be sure of this, stop the vehicle whilst paying attention to road and traffic conditions and operate the equipment with the vehicle stationary.

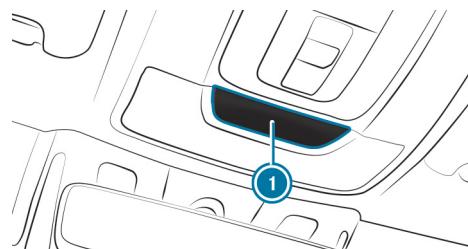
You must observe the legal requirements for the country in which you are currently driving when operating the multimedia system.

OVERVIEW OF THE MBUX INTERIOR ASSISTANT

If the vehicle is fitted with the MBUX Interior Assistant, selected functions of the multimedia system can be operated contact-free. In addition, the reading light or search light can be switched on or off contact-free.

The MBUX Interior Assistant can differentiate between driver and front passenger interactions.

The MBUX Interior Assistant recognises specific hand movements and a pose.



Example of camera installation location

Camera ① is located in the overhead control panel.

SYSTEM LIMITS, DISPLAY MESSAGES AND NOTES FOR RECTIFICATION

THE SYSTEM MAY BE IMPAIRED OR MAY NOT FUNCTION IN THE FOLLOWING SITUATIONS:

- The camera in the overhead control panel may heat up due to operating conditions. As a result the camera may switch off temporarily, particularly during longer periods of operation and at high outside temperatures.
Do not touch or cover the camera and wait until the camera has cooled down and is available again.
- The camera is covered, dirty, misted up or scratched.



Wait until the camera has cooled down before cleaning the camera lens. Clean the outside of the camera lens with a dry or damp cotton cloth. Do not use microfibre cloths. Do **not** remove the cover when cleaning.

- Recognition can be impaired by reflective clothing, an adverse colour of clothing or by accessories, for example.

- Clothing being worn (hat, shawl, scarf) may be limiting the detection range of the camera.
Keep the camera's field of vision clear.
- The camera is not operational.
Consult a Mercedes-Benz service centre.

SUPPORTED INTERACTIONS

Interaction area	Interaction	Description
In front of the media display or above the touchpad	Proximity to the control element	The MBUX Interior Assistant recognises a hand approaching a control element. Depending on the active application, the display will be adjusted in the media display. Some functions differentiate between driver and front passenger. No specific hand position is required.
Above the centre console	Defined pose	A favourite is called up with a defined pose.
Below the inside rearview mirror	Brief up and down movements	With brief up and down movements below the inside rearview mirror the reading light for the driver or the front passenger is switched on and off.
Above the front passenger seat	Stretching out a hand above the front passenger seat	By stretching out a hand above the front passenger seat the search light is switched on. If you withdraw a hand from this area, the search light is switched off again.

OPERATING FUNCTIONS BY BRINGING YOUR HAND CLOSER TO THE MULTIMEDIA SYSTEM

Requirements:

- One of the following applications appears in the media display:
 - Seat settings with displays for the driver and front passenger seat, e.g. [Seat](#)
 - Home screen
 - Radio menu or media menu
 - Map in the navigation
 - Active Parking Assist

- Recognition occurs as your hand approaches to approximately 10 cm from the touchscreen.

SEAT ADJUSTMENTS BY THE DRIVER OR FRONT PASSENGER

In the seat settings menu, the MBUX Interior Assistant detects proximity to various control elements of the multimedia system. In addition, the MBUX Interior Assistant detects from which seat the action emanates.

- ▶ When the seat settings are shown, move your hand towards the touchscreen.
The seat of the person operating, driver's seat or front passenger seat, is enlarged in the media display.





The appropriate control elements are pre-selected automatically.

- ▶ Either switch the function on and off directly or make further settings (depending on function).

HIGHLIGHTING AN APPLICATION ON THE HOME SCREEN

The MBUX Interior Assistant detects in which area your hand is in front of the touchscreen. The display of objects shown is adjusted to improve orientation.

- ▶ Move your hand towards the touchscreen.
The symbol for the application is enlarged. The quick-access applications will be highlighted.
- ▶ Continue operation and select a quick-access application, for example.

 Further information about the home screen (→ page 474).

ACTIVATING COVER CHANGE IN THE RADIO MENU AND MEDIA MENU

The MBUX Interior Assistant reduces the number of operating steps.

- ▶ Move your hand towards the touchscreen.
The current information, e.g. about the radio station, track and artist is hidden. Cover change is activated.
- ▶ Continue operation and select a cover.
- ▶ **To show current information again:** move your hand away from the touchscreen.

 More information on the radio menu (→ page 596) and the media menu (→ page 592).

SHOWING THE NAVIGATION MENU ON THE MAP

The MBUX Interior Assistant shows the navigation menu.

- ▶ Move your hand towards the touchscreen.
The navigation menu is shown.
- ▶ Continue operation and select a symbol.
- ▶ **To hide the navigation menu again:** move your hand away from the touchscreen.

 Further information on the navigation menu (→ page 517).

SHOWING OPERATING SYMBOLS IN THE ACTIVE PARKING ASSIST CAMERA IMAGE (ONLY FROM DRIVER'S SEAT)

The MBUX Interior Assistant facilitates quick-access for the driver to various camera views.

- ▶ When Active Parking Assist is shown, move your hand towards the touchscreen.
The camera operation symbols are displayed.
- ▶ Continue operation and display the desired front, rear, left and right camera views.

 Further information on the Active Parking Assist function (→ page 421).

CALLING UP FAVOURITES WITH THE V POSE

Requirements:

- There is at least one favourite.





- The favourite has been connected with the MBUX Interior Assistant (→ page 486).
- The area for recognition of the favourite's pose (V pose) is above the centre console at the height of the climate control vents and the media display. Your hand should be at least 10 cm from the media display.
- The V pose is held for a brief time.

CALLING UP FAVOURITES

The driver and front passenger can connect two different favourites with the V pose.

 If a favourite has not yet been saved and connected with the MBUX Interior Assistant, the multimedia system will assist you.

- Position a hand above the centre console in the direction of the media display. The back of your hand is facing upwards. In doing so the index and middle finger are spread to form a V with the other fingers bent inwards. Briefly hold the V pose.

The favourite is called up.

CONTACTLESS SWITCHING ON OR OFF OF THE READING LIGHT FOR DRIVER AND FRONT PASSENGER

Requirements:

- The function is available when it is dark.
- The hand movement takes place in the interaction area below the inside rearview mirror.

Briefly moving a hand up and down under the inside rearview mirror switches the reading light specifically for the driver or front passenger on or off.

- Move your hand up and down under the inside rearview mirror. The reading light is switched on or off.

SWITCHING THE SEARCH LIGHT FOR THE DRIVER ON OR OFF WITH A HAND MOVEMENT

Requirements:

- The function is available when it is dark.
- The hand movement takes place in the interaction area above the front passenger seat.
- The seat belt on the front passenger seat must **not** be inserted in the seat belt buckle.

Stretching out a hand over the front passenger seat switches a search light on for the driver when it is dark. Pulling the hand back switches the search light off again.

- To switch on:** reach across the front passenger seat with a hand. The search light is switched on for the driver.
- To switch off:** take a hand back away from the front passenger seat. The search light is switched off again.

SELECTING SETTINGS FOR THE MBUX INTERIOR ASSISTANT

Multimedia system:

- To switch on full functionality of the MBUX Interior Assistant:** select **On**.
The option is activated •.
- To activate additional functions for reading and search lights:** select **Including search and reading light**.
When the option is switched on, the display button is activated.



The functions for the reading and search lights are activated in addition to the proximity functions.

- **To switch off the MBUX Interior Assistant:** select **Off**.

The option is activated •.

User profiles

NOTES ON USER PROFILES

WARNING

Risk of becoming trapped during adjustment of the driver's seat after calling up a driver profile

Selecting a user profile may trigger an adjustment of the driver's seat to the position saved under the user profile. You or other vehicle occupants could be injured in the process.

- Make sure that when the position of driver's seat is being adjusted using the multimedia system, no people or body parts are in the seat's range of movement.

If there is a risk of someone becoming trapped, immediately stop the adjustment process by:

- a) Tapping the warning message on the central display.
or
► b) Pressing a position button of the memory function or a seat adjustment switch in the driver's door.
The adjustment process is stopped.

The electrically adjustable driver's seat is equipped with an automatic reversing function.

If the driver's door is open, the driver's seat will **not** be set after calling up the driver's profile.

OVERVIEW OF USER PROFILES

REQUIREMENTS FOR USE

- You have a Mercedes me ID.
- You have a Mercedes me PIN.
- You have agreed to the terms of use.
- The vehicle is linked to your Mercedes me ID.

-  If one of the pre-requisites listed is missing or if no user profile has been selected, the data described in the following section will be saved in the vehicle as the standard setting. Standard settings can be changed by all vehicle users.

User profiles save personal settings. If the vehicle is used by several people, a person can change their profile settings without changing the settings of other users.

You can individualise a user profile in the vehicle using the set-up assistant or using the settings in your user profile. Some settings, e.g. the Mercedes me PIN and a profile photo, are made in the Mercedes-Benz App or on the Mercedes-Benz website.

-  If the user profile is downloaded while travelling, user profiles are not set up using the set-up assistant.



User-specific content and applications with personal data are protected by different levels of security (→ page 483).

To access protected content, the Mercedes me PIN and, depending on the vehicle equipment, biometric sensors are used.

-  The security level is set by the multimedia system and calculated from the combination of all sensor inputs. Some security levels cannot be turned off.

 **WHEN A USER PROFILE IS ACTIVATED, THE FOLLOWING PERSONALISED COMFORT SYSTEMS, FOR EXAMPLE, CAN BE ADJUSTED OR THEIR SETTINGS LOADED:**

- Seat
- Ambient light
- Outside mirrors
- Air-conditioning settings

If the user profile is activated when driving then the driver's seat position will not be adjusted.

USER-SPECIFIC CONTENT

DEPENDING ON THE VEHICLE EQUIPMENT YOU CAN, AS A USER, SAVE THE FOLLOWING SETTINGS, FOR EXAMPLE:

- Driver's seat, steering wheel and mirror settings
- Climate control
- Ambient light
- Radio (including station list)

- Suggestions and favourites

You can watch an animation on this topic via the following link:

ADDING A USER

Requirements:

- The vehicle is stationary.

Multimedia system:



- ▶ Select  Add user.
A QR code is loaded.
- ▶ Scan the displayed QR code with the Mercedes-Benz App or any QR code scanner on a mobile device. If the Mercedes-Benz App is not yet installed on your mobile device, you will be directed to the store on your mobile device.
- ▶ Follow the steps in the Mercedes-Benz App.
The vehicle is linked to your Mercedes me ID. This automatically creates your user profile in the vehicle.
You will be informed when your user profile is available.
When the vehicle is stationary, the set-up assistant starts automatically after user selection.

-  When the user has been added, they can be selected (→ page 485).





SELECTING USER OPTIONS

Multimedia system:



PROTECTING USER-SPECIFIC CONTENT AND APPLICATIONS

If you add a new user, access protection is already activated for the user profile. The Mercedes me PIN and, depending on the vehicle equipment, biometric sensors are available for access. Biometric sensors in the vehicle must be taught in. The authentication process then takes all taught-in and available sensors into account.

THE FOLLOWING USER-SPECIFIC CONTENT AND APPLICATIONS ARE PROTECTED, FOR EXAMPLE:

- User selection and user profile settings
- Biometric sensors
 - The teaching-in of biometric sensors
For teaching in and editing biometric recognition see the following section.
- Suggestions
 - The data and determination of the most probable navigation destinations, media sources, radio stations, contacts and messages.
- ENERGIZING COACH
 - The recorded health data and its evaluation.
- Parking service
 - The payment transactions.
- Mercedes-Benz Store
 - The purchase of services.
- System activations of paid vehicle functions

IN THE FOLLOWING CASES YOU WILL BE PROMPTED FOR AUTHENTICATION OR RE-AUTHENTICATION USING A SENSOR OR THE MERCEDES ME PIN:

- When selecting a protected user profile
 - When calling up a function requiring special protection
 - If biometric sensors provide insufficient or contradictory information
 - If the multimedia system no longer trusts a sensor
 - If the seat belt buckle and the door are opened at the same seat and a function requiring special protection is called up
 - When the vehicle is locked from outside
- Select [Protect content](#).
- Switch [Access protection](#) on or off.

 When access protection is switched off, your user profile can be viewed from any seat and changes can be made.

 Access protection is switched on or off on a vehicle-specific basis.

 Note that authentication is necessary for some functions and therefore cannot be switched off completely.

SETTING UP AND EDITING BIOMETRIC RECOGNITION

The biometric data models are saved in the sensors in the vehicle. If recognition has been set up, this sensor serves as a contributory factor for authentication on the multimedia system.





- ▶ Select [Protect content](#).
- ▶ Select [Voice recognition](#).

 If necessary, authenticate yourself on the multimedia system.

SETTING UP VOICE RECOGNITION

- ▶ Speak the sentence shown on the media display and follow the voice assistant's instructions.

If voice recognition was successful, a message appears on the media display. You can unlock your user profile.

 Avoid background or disturbing noises during voice recognition.

DELETING BIOMETRIC DATA

- ▶ Tap on  behind [Voice recognition](#).
- ▶ Select [Yes](#).

CALLING UP THE SET-UP ASSISTANT

- ▶ Select [Profile](#).
- ▶ Select [Set-up assistant](#).
- ▶ Follow the directions from the set-up assistant.

CHANGING A USER NAME OR PROFILE PHOTO

- ▶ Select [Profile](#).
- ▶ Select [Change user name](#).

or

- ▶ Select [Profile picture](#).
- ▶ Enter the user name or select a user image.
- ▶ Select [Finished](#).

 You can use the Mercedes me ID to store your photo in the Mercedes-Benz App or in the Mercedes-Benz Portal. The photo will then be shown in the vehicle. In the vehicle itself, you can select other sample images instead of the photo.

DELETING A USER PROFILE

- ▶ Select [Profile](#).
- ▶ Select [Remove](#).
- ▶ Select [Remove user profile](#).

 Your Mercedes me ID and your personal data are retained in the Mercedes-Benz ecosystem.

RESETTING THE USER PROFILE TO FACTORY SETTINGS

- ▶ Select [Profile](#).
- ▶ Select [Reset](#).
- ▶ Select [Yes](#).

 This resets the contents of the user profile to factory settings, but not the vehicle.





SELECTING A USER

Multimedia system:



-  When you call up your driver profile, the driver's seat and the steering wheel can be set.

YOU CAN CANCEL THE SETTING PROCESS WITH THE FOLLOWING ACTIONS:

- Tap on the [Tap here to cancel.](#) message on the media display.
- Press one of the seat operating buttons in the driver's door.

- ▶ Select [Select user](#).
- ▶ Select a user.
- ▶ When requested to do so, authenticate with the Mercedes me PIN or a taught-in biometric characteristic.
The user profile is loaded and activated.
-  If you select [Continue without selecting user](#), no specific settings for the user profile are loaded.

SYNCHRONISING USER PROFILES

Requirements:

- You have a Mercedes me ID.
- The vehicle is linked to your Mercedes me ID.

Multimedia system:



- ▶ [Synchronise automatically](#).

When the vehicle is switched on or off, the data stored in the vehicle is automatically synchronised with the Mercedes me IDs. This synchronisation is done for all user profiles and is not profile-specific.

or

- ▶ Select [Synchronise now](#).

The data stored in the vehicle is synchronised with the personal profiles after selecting this option.

-  Not all user profile functions are available during synchronisation. During synchronisation, the most recently changed data is applied.

-  **IF THE PERSONALISATION SERVICE IN THE VEHICLE IS DEACTIVATED, ONLY THE FOLLOWING USER PROFILE MASTER DATA IS SYNCHRONISED:**

- Profile name
- Profile image
- Mercedes me PIN

Favourites

OVERVIEW OF FAVOURITES

Favourites offer you quick access to frequently used applications. 100 favourites are available in total.





You can select favourites from categories or you add favourites directly from an application.

-  You can add and edit navigation favourites within the application.

CALLING UP FAVOURITES

Multimedia system:



- ▶ Alternatively, in the home screen pull down bar ④ in the centre of the status line (→ page 474).
- ▶ Select  in the Control Center.

ADDING FAVOURITES

Multimedia system:



SELECTING FAVOURITES FROM CATEGORIES

- ▶ Select .
- ▶ Select  [Create new favourite](#).
- ▶ Select the category.
- ▶ Select a favourite.
The favourite is stored at the next available position.
- ▶ **All positions in the favourites are taken:** confirm the message shown.
A list shows all the favourites.
- ▶ Select a favourite to be overwritten.

ADDING A FAVOURITE FROM AN APPLICATION

You can, for example, save a contact (example), or add an ENERGIZING COMFORT programme.

- ▶ **To save a contact as a global favourite:** select a contact (→ page 559).
- ▶ Press on a telephone number until a menu is shown.
- ▶ Select [Save as favourite](#).
The contact is added as a favourite.

LINKING FAVOURITES WITH THE MBUX INTERIOR ASSISTANT V POSE

-  If a favourite is linked to the V pose, you can call it up (→ page 479).

- ▶ Select .
- ▶ Select [Driver](#) or [Passenger](#).
- ▶ Select the category.
- ▶ Select a favourite.
If the favourite is linked with the V pose, a notification appears.

-  The linked favourite pose can be activated or deactivated for the driver or front passenger.

RENAMING FAVOURITES

Multimedia system:



- ▶ Press on a favourite until a menu is shown.





- ▶ Select [Rename](#).
- ▶ Enter the name.
- ▶ Save the names.

MOVING FAVOURITES

Multimedia system:



- ▶ Press on a favourite until a menu is shown.
- ▶ Select [Move](#).
- ▶ Move the favourite to the new position.
- ▶ Tap on .

DELETING FAVOURITES

Multimedia system:



- ▶ Press on a favourite until a menu is shown.
- ▶ Select [Delete](#).
- ▶ Select [Yes](#).

RESETTING FAVOURITES

- ▶ In the menu, select [Reset all favourites](#).
- ▶ Select [Yes](#).

Notifications Centre

OVERVIEW OF THE NOTIFICATIONS CENTRE

THE FOLLOWING COMMUNICATIONS ARE COLLECTED IN THE NOTIFICATIONS CENTRE:

- Communications which are generated by the vehicle or from the multimedia system.
- Communications which are received through the use of services.

THE FOLLOWING NOTIFICATION TYPES ARE AVAILABLE FOR YOU:

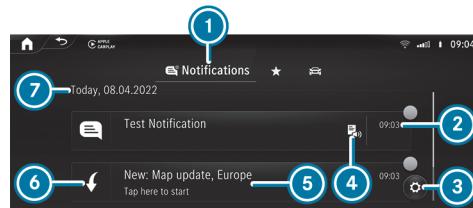
- Navigable destinations and routes
- Messages (text messages)
- System information, e.g. [Important software update available. Confirm to start the update](#).
- Other notifications, e.g. from additional online services that can be subscribed to or emergency reports (e.g. tornado)

The Notifications Centre is in the Control Centre.

Depending on the style set, newly received notifications are shown using a coloured dot.

Notifications are normally briefly shown as they are received. If you take no action, these are stored for future access in the Notifications Centre.

The notifications are sorted chronologically. The most recent notifications are at the top.



Example of a message

- ① Calls up the Notifications Centre
- ② Time message received
- ③ Calls up the settings
- ④ Display for available actions
- ⑤ Description of the notification and the issuing service
- ⑥ Symbol for notifications
- ⑦ Date of the received notifications

Depending on the type of notification, up to four different actions are available.

EXAMPLES OF ACTIONS INCLUDE:

- Reading aloud
- Placing a call
- Replying
- Calling up a web page
- Navigation

Some notifications, e.g. a navigation destination, are stored longer. Therefore, it is not necessary to carry out available actions directly upon receipt of the notifications. A route guidance can be started at a later time.

You can pin a notification so that this is not deleted automatically after a certain time (→ page 489).

CALLING UP NOTIFICATIONS

OPENING THE NOTIFICATIONS CENTRE

- ▶ In the home screen pull down bar ④ in the centre of the status line (→ page 474).
The Control Centre opens.
- ▶ Select in the Control Center.

SELECTING A NOTIFICATION

- ▶ If several messages are available swipe up or down.
- ▶ Select an action.

CLOSING THE NOTIFICATIONS CENTRE

- ▶ Select .

SELECTING ACTIONS FOR A NOTIFICATION

THE FOLLOWING OPTIONS ARE AVAILABLE:

- Select the action directly after a notification is received and shown.
- Select the action later after calling up in the Notifications Centre.
- ▶ Up to two actions available: select the action.
- ▶ More than two actions available: select .
- ▶ Select the action.
The notification is still available.
- ▶ Close the actions with .



EDITING NOTIFICATIONS

- ▶ Call up the Notifications Centre (→ page 488).

CONFIGURING SETTINGS

- ▶ Select  **Settings**.
- ▶ Select the service.
- ▶ Switch the options on or off.

THE FOLLOWING OPTIONS ARE AVAILABLE DEPENDING ON THE SERVICE:

- Allow notifications
- Display in notification centre
- Show notifications
- Switching **Acoustic signals** on or off
- External access

The option allows an external service access to specific data, e.g. the current vehicle position. The detailed, approved information is shown with .

If **Allow notifications** is switched off, the options cannot be selected with the exception of **External access**.

PINNING A NOTIFICATION

- ▶ Drag a notification to the right on the touchscreen.
A pin appears.
- ▶ Tap on the pin.
The notification is marked with a pin.

DELETING NOTIFICATIONS

- ▶ Drag a notification to the left on the touchscreen.

or

- ▶ Select .
- ▶ Select **Yes**.
All messages are deleted.

Global search

GLOBAL SEARCH OVERVIEW

You can call up the global search on the home screen. You can input characters using the keyboard or the handwriting recognition. Alternatively, the MBUX voice assistant allows voice input.

THE GLOBAL SEARCH PROVIDES SEARCH RESULTS FOR THE FOLLOWING CATEGORIES:

- Navigation
- Entertainment
- Telephone
- Digital Owner's Manual
- Website

The global search enables you to search for towns, roads and tourist attractions in the navigation category, for example.

If the search field is empty, you will first see smart suggestions in the **Suggestions** category.

If a letter is entered, the best hits are displayed in the **All** category. You will find further search results in the individual categories. Next to the category is the number of results.





After selecting a category you can select the search results within the category. When you select a search result, a detailed view is opened depending on the category.

USING THE GLOBAL SEARCH

Multimedia system:



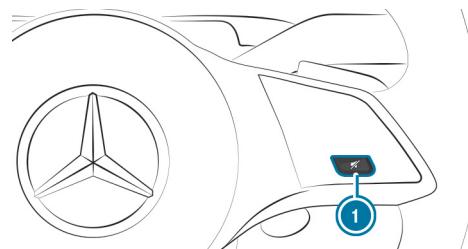
In the **Suggestions** category up to six smart suggestions are displayed, even if no search entry has been entered yet.

- ▶ Enter the search term into the search field.
As soon as a character is entered the **All** category is marked. Up to ten search results per category are displayed there.
In the other categories suitable search results for the entered search item are displayed.

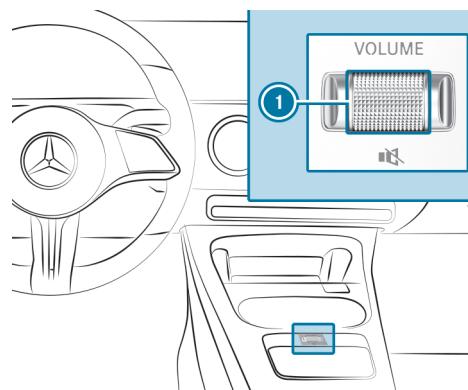
i Alternatively, the MBUX Voice Assistant allows voice input using or you switch to the handwriting recognition (→ page 492).

- ▶ **To end the search:** select .
- ▶ **To show search results for a category:** select a category.
- ▶ **To accept the search result:** select the search result.
An action starts, e.g. a radio station is set or a detailed view is displayed, e.g. for a contact.

Switching the sound for the MBUX multimedia system on or off



On the steering wheel



On the centre console

- ▶ **To switch off:** press button ① on the steering wheel or controller ① on the centre console.
The current audio source is muted.
The symbol appears in the status line of the media display.

If you are listening to a radio station, for example, and switch off the sound then all media sources will be muted.





Traffic and navigation announcements can still be heard in this case. The MBUX voice assistant and telephony are also not affected.

SWITCHING ON

- ▶ Press button ① on the steering wheel or controller ① on the centre console again.

or

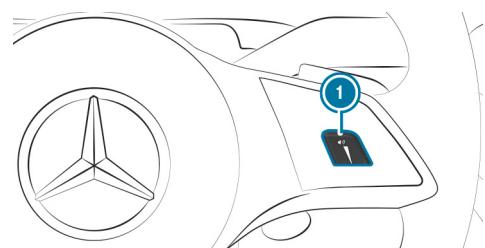
- ▶ Set the volume.

or

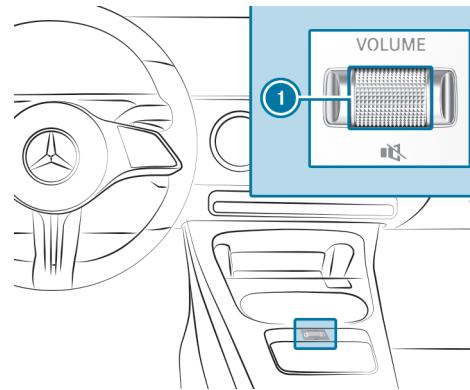
- ▶ The media source changes.

Setting the volume of the MBUX multimedia system

ADJUSTING WITH THE BUTTON OR CONTROLLER



On the steering wheel



On the centre console

- ▶ **On the steering wheel:** press ① [-] or [+].

or

- ▶ Swipe across button ①.

The volume of the current audio source in the foreground is set.

or

- ▶ **On the centre console:** turn controller ①.

USING THE BUTTON OR CONTROLLER, THE VOLUME IS ADJUSTED FOR THE FOLLOWING GROUPS:

- Entertainment
- Ringtone
- Calls, for example phone calls
- Voice output, for example MBUX voice assistant
- Navigation announcements





- i** If you set the volume of the voice output to "0", for example, a minimum volume is automatically set when the MBUX voice assistant is next called up. The entertainment volume is automatically adjusted after the multimedia system is restarted.

SETTING IN THE MENU

- ▶ Press the  button on the right of the steering wheel.
or
- ▶ Select  on the touchscreen.
The home screen appears.
- ▶ Select **Settings**.
- ▶ Select **System**.
- ▶ Select **Audio**.
- ▶ Select a volume setting.

- i** The volume can be set for all groups except the entertainment volume.

- ▶ Set the volume.

THE FOLLOWING SETTINGS ARE ALSO AVAILABLE IN THE ASSISTANCE MENU:

- Switching the navigation announcements on or off during a phone call.
- Reducing the entertainment volume while a navigation announcement is being issued.

Entering characters

USING THE CHARACTER INPUT FUNCTION

Enter the characters on the Touch Control or on the touchscreen. Character input can be started with a control element and resumed with another.

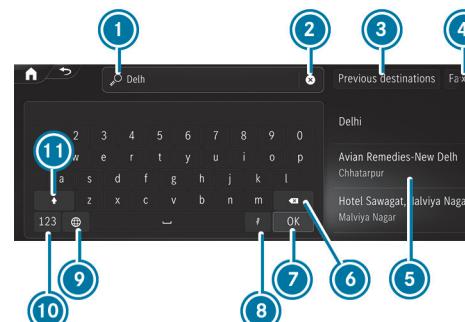
- ▶ When the keypad is shown, enter the characters by swiping and pressing on the Touch Control or by tapping on the touchscreen.

Examples for character input include the global search, entering a navigation destination or the renaming of a favourite, for example.

ENTERING CHARACTERS ON THE TOUCHSCREEN

Requirements:

- An online connection is required for some functions.
- For Hong Kong and Singapore: Chinese or, for example, English (ABC) is set as the system language.



Character input with the keypad (destination entry)

i Input line with current entry



- ② Deletes an entry
 - ③ Selects previous destinations
 - ④ Displays and selects additional destination searches
 - ⑤ Search result
 - ⑥ Deletes the last character entered
 - ⑦ Hides the keypad
 - ⑧ Switches to handwriting recognition (if available)
 - ⑨ Sets the written language
 - ⑩ Switches to digits, special characters and symbols
 - ⑪ Switches to upper-case or lower-case letters
- Example: call up the navigation and enter a destination address
(→ page 50).
- Briefly press on a character.
The character is entered in input line ①.
- Resume character input.

i The available editing functions depend on the editing task, the language set and the character level.

SETTING THE KEYBOARD FOR CHARACTER ENTRY

Multimedia system:

 ►  ►  ► 

SETTING THE KEYBOARD LANGUAGE

- Select **Keyboard languages**.
- Select one or more keyboard languages.

DELETING THE USER DICTIONARY

The user dictionary learns from your inputs and offers suggestions during character input. You can reset the user dictionary.

- Select **Reset my dictionary**.
- Select **Yes**.

ENTERING ALTERNATIVE CHARACTERS

- Press and hold on a character.
- Select the character.

ENDING CHARACTER INPUT

- Hide keypad ⑦ .





< System settings

Display

CONFIGURING DISPLAY SETTINGS

Multimedia system:

► Settings ► System ► Display

ADJUSTING THE BRIGHTNESS

- ▶ Select [Display brightness](#).
- ▶ Vehicles with a driver display and media display: adjust the display brightness of the driver display or media display.

Time and date

SETTING THE TIME ZONE

Multimedia system:

► Settings ► System ► Time and date

- ▶ Select [Time zone](#).
The list of countries is displayed.

If there are several time zones available in a country, these will be shown after the country is selected.

- ▶ Select a country and, if required, a time zone.
The time zone set is displayed after [Time zone](#).

or

- ▶ Select the [Automatic time zone](#) entry from the country list.
The time zone will be set automatically according to the vehicle location.

The [Automatic time zone](#) option is available for vehicles with satellite reception.

SETTING THE TIME AND DATE FORMAT

Multimedia system:

► Settings ► System ► Time and date ► Set format

- ▶ Select a time and date format.

SETTING THE TIME AND DATE MANUALLY

Requirements:

- The vehicle does not have satellite reception.

Multimedia system:

► Settings ► System ► Time and date

SETTING THE TIME

- ▶ Select [Set time](#).
- ▶ Set a time.
- ▶ Press [OK](#) to confirm.





SETTING THE DATE

- ▶ Select [Set date](#).
- ▶ Select a date.
- ▶ Press [OK](#) to confirm.

i On vehicles with satellite reception, the time and date settings are determined automatically based on the vehicle location and cannot be set manually.

ADJUSTING THE TIME

- ▶ Select [Adjust time](#).
- ▶ Set a value.
- ▶ Press [OK](#) to confirm.

i The function is only available in vehicles with satellite reception.

Vehicle position

SWITCHING TRANSMISSION OF THE VEHICLE POSITION ON OR OFF

Requirements:

- The vehicle is linked to a Mercedes-Benz ID.
- At least one digital Mercedes-Benz service is activated for the vehicle, which customers and/or third parties can use to display the vehicle position via the respective user accesses.

With this setting, you decide whether the vehicle position will be transmitted in order to show it to users who have access to the digital Mercedes-Benz services for this vehicle.

i The function is country-dependent. For more information, consult a Mercedes-Benz Service Centre.

Multimedia system:

→ ➤ [Settings](#) ➤ [System](#) ➤ [Data protection](#)

- ▶ Activate or deactivate the [Transmit veh. position](#) function.

i Alternatively, you can also switch the function on or off in the status line via .

Setting permissions

Multimedia system:

→ ➤ [Settings](#) ➤ [System](#) ➤ [Data protection](#) ➤ [Permissions](#)

In the [Permissions](#) menu, you can set access authorisations for various data points (such as microphone, camera) used in an application. You can change permissions that have already been granted here. You can set permissions either for individual data points or for certain applications or websites.

- ▶ Select [Requests](#) or [Apps/websites](#).
- ▶ Make the required settings for the permissions.





Bluetooth®

INFORMATION ABOUT BLUETOOTH®

Bluetooth® technology is a standard for short-range wireless data transfer up to approximately 10 m.

YOU CAN USE BLUETOOTH® TO CONNECT YOUR MOBILE PHONE TO THE MULTIMEDIA SYSTEM AND USE THE FOLLOWING FUNCTIONS, FOR EXAMPLE:

- Hands-free system with access to the following options:
 - Contacts (→ page 559)
 - Call lists (→ page 561)
 - Text messages (→ page 562)
- Internet connection (→ page 582)

Bluetooth® is a registered trademark of Bluetooth Special Interest Group (SIG) Inc.

Internet connection via Bluetooth® is not available in all countries.

ACTIVATING/DEACTIVATING BLUETOOTH®

Multimedia system:

- Settings ► System ► Internet and Bluetooth
► Activate or deactivate Bluetooth.

Near Field Communication (NFC)

INFORMATION ON NEAR FIELD COMMUNICATION (NFC)

NFC enables short-range wireless data transfer or connection of a mobile phone with the multimedia system.

Further information can be found at: <https://www.mercedes-benz-mobile.com/>

SWITCHING NEAR-FIELD COMMUNICATION ON OR OFF

Multimedia system:

- Settings ► System ► Internet and Bluetooth
► Activate or deactivate NFC.

Further information on connecting a mobile phone via the NFC interface (→ page 555)

Wi-Fi

WI-FI CONNECTION OVERVIEW

You can use Wi-Fi to set up a connection to the Internet or to external network devices.

The availability of the function is dependent on the country.

GENERALLY, TWO TYPES OF WI-FI CONNECTION ARE AVAILABLE:

- **Using the multimedia system as a Wi-Fi hotspot** (→ page 497)

The vehicle's multimedia system serves as a Wi-Fi hotspot for mobile communication devices, such as smartphones or tablet PCs, for example.





- **Using a mobile communication device as a Wi-Fi hotspot (tethering)**
 (→ page 584)

An external Wi-Fi hotspot is accessed for the Internet connection of the vehicle's multimedia system.

SWITCHING WI-FI ON OR OFF

Multimedia system:

►  ► Settings ► System ► Internet and Bluetooth

► Select **Wi-Fi**.

The controller is to the right: Wi-Fi is switched on.

When Wi-Fi is switched on, you can connect the multimedia system with external hotspots or make it available as a hotspot for external devices.

When Wi-Fi is switched off, it is not possible to establish a hotspot connection.

(i) Availability of the function is dependent on the respective country.

USING THE MULTIMEDIA SYSTEM AS A WI-FI HOTSPOT

Requirements:

- The device to be connected supports at least one of the types of connection described.

The connection types shown depend on the device to be connected. The function must be supported by the multimedia system and by the device to be connected. The type of connection must be selected on the multimedia system and on the device to be connected.

(i) The data volume of the vehicle or an already connected tethering device is used for the data connection. Vehicle data volume: depending on the vehicle equipment, you can purchase an Entertainment Package via the Mercedes-Benz Store. In order to use the data package included, you must conclude your own contract with a mobile phone network provider via the Mercedes-Benz App. This can be terminated at any time and incurs no costs. Without this contract it is not possible to use the services included in the previously acquired Entertainment Package. The availability of this option is dependent on the country. If the data package option is not available or can be upgraded, you can purchase data volume directly from the mobile phone network provider for a fee. The availability of this option is dependent on the country.

(i) Some functions may first need to be activated on the device being connected. More detailed information can be found in the manufacturer's operating instructions.

(i) The use of the vehicle data tariff by external devices is not available in all countries.

Multimedia system:

►  ► Settings ► System ► Internet and Bluetooth

► Select **MBUX hotspot**.

► Select one of the following connection options.





CONNECTING USING A QR CODE

Requirement: an app for scanning the QR code is installed on the device being connected.

Alternatively: the device being connected has an integrated QR code scanner (see the manufacturer's operating instructions).

- ▶ Scan the QR code shown.
The WLAN connection is established.

CONNECTING USING NFC

- ▶ Activate NFC on the device to be connected.
- ▶ When the NFC symbol is displayed in the **MBUX hotspot** menu, hold the device to be connected to the NFC interface.
- ▶ Follow the instructions on the device.
The WLAN connection is established.

CONNECTING USING A SECURITY KEY

- ▶ Select the vehicle from the device to be connected. The vehicle is displayed with the **MBUX XXXXX** network name.
- ▶ Enter the security key which is shown in the media display on the device to be connected.
- ▶ Confirm the entry.

GENERATING A NEW SECURITY KEY

- ▶ Select the **Generate new security key** option in the **MBUX hotspot** menu.
- ▶ Confirm the prompt with **Yes**.
A new security key is generated.

A connection will be established with the newly created security key.

- When a new security key is generated, all existing WLAN connections are then disconnected. If the WLAN connections are re-established, the new security key must be entered.

System language

NOTES ON THE SYSTEM LANGUAGE

This function allows you to determine the language for the menus and navigation announcements. The selected language affects the characters available for entry. The navigation announcements are not available in all languages. If a language is not available, the navigation announcements will be in English.

SETTING THE LANGUAGE

Multimedia system:



SETTING THE SYSTEM LANGUAGE

A list of the available system languages is shown.

- ▶ Select a language.
The system language is switched to the selected language.

Setting the distance unit

Multimedia system:



- This function is not available in all countries.





- ▶ Select a unit for the distance.
- ▶ Activate **Additional speedometer** for an additional display in the driver display.

Activating/deactivating system PIN protection

Multimedia system:

► **Settings** ► **System** ► **Data protection** ► **PIN protection**

SETTING THE SYSTEM PIN

- ▶ Select **Set PIN**.
- ▶ Enter a four-digit system PIN.
- ▶ Enter the four-digit system PIN again.

If both system PINs match, then the system PIN protection is active.

CHANGING THE SYSTEM PIN

- ▶ Select **Change settings**.
- ▶ Enter the current system PIN.
- ▶ Select **Change PIN**.
- ▶ Set a new system PIN.

ACTIVATING SYSTEM PIN PROTECTION FOR SOFTWARE UPDATES

- ▶ Select **Protect software updates**.
- ▶ Activate or deactivate the function.

Configuring suggestions

Multimedia system:

► **Settings** ► **System** ► **Suggestions**

- ▶ Select .
- ▶ Switch the options on or off individually.

If an option is switched on and sufficient data has been gathered, personalised suggestions based on your user behaviour will be offered to you. These are, for example, navigation destinations visited, phone numbers dialled as well as suggestions based on your music preferences.

Navigation

When **Allow destination suggestions** is switched on, the vehicle makes suggestions based on your visited navigation destinations.

If **Commuter route** is switched on, the navigation automatically detects that the vehicle is on a commuter route.

Calls & messages

Suggestions are offered for numbers dialled and messages sent.

Comfort

The vehicle makes suggestions based on the use of your comfort functions, e.g. which massage programme should be started at what time.

Entertainment

Suggestions are offered for the currently played media source. Suggestions are also made for online digital services, e.g. Spotify, TuneIn Radio and streaming services, and for categories, e.g. genre, artist and mood.

Vehicle

The suggestions for vehicle functions are displayed, e.g. for Parking Assist PARKTRONIC.

Online voice services



The suggestions are made available online based on your voice input and are offered on the zero layer.

The zero layer is your own personalised user interface with the digital map in the foreground and the applications that you use the most. You can switch between the zero layer and the home screen with a classic menu.

The suggestions offered depend on the equipment.

Deleting collected suggestions

Multimedia system:

- ▶ Select .
- ▶ Select **Yes**.

The suggestions are reset.

Software update

INFORMATION ON SOFTWARE UPDATES

The availability of this function is country-dependent.

Software updates keep your vehicle and the related systems up-to-date and prevent security flaws.

Software updates are available online for vehicle components such as control units, convenience systems, locking and safety systems, driver assistance systems, suspension and drive systems as well as for the MBUX multimedia

system. Software updates are available via the communication module or a Wi-Fi connection to an external hotspot.

The navigation maps are also updated via updates from external storage media (e.g. USB flash drive).

Install available software updates regularly. Otherwise the security of your MBUX multimedia system and individual vehicle components cannot be ensured.

Software updates can be protected with a system PIN. Further information about the system PIN (→ page 499).

Further information about software updates can be found at <https://me.secure.mercedes-benz.com>.

CARRYING OUT SOFTWARE UPDATES

Requirements:

FOR SOFTWARE UPDATES VIA THE COMMUNICATION MODULE AND WI-FI:

- Your vehicle is linked to a Mercedes me ID (→ page 577).
- Software updates without Mercedes me ID: the [Allow software updates](#) option in the [Software update](#) menu is activated.
- For software updates via the communication module: an Internet connection exists via the communication module (→ page 583).
- For software updates via Wi-Fi: a connection to an external Wi-Fi hotspot exists (→ page 584).

The availability of this function is country-dependent.





 Depending on the software update, this is started via the  communication module,  Wi-Fi or an  external storage medium.

 Online software updates cannot be performed via external Wi-Fi hotspots that are encrypted via TKIP.

 If the Wi-Fi hotspot requires logging in via the browser, once the connection is successfully established the browser will open in order to start the update. To start the download follow the instructions in the browser.

Multimedia system:



STARTING A MAP UPDATE FROM AN EXTERNAL STORAGE MEDIUM

- ▶ Connect the storage medium with the vehicle via a media interface.
A message about an available map update appears on the media display.
- ▶ Select the message.
- ▶ Select **Start**.
The map update is started.

STARTING THE SOFTWARE UPDATE VIA THE COMMUNICATION MODULE

If the [Automatic online update](#) option is active, available software updates are downloaded and installed automatically. Activate the option in order to always keep your vehicle up-to-date and avoid security flaws.

- ▶ Select [Automatic online update](#).

The software update is downloaded and installed automatically.

If the option is deactivated, you will be informed of new software updates once. The updates are available for downloading for a limited period of time.

- ▶ Select an update from the list of available updates.
- ▶ Start the update.
The software update is downloaded and installed automatically.

STARTING A SOFTWARE UPDATE VIA WI-FI

Some software updates require an additional connection to a Wi-Fi hotspot. The connection to an external hotspot can be established when the software update is started.

- ▶ Select an update from the list of available updates.
- ▶ Start the update.
- ▶ Establish the connection to a Wi-Fi hotspot.
The update is downloaded and installed automatically.

For software updates requiring a safe vehicle status: when the last installation step is reached, a message appears on the media display after the vehicle is switched off. Follow the step-by-step instructions on the media display to complete the installation.

There are software updates that can only be installed when the vehicle is safely parked, there are no more people in the vehicle and the vehicle is locked.





INSTALLING SOFTWARE UPDATES

Software updates are installed automatically after they are downloaded. As soon as the software update has been completed, a message appears in the media display. It may be necessary to restart the MBUX multimedia system.

Some software updates require a safe vehicle status for the installation to be completed. They can only be carried out in a safely parked vehicle with the vehicle switched off. If this is necessary, a message appears on the media display after the vehicle is switched off.

- ▶ Follow the instructions on the media display.

For some software updates, you can set a time for installation. The installation is carried out automatically at the scheduled time. You do not need to be in the vehicle during installation. Note that the planned installation is cancelled as soon as the vehicle door is opened.

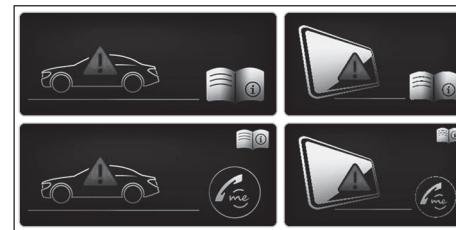
If an installation is available where you can set the time, a message appears on the media display after the vehicle is switched off.

- ▶ Follow the instructions on the media display.

The vehicle cannot be used while these software updates are being installed. Make sure that no persons or animals are in the path of your vehicle. Events stored in the vehicle's control units can be overwritten.

AVAILABILITY OF THE DRIVER AND MEDIA DISPLAY

During the installation of software updates, it is not possible to use the vehicle, driver display and media display. You may receive the following display message when an installation is running:



- The display message does not appear every time a software update is installed.

In rare cases, an error can occur during the installation. The multimedia system automatically attempts to restore the previous version.

If it is not possible to restore the previous version, the display message shown above appears every time the vehicle is started.

FAILURE OF THE DRIVER DISPLAY:

If the driver display fails or there is a malfunction, you may not recognise limitations in the functions of systems relevant to safety or the speed display, for example. This may impair the operating safety of the vehicle. Park the vehicle safely as soon as possible and notify a qualified specialist workshop.

Further information about software updates can be found at <https://me.secure.mercedes-benz.com>

FAILURE OF THE MEDIA DISPLAY:

If the media display fails or the display message shown above is shown continuously, several systems such as the reversing camera, Parking Assist PARKTRONIC or climate control are no longer available. Drive on carefully and consult a specialist workshop as soon as possible.





Resetting the multimedia system (reset function)

WARNING

Risk of accident due to failure of central display functions

While the multimedia system is reset, its functions, such as the reversing camera, are not available.

- ▶ Only reset the multimedia system when the vehicle is stationary.

Requirements:

- The vehicle is switched on.
- The vehicle is stationary.

Multimedia system:

WHEN RESETTING THE SYSTEM, PERSONAL DATA AND SETTINGS ARE DELETED, FOR EXAMPLE:

- Connected devices
- Individual user profiles
- Biometric data

-  The data used and saved in the multimedia system by the driver assistance systems is deleted.

- ▶ Select **Reset**.

A query appears asking if the system should really be reset.

- ▶ Select **Yes**.

The multimedia system is reset to the factory settings. The multimedia system is restarted after the system reset.

-  Due to data protection, as well as the function of individual driving systems and driving safety systems, it is a requirement to carry out a complete system reset before selling the vehicle or transferring it to a third party, or after use as a hire car.



< AMG TRACK PACE

Function of AMG TRACK PACE

This function is a Digital Extra (→ page 109).

With AMG TRACK PACE, the driving characteristics on race tracks can be analysed and optimised. You can drive previously saved race tracks (e.g. Hockenheimring), or record and save new tracks. The driven lap times are stored for every track. These can be analysed and compared to other lap times to achieve the best possible race results. Additionally, acceleration and braking procedures can be measured and stored.

Note: Use AMG TRACK PACE only on closed-off routes outside the public traffic area. Adapt your driving style to your personal performance and environmental conditions. As the driver, you are solely responsible for driving your vehicle. Park your vehicle safely before operating the application.

Setting Track Race

Multimedia system:

TRACK PACE **Track Race**

RECORDING A NEW TRACK

- ▶ Select **New track**.

- ▶ At the desired starting point, select **Start recording**.
The track recording starts at this point.

During track recording, sectors can be set to subdivide the track.

- ▶ Select **Set sector**.
- ▶ To finish track recording, select **Stop recording** or cross the starting line again.
- ▶ Confirm the prompt with **Yes**.
- ▶ Select the weather.

The temperature is determined automatically.

- ▶ Enter a name.
- ▶ Press to confirm.
The track is saved under the name you entered.

SEARCHING BY TRACK NAME

- ▶ Select **Search**.
- ▶ Enter the track name.
Tracks with the searched name are displayed.





MEASURING THE TIME ON THE SAVED TRACK

- ▶  Select [All tracks](#).
- ▶ Select the desired track.
- ▶ Select .
- ▶ If you are already at the starting line, select [Start timing](#).

or

- ▶ Select [Navigate to](#) to be navigated to the starting line.

Timekeeping begins automatically when the starting line has been crossed.

 Selecting  enables you to switch to the AR view of the track. Selecting  also allows you to switch to the telemetrics display.

- ▶ To end the timekeeping, select  [End timekeeping](#).
- ▶ Confirm the prompt with [OK](#).
- ▶ Select the weather.
- ▶ Select [Yes](#) to save the times recorded for this track.

FADING IN DISPLAYS DURING TRACK RACE

THE FOLLOWING DISPLAYS CAN BE SUPERIMPOSED:

- Tyre temperature
- Miniature map
- Sector overview
- Engine data
- G-force display

- Lap overview
 - ▶ Select  [Start timing](#).
 - ▶ Select .
 - ▶ Pull the desired display from the grid on the left or right edge of the media display.
- The displays are shown during Track Race.

Selecting  on the active display deactivates it.

DISPLAYING THE ANALYSIS

- ▶  Select [All tracks](#).
- An overview of all the driven tracks appears.
- ▶ Select a track.
- ▶ Select a session.

THE FOLLOWING DATA ARE DISPLAYED:

- lap and sector times
- average and maximum permissible speed
- driver
- vehicle
- date
- weather
- ▶ Select [Add recording](#) to use a different session as a reference value.
- ▶ Select  in order to return to the overview.
- ▶ Select [Diagram](#).





- ▶ Set the desired parameters.

The analysis is displayed.



- ① Lap overview
- ② Parameter overview
- ③ Editing parameters
- ④ Adding a new parameter
- ⑤ Deleting parameters

**(i) THE FOLLOWING VALUES CAN BE SET FOR PARAMETERS,
FOR EXAMPLE:**

- Speed
- longitudinal/lateral acceleration
- steering angle
- engine speed
- engine oil/tyre temperature

Based on the analysis, you can check and optimise driving characteristics for any position on the track.

EXPORTING TRACKS (USB)

- ▶ Select [Tracks](#).
- An overview of all saved tracks appears.

- ▶ Select the desired track.
- ▶ Select options of the desired track.
- ▶ Select [Export track to....](#)

The selected track can be exported to a USB storage device connected to the vehicle.

EDITING TRACKS AND RECORDINGS

- ▶ Select [Tracks](#).
- ▶ Select the desired track.
- ▶ Select options of the desired track.
- ▶ Select [Rename](#) or [Delete](#).

or

- ▶ Select a track.
- ▶ Highlight the desired recording.
- ▶ Select options.
- ▶ Select [Exporting to...](#) or [Delete](#).



Setting Drag Race

Multimedia system:

TRACK PACE **Drag Race**

MEASURING ACCELERATION

- ▶ Select **Drag race options**.
- ▶ Select **Acceleration**.
- ▶ Set a starting speed or select **Automatic**.
Measurement begins as soon as the specified starting speed has been reached.
- ▶ Set a target speed.
Measurement stops as soon as the specified target speed has been reached.
- ▶ Start off and begin the measurement.
Measurement begins when the vehicle accelerates.

Measurement can be stopped early by interrupting the acceleration procedure.

QUARTER MILE RACE

- ▶ Select **Drag race options**.
- ▶ Select **Quarter-mile**.
- ▶ Set a target distance.
Measurement stops as soon as the specified target distance has been reached.

- ▶ Start off and begin the measurement.

Measurement begins when the vehicle accelerates. Timing runs until the target distance or a maximum of one mile has been travelled.

Measurement can be stopped early by interrupting the acceleration procedure.

MEASURING BRAKING

- ▶ **Drag Race options**
- ▶ Select **Braking**.
- ▶ Set a starting speed or select **Automatic**.
- ▶ Start off and begin the measurement.
- ▶ Brake to a stop.
Measurement is incremental, in steps of 10 km/h to a stop. If the braking procedure is started e.g. at a speed of 157 km/h, measurement starts as soon as 150 km/h has been reached.

STORING AND CALLING UP MEASURED VALUES

If measurement is completed or cancelled, a prompt appears asking whether the measurement should be saved.

- ▶ Confirm the prompt with **OK** to save.

CALLING UP SAVED MEASUREMENTS

- ▶ Select **History**.
- ▶ Select **Acceleration**, **Quarter-mile** or **Braking**.
- ▶ Select a measurement.
The desired measurement is displayed in detail.

or

- ▶ Delete a measurement.



Calling up the telemetry display

Multimedia system:



The telemetry display shows current vehicle data as a digital value and as a diagram. Up to four parameters can be selected that are to be shown in the display.

FOR EXAMPLE:

- engine speed
 - Wheel angle
 - Speed
 - steering angle
- Set the desired parameters.
- Set the time.
The set parameters are evaluated in the diagram for the time set.

Configuring AMG TRACK PACE

Requirements:

To connect a mobile device to the TRACK PACE app:

- The TRACK PACE app is installed on the mobile device.
- The mobile device is connected to the multimedia system via Wi-Fi
(→ page 497).

Multimedia system:



CONNECTING A MOBILE DEVICE VIA THE TRACK PACE APP

The TRACK PACE app makes it possible to record videos and to synchronise them with stored circuits.

- Select **TRACK PACE App**.
- Select **Authorise new device**.
- Start the TRACK PACE app on the device to be connected.
- Select **Continue** and confirm the authorisation prompt.
A four-digit code is shown on the media display.
- Enter the code on the smartphone.
The device is authorised.

DE-AUTHORISING THE MOBILE DEVICE

- Select **TRACK PACE App**.
- Select a device.
- Confirm the prompt with **Yes**.
The device is de-authorised.

SETTING THE TRACK PACE READOUT ON THE HEAD-UP DISPLAY AND DRIVER DISPLAY

- Select **IC and HUD contents**.
- Activate or deactivate the desired contents.
The content on the head-up display and driver display is adjusted.



ⓘ Further information on the head-up display (→ page 449).

ⓘ Further information on the driver display (→ page 432).

SETTING ACOUSTIC FEEDBACK

- ▶ Select [Acoustic feedback](#).

A scale with values from 0 to 10 is shown.

- ▶ Select a setting.

SHOWING STATISTICS

- ▶ Select [TRACK PACE statistics](#).

Statistics on the current user profile are displayed.

THE FOLLOWING DATA ARE DISPLAYED:

- Driving time
- Distance driven
- Tracks recorded
- Track races recorded
- Laps recorded
- Drag races recorded
- Maximum speed

ACTIVATING THE AMBIENT LIGHTING

If this function is active, the vehicle interior is lit in red or green depending on the delta time.

- ▶ Select [Ambient light](#).
- ▶ Activate or deactivate the function.

SETTING THE DASHCAM

If the vehicle is equipped with a dashcam, it can be used in AMG TRACK PACE.

- ▶ Select [Dashcam](#).
- ▶ Select [Track Race](#) or [Drag Race](#) and activate [Activate recording](#).
- ▶ You can set which overlay is to be used in the recorded video under [Video overlay contents](#).





< Plug-in hybrid settings

Configuring the charging settings

Multimedia system:



SETTING THE CHARGING PROGRAM

- ▶ Select [Home](#), [Work](#) or [Standard](#).

 The standard charging program is automatically activated when the vehicle has been switched on.

UNLOCKING THE CHARGING CABLE (MODE 3 OR 4)

When the function is active, the charging cable is unlocked when the maximum state of charge is reached.

- ▶ Select [Home](#) or [Work](#).
- ▶ Activate or deactivate [Unlock charging cable](#).

ACTIVATING OR DEACTIVATING LOCATION-BASED CHARGING

- ▶ Select [Charging program, home](#) or [Charging program, work](#).
- ▶ Activate or deactivate [Select based on location](#).

When the function is activated, the vehicle's current position is saved as one of the selected options. When arriving at this address again, a brief prompt appears as to whether the respective charging program should be selected.

SETTING THE MAXIMUM STATE OF CHARGE

- ▶ Select [Maximum charge state](#).

- ▶ Set the desired percentage.

The high-voltage battery is charged up to the set percentage as a maximum.

 The percentage can be set in increments of 10 %.

 As soon as the maximum state of charge is reached, a notification is shown on the media display that the charging process is complete and the journey may be continued. The maximum state of charge can be saved in the Home and Work charging programs. In the Standard charging program, the setting is automatically reset to a state of charge of 100% after the vehicle is switched on.

SETTING THE DEPARTURE TIME

 The departure times cannot be set for individual charging programs.

The set departure times are used for pre-entry climate control of the vehicle.

- ▶ Select [Next departure time](#).



THE FOLLOWING CHARGING TIMES CAN BE SELECTED:

- individual charging times
- a [Week profile](#)

SETTING AN INDIVIDUAL DEPARTURE TIME

- ▶ Select [Add new time](#) and set the desired departure time.
- or
- ▶ Select  and adjust an existing departure time.

SETTING REPEAT DAYS

- ▶ Select [Add new time](#) and set the desired departure time.
- ▶ Mark the relevant weekdays for which the departure time will apply and confirm with .
- or
- ▶ Select  and edit existing repeat days.

Overview of the energy flow display in the multimedia system

The active components of the hybrid system are highlighted on the energy flow display. The energy flow between the individual components is shown in colour.

THE COMPONENTS DISPLAYED ARE:

- State of charge of the high-voltage battery
- Combustion engine
- Energy flow

- High-voltage battery

THE ENERGY FLOW IS SHOWN IN DIFFERENT COLOURS DEPENDING ON THE OPERATING STATUS:

- **White:** constant energy flow
- **Red:** high energy flow (boost effect)
- **Green:** low-emission energy flow in the case of recuperation, electric mode and charging the high-voltage battery

Calling up the energy flow display

Multimedia system:



- ▶ Select [Energy flow](#).

The energy flow in the vehicle will be displayed.

Information on the status of the hybrid system and the current state of charge of the high-voltage battery will be displayed in addition to the energy flow.





< Fit & Healthy

Setting ENERGIZING seat kinetics

Requirements:

- These functions are available only for fully electric seats with a memory function.

Multimedia system:



- ▶ Select [Seat kinetics](#).

ENERGIZING seat kinetics can support back health by changing the seat position during a journey. This involves repeatedly stressing and relieving the muscles and joints by means of minor movements of the cushion and backrest.

STARTING SEAT KINETICS

- ▶ Select for the desired seat.
The programme will run for the set duration.

CONFIGURING SEAT KINETICS

- ▶ Select for the desired seat.
- ▶ Select [Backrest](#), [Backrest & seat surface](#) or [Seat surface](#).
- ▶ Select the desired duration for the selected seat.

ENERGIZING COMFORT

OVERVIEW OF ENERGIZING COMFORT PROGRAMMES

- Note that the available programmes and the associated functions depend on your vehicle equipment. Depending on your equipment, fewer functions may be available.

PROGRAMME OVERVIEW

- **Refresh:** Can have a refreshing effect with short, cool puffs of air. The seat is ventilated, the vehicle interior is illuminated with cool colours and the programme is completed with appropriate sound.
- **Warmth:** Can increase the comfort level of the vehicle occupants. Seat, surface and steering wheel heater provide soothing warmth. The programme is completed with unobtrusive sound and warm colours.
- **Vitality:** Can counteract diminishing attentiveness in monotonous driving situations. The activating stimulation of the vehicle occupants is carried out with invigorating sound, activating light and a vitalising movement.
- **Joy:** Can promote a positive mood in the vehicle occupants as well as mental regeneration. This results from the activation of a massage programme, friendly sound and illumination with suitable colours.
- **Well-being:** Can help relax the vehicle occupants. This is achieved through a relaxing massage programme, friendly light and calming sound.





- **Forest Glade:** Can have a calming and soothing effect on the vehicle occupants thanks to the acoustics of the forest. The ambience is supported by a suitable animation, colours and sound.
- **Sounds of the Sea:** Can contribute to calming the vehicle occupants. The acoustics of wave sounds and seagulls in combination with other vehicle functions create a relaxing seashore atmosphere.
- **Summer Rain:** Can help relax the vehicle occupants. The relaxing effect of a rain shower can be experienced via acoustics and other vehicle functions inside the vehicle.
- **Power Nap:** The programme consists of three phases.
 - Falling asleep phase: here relaxing music is played and the air is purified by ionisation.
 - Sleeping phase: the active functions are deactivated or restricted as much as possible.
 - Waking phase: slightly stimulating music is played and the air is purified by ionisation. Additionally, functions such as fragrancing, seat ventilation and a massage programme are activated.
- **Training:** Can counteract the onset of muscle tension, limbs falling asleep or stress with targeted relaxation or stimulation exercises. The exercises are demonstrated in short videos.
The training consists of audio content and a brief animation. The audio content is conceived so that it can also be played back when you are driving. Animations are only shown when the vehicle is stationary. Always observe the traffic conditions if you are training when driving.
- **Tips:** The system gives auditory tips for possible exercises or measures for improving the comfort level of the vehicle occupants. By selecting the desired area of the body you can receive targeted tips for the comfort level of this area.

Most programmes that have been started for one seat can also be transferred simultaneously to another seat.

STARTING THE ENERGIZING COMFORT PROGRAMME

WARNING

Increased risk of accident when using the ENERGIZING COMFORT programmes [Tips](#) and [Training](#)

The ENERGIZING COMFORT programmes [Tips](#) and [Training](#) can distract you while driving.

- ▶ Only carry out exercises when the traffic situation permits.
- ▶ When listening to the tips, make sure that you are aware of the traffic situation around you at all times.

WARNING

Risk of becoming trapped when using the ENERGIZING COMFORT programme [Power Nap](#)

The following systems may be automatically moved when using the ENERGIZING COMFORT programme [Power Nap](#):

- Side windows
- Sliding sunroof
- Roller sunblinds

As a result you or other vehicle occupants may become entrapped.

- ▶ Make sure that there is sufficient space behind the front seats.
- ▶ Make sure that no body parts are in the area of movement.





Requirements:

- The vehicle is switched on.

FOR THE START OF POWER NAP:

- Only the power supply is on.
- The doors are closed.
- The vehicle is secured against rolling away.
- The state of charge of the high-voltage battery is sufficient for the use of the auxiliary climate control.

Multimedia system:

   Comfort  ENERGIZING COMFORT

STARTING AND STOPPING A PROGRAMME

- Select a programme.
- Select  for the desired seat.
- Select  to stop the programme.

i If, during an active programme, a function requirement is no longer met, a corresponding message appears. The active programme is cancelled.

CONFIGURING A PROGRAMME

- Select a programme.
- Select [Settings](#).
- Switch the functions included in the programme on or off.

SETTING THE DURATION

- Select a programme.
- Select [Settings](#).
- Select the desired duration.

STARTING A POWER NAP

- Select [Power Nap](#).
- Select  for the desired seat.

WHEN THE VEHICLE IS STATIONARY, THE FOLLOWING ACTIONS ARE CARRIED OUT WHEN POWER NAP IS STARTED:

- The roller sunblinds are extended.
- The doors are locked.
- The parking brake is applied.

Select  to stop the programme.

STARTING THE TRAINING PROGRAMME

- Select [Training](#).
- Select  a programme .
- To activate fragrancing for training:** select [Air freshener](#).
- Select  to stop the training programme.

i The animations demonstrating the exercises are faded out when the vehicle is in motion and you only hear the instructions.





STARTING TIPS

- ▶ Select [Tips](#).
- ▶ Select  an area of the body.
- ▶ Select  to stop playback of the tip.

ENERGIZING COACH

FUNCTION OF THE ENERGIZING COACH

REQUIREMENTS:

- The [ENERGIZING COACH](#) service is activated in the Mercedes me portal or the Mercedes me App.
- The Mercedes me ENERGIZING app is installed on the mobile phone to use the service.

With ENERGIZING COACH you can evaluate the driving and driver situation. Depending on the situation, it offers recommendations for the start of an appropriate ENERGIZING COMFORT programme.

THE FOLLOWING PROGRAMMES COULD BE SUGGESTED:

- [Vitality](#)
As an activating programme in monotonous driving situations or for long journey times, for example
Information on the vitality program see ([→ page 512](#)).
- [Joy](#)
As a balancing programme in demanding driving situations
Information on the Joy programme see ([→ page 512](#)).
- [Refresh](#)

As a refreshing programme when temperatures rise

Information on the Refresh programme; see ([→ page 512](#)).

- [Warmth](#)

As a warming programme when temperatures drop

Information on the Warmth programme; see ([→ page 512](#)).

By connecting a Garmin fitness tracker, for example the Garmin vívoactive® 3, additional information can be entered into the evaluation for the recommendation of an ENERGIZING COMFORT programme. The additional information includes the stress level, that is calculated by the fitness tracker. The stress level is based primarily on the pulse rate.

REQUIREMENTS FOR THE INTEGRATION OF ADDITIONAL INFORMATION VIA A GARMIN FITNESS TRACKER:

- Your fitness tracker is connected with your Garmin account.
- Your Garmin account is connected with your Mercedes me user account.

If you wear your Garmin fitness tracker at night also, the sleep data is included in the evaluation of the ENERGIZING COACH.

REQUIREMENT FOR THE INTEGRATION OF THE SLEEP DATA:

- The Garmin fitness tracker is synchronised with the Garmin account before the beginning of the journey.

CALLING UP THE ENERGIZING COACH DISPLAY

Requirements:

- The fitness tracker is connected with your Garmin account.
- Your Garmin account is connected with your Mercedes me user account in the Mercedes me ENERGIZING app.



- The mobile phone is connected to the multimedia system (→ page 553).
- You are logged in with your Mercedes me profile both in the vehicle and in the Mercedes me ENERGIZING app.

Multimedia system:

  Apps ► ENERGIZING COACH

- Your current pulse as well as an evaluation of your pulse for the last 30 minutes driving time are shown.
A corresponding fault message is shown if there is no mobile phone connected or no pulse can be sent to the system for an extended period.

 Only pulse values which fall into the range from 30 - 140 (possibly also 150) bpm will be shown on the media display. The pulse values have no medical validity but are only informative in nature and are therefore also not required to be accurate.





< Navigation and traffic

Switching navigation on

Multimedia system:



- ▶ Alternatively, switch on the MBUX voice assistant (→ page 460).
- ▶ Switch to navigation.

The map appears.

Navigation overview

DIGITAL MAP



- ① Navigation module (reduced view)

Route guidance active:

The navigation module shows the information relevant to the route in the zoomed-out view, e.g. the destination or a traffic delay

Ends the current route guidance

Tapping opens the navigation module and displays the route overview (→ page 527)

- ② Sets map orientation and map type
- ③ Calls up the telephone menu
- ④ Current vehicle position (vehicle symbol or arrow)
- ⑤ Calls up entertainment applications
- ⑥ Elevation and map scale (→ page 544)
- ⑦ Navigation window shows the next manoeuvre (zoomed out view) or the route monitor (zoomed in view)

Route guidance active: route monitor shows, e.g. route sections, upcoming driving manoeuvres with lane recommendations, traffic delays, 3D images at motorway exits, online content

PRESSING ② SEVERAL TIMES CHANGES THE MAP ORIENTATION IN THIS ORDER:

- 2D and to the north
- 2D and in the direction of travel
- 3D and in the direction of travel
- Map with complete route





-  If the map is moved, the map switches between 3D direction of travel and 2D north orientation.

THE FOLLOWING MAP TYPES ARE AVAILABLE:

- Daytime display
- Night-time display
- Satellite map

-  If you notice a problem with the digital map, you can report it at <https://mapfeedback.here.com/#/report>.

You can watch an animation on this topic via the following link:

You can watch an animation on this topic via the following link:

You can watch an animation on this topic via the following link:

Destination entry

NOTES ON DESTINATION ENTRY

WARNING

Risk of distraction from operating integrated communication equipment while the vehicle is in motion

If you operate communication equipment integrated in the vehicle when driving, you could be distracted from the traffic situation. This could also cause you to lose control of the vehicle.

- ▶ Only operate this equipment when the traffic situation permits.
- ▶ If you cannot be sure of this, stop the vehicle whilst paying attention to road and traffic conditions and operate the equipment with the vehicle stationary.

You must observe the legal requirements for the country in which you are currently driving when operating the multimedia system.

ENTERING A POI OR ADDRESS

Requirements:

- **For the online search:**
 - There is an Internet connection.
 - Mercedes-Benz Connect is available.
 - You have created a Mercedes me ID in the Mercedes-Benz Portal.
 - The vehicle is linked to the Mercedes me ID and you have accepted the terms of use.
 - Further information can be found at: <https://www.mercedes.me>

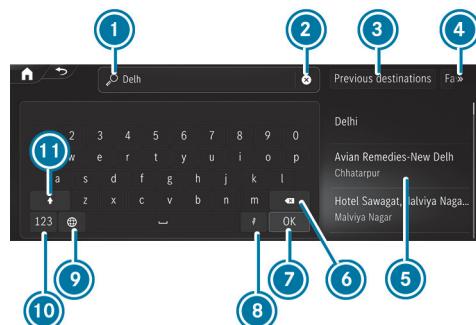




- The Digital Extra is available.
- The Digital Extra has been activated at a Mercedes-Benz service centre.

i If Online Search is not available, the search is performed using the data of the digital map.

Multimedia system:



Example: entering a POI or address

- ① Input line with current entry
- ② Deletes an entry
- ③ Selects previous destinations
- ④ Displays and selects additional destination searches
- ⑤ Search result
- ⑥ Deletes the last character entered
- ⑦ Hides the keypad
- ⑧ Switches to handwriting recognition (→ page 492)

- ⑨ Sets the written language
- ⑩ Switches to digits, special characters and symbols
- ⑪ Switches to upper-case or lower-case letters

If available, selecting the symbol starts the MBUX Voice Assistant.

i Observe the notes on destination entry (→ page 518).

- ▶ Enter a destination. The entries can be made in any order.
The search results are displayed in a list.

i Online search results for POIs may contain additional information, for example opening times and ratings. The information is provided by an online map service.
This online function is not available in all countries.

THE FOLLOWING ENTRIES CAN BE MADE, FOR EXAMPLE IN ①:

- Town, street, house number or street, town
- Postcode
- POI name or POI category, e.g. **Restaurants**
- Town, POI name
- Contact name
- Geo-coordinates (→ page 522)

- ▶ Hide the keyboard with **OK**.



- ▶ Select the destination in the list.

The following menu shows the selected destination with the address information and a corresponding map section.

The menu enables the route to be calculated.

SELECTING A DESTINATION SUGGESTION

Requirements:

- The [Allow destination suggestions](#) option is switched on (→ page 499).
- The multimedia system has gathered sufficient data in order to show destination suggestions.

Multimedia system:



- ▶ Select [Suggestions](#).

The route is calculated in the following menu.

i If [Suggestions](#) has been selected, a menu is available via . The menu offers settings for the suggestions and memory functions.

i Managing destination suggestions (→ page 538).

SELECTING PREVIOUS DESTINATIONS

Multimedia system:



- ▶ Select [Previous destinations](#).

- ▶ Select the destination.

The following menu enables the route to be calculated.

i You can save a destination as a favourite (→ page 537).

SELECTING A POI

Requirements:

- **For use of personal POIs:** a USB device is connected with the multimedia system.
- Personal POIs with the GPS Exchange format (.gpx) have been saved in the PersonalPOI folder on the USB device.

Multimedia system:



- ▶ Select [POIs](#).

- ▶ Select one of the displayed quick-access categories, e.g. .

- ▶ Select the POI.

The following menu enables the route to be calculated.

or

- ▶ Select [All categories](#) or [Personal POIs](#) (see requirements).

- ▶ Select the category.

- ▶ Select the POI.

The following menu enables the route to be calculated.





SETTING A SEARCH FILTER AFTER SELECTING A POI CATEGORY

THE PRESET SEARCH POSITION DEPENDS ON THE STATUS OF THE ROUTE GUIDANCE:

- If route guidance is not active, [In the vicinity](#) is searched.
 - If route guidance is active, [Along the route](#) is searched.
- When the search results are displayed, select [Filter](#).
- Select the search position, e.g. [In the vicinity](#).
- If a route with intermediate destinations already exists and [Near destination](#) has been selected in the search filters, the destination is selected for the search.

or

- Select the desired travelling time to the point of interest.
- Select [Search results](#).

CONFIGURING CATEGORIES FOR QUICK ACCESS

THE CATEGORIES ARE DISPLAYED:

- As symbols after calling up the destination entry via 
 - As a list after calling up [All categories](#)
- In the POI menu, select [All categories](#).
- Select  or  for a category.
Tapping on  adds the category.
Tapping on  removes the category.

- Use  to change back.

The new categories are shown after the destination entry is called up the next time.

-  If all available quick-access positions are full, select the category to be replaced.

CHANGING THE ORDER OF QUICK-ACCESS CATEGORIES

- In the POI menu, press and hold a category for quick access.
- Tap on the arrows next to the selected category.
The arrows for the other categories are greyed out.
- Drag the category up or down.
- Select .

DELETING QUICK-ACCESS CATEGORIES

- In the POI menu, press and hold a category for quick access.
- Select  for the chosen category.
- Select [Delete](#).
- Select .

CHANGING CATEGORIES FOR PERSONAL POIS

- Select [Personal POIs](#).
- Press on a category as long as is necessary until a menu appears.
- Select [Change name](#) and enter a name.
- Select [Change icon](#) and select a symbol.





- ▶ Select **Delete** and confirm the prompt with **Yes**.

SELECTING A CONTACT FOR DESTINATION ENTRY

Requirements:

- A mobile phone is connected to the multimedia system (→ page 553).
- The contacts from the mobile phone have been downloaded.
- The contact has a navigable address.
- The address data can be located on the digital map.

Multimedia system:



- ▶ Enter a contact in the entry line.
 - ▶ Select the address.
- The following menu enables the route to be calculated.

 Alternatively, after calling up the destination entry, you can enter the name of a contact in the search field.

ENTERING GEO-CORDINATES

Multimedia system:



- ▶ Enter the geo-coordinates as latitude and longitude.

EXAMPLES OF INPUT FORMATS:

- 47°58'11"N 7°57'25"E (degrees, minutes and seconds)
- 47.969722 7.956944 (decimal degrees)

- ▶ Confirm the entry.

The following menu enables the route to be calculated.

SELECTING A DESTINATION ON THE MAP

Multimedia system:



- ▶ If necessary, move the map (→ page 543).
 - ▶ Press and hold on the map.
- Available destinations are displayed.

or

- ▶ Briefly press on a POI symbol.
- The POI is selected. If there are several POIs at this map position, a list appears.
- ▶ Select the destination in the **Selected objects** list.
- The following menu enables the route to be calculated.

SELECTING A DESTINATION FROM FAVOURITES

Requirements:

- Destinations are saved as favourites.
- Save a previous destination or a destination suggestion as a favourite (→ page 537).

Multimedia system:



- ▶ Select **Favourites**.
- ▶ Select a favourite.

The route is calculated in the following menu.





ADDRESSES FOR HOME AND WORK ARE ALREADY SET

- ▶ Select [Home](#) or [Work](#).

The following menu enables the route to be calculated.

ADDRESSES FOR HOME AND WORK ARE NOT YET SET

- ▶ Select [Home](#) or [Work](#).

The prompt [No "Home" address available. Set address now?](#) appears, for example.

- ▶ Select [Yes](#).
- ▶ Search for or select the address.
- ▶ Select [Save](#).

DELETING FAVOURITES

- ▶ Select  for a favourite.
- ▶ Select [Delete](#).

or

- ▶ Select [Delete all](#).
- ▶ Confirm the prompt.
When all the favourites have been deleted, [Add favourite](#) is available, for example.

SELECTING RECEIVED DESTINATIONS

Requirements:

- There is an Internet connection for receiving external destinations.
- A destination has been sent to the vehicle.
- Destinations have been shared from another seat in the vehicle.

Multimedia system:



The vehicle can receive destinations from services or apps. You will be informed when a destination is received.

- ▶ Select [Received destinations](#).

- ▶ Select a destination.

The route is calculated in the following menu.

 You can save a received destination in the favourites
(→ page 537).

DELETING RECEIVED DESTINATIONS

- ▶ Delete a destination with .

or

- ▶ Select [Delete all](#).





Route

CALCULATING A ROUTE



Example: detailed display

- ① Saves a destination as a favourite
- ② Adds the chosen destination to the existing destinations as the next intermediate destination and recalculates the route
- ③ Calculates a new route to the chosen destination
- ④ Selects a point of interest in the vicinity of the destination
- ⑤ Destination address

The detailed display can contain additional entries such as online content

After selection of a destination the route is calculated.

- ▶ Select one of the options.

SAVING A DESTINATION AS A FAVOURITE

- ▶ Select **Favourite**.
- ▶ Select an option.

ADDING AN INTERMEDIATE DESTINATION TO THE EXISTING ROUTE OR STARTING A NEW ROUTE GUIDANCE

Example: detailed display: a route already exists. A new destination has been entered.

i If there is no route yet, start route guidance with **Let's go!**

- ▶ Select **Add**.

The selected destination address is set as the next intermediate destination. Route guidance begins.

- ▶ **There are already four intermediate destinations:** confirm the prompt with **Yes** and select an intermediate destinations in the route overview (→ page 527), that should be overwritten with the new intermediate destination.

or

- ▶ Select **Replace**.
- ▶ Select a route (→ page 529).

i **IF YOU CALL UP THE MENU DURING ROUTE GUIDANCE, MORE OPTIONS ARE AVAILABLE:**

- To change the order of destinations, select **Move** (→ page 528).
- To delete the destination, select **Delete** (→ page 528).
- To cancel route guidance, select **Cancel route guidance**.

CALLING UP THE DETAILED DISPLAY WITH DESTINATION ADDRESS

- ▶ Pull the bar between ② and ③ upwards.

Depending on the destination selection and availability, online content, for example ratings and weather information, is shown.

If the destination is in a different time zone, a message is displayed.



- ▶ **To share a destination:** select  Share.

This option allows you to scan the displayed QR code.

- ▶ **To call up an Internet address:** if a web address is available, select [www.](#)

- ▶ **To call the destination:** if a telephone number is available, select [Call](#).

SEARCHING FOR POIS IN THE VICINITY OF THE DESTINATION SHOWN

- ▶ Select [In the vicinity](#).
- ▶ Search using categories, enter a search entry or search for a personal POI (→ page 520).

OVERVIEW OF THE RANGE DISPLAY SERVICE (PLUG-IN HYBRID)

THE FUNCTION IS AVAILABLE UNDER THE FOLLOWING CONDITIONS:

- The chargeable "Range on Map" service is available and activated in the Mercedes me Portal.
- The [Range](#) option is switched on (→ page 548).

The fuel range (purple) and the electric range (white) are shown on the map as a closed line around the current vehicle position.

IN THE FOLLOWING CASES, THERE IS NO DISPLAY ON THE MAP:

- The overall range is very large.
- If the fuel level is less than 10 %.
- If the electric range of the vehicle is less than 6 km.

SELECTING A ROUTE TYPE

Multimedia system:



USING TRAILER MODE AND ONLINE ROUTES

The route is calculated as a fast route with a short journey time.

Trailer mode is available if a trailer has been coupled with the vehicle. If available, you can select online routes.

 Trailer mode and online routes are not available in all countries and for all vehicles.

- ▶ Select [Trailer mode](#).
A prompt is shown in the multimedia system.
- ▶ Confirm the prompt.
The arrival time at the destination takes into account a reduced driving speed with trailer.
- ▶ **To use online routes:** switch on the option.

TAKING TRAFFIC INFORMATION FOR THE ROUTE INTO ACCOUNT

- ▶ Select [Dynamic route guidance](#) .
- ▶ Select one of the options.

EXPLANATION OF THE OPTIONS:

- [Automatic](#)
Traffic reports via Live Traffic Information are taken into account (→ page 538).
- [After asking](#)





A prompt appears when a new route is detected with a shorter journey time based on traffic reports. You can continue to use the current route or use the dynamic route instead (→ page 526).

- **Off**

No traffic reports are taken into account for the route.

CALCULATING ALTERNATIVE ROUTES

Multimedia system:

- ▶ Activate [Overview of route after start](#).

Alternative routes are calculated for every route.

ACCEPTING A DETOUR RECOMMENDATION AFTER A PROMPT

Requirements:

- [After asking](#) is switched on (→ page 525) in the [Dynamic route guidance](#) menu.
- Route guidance is active.
- There are traffic reports for the current route.

If a new route with a shorter driving time is determined, the current and new routes will be shown.

If another application is active, a notification is hidden.

- ▶ Confirm the notification.
- ▶ **To accept the new route:** select [Accept](#).
- ▶ **To maintain the current route:** select [Keep to current route](#).

SELECTING ROUTE OPTIONS

Multimedia system:

AVOIDING OR USING ROUTE SECTIONS, E.G. MOTORWAYS OR FERRIES

- ▶ Activate or deactivate the avoid option.

Avoid: the option is activated. The route avoids motorways, for example.

Use: the option is deactivated. The route takes motorways into consideration, for example.

i The selected route options cannot always be taken into account. Therefore, a route may include a ferry, for instance, even though the [Avoid ferries](#) avoid option is enabled. A message then appears and you will hear a corresponding message.

AVOIDING OR USING TOLL ROADS

The use of toll roads requires a usage fee (toll).

- ▶ Select [Toll roads](#) .
- ▶ Activate or deactivate [Avoid all](#).

If the option is activated, the route avoids toll roads.

If the option is deactivated, the route takes toll roads into account.

or

- ▶ Select an option for [Payment by cash or card](#) or [Electronic billing](#).

Avoid: the route avoids toll roads with the selected method of payment.

Use: the route takes into account roads that require a toll corresponding with the payment type selected.

These route options are not available in every country.





AVOIDING AREAS

- ▶ Select [Avoid areas](#)  (→ page 545).

SELECTING NOTIFICATIONS FOR THE ROUTE

Requirements:

- **For an audible indication when approaching a personal POI:** the USB device contains personal POIs.
- The USB device is connected with the multimedia system.
- The category in which the personal POI belongs is activated.

Multimedia system:



SWITCHING NAVIGATION ANNOUNCEMENTS ON OR OFF

- ▶ Activate [Reduced messages](#).

If a driving instruction is available for a simple change in direction, you hear a brief announcement, e.g. "turn right in 200 m". The number of driving instructions along the route is minimised.

- ▶ Activate [Detailed messages](#).

If a driving instruction is available and there is a complex driving situation, you hear supplementary information, e.g. "In 200 m turn right and continue to follow the major road". Additional driving instructions are issued for the route, for example on turning major roads.

- ▶ Activate [Announce street names](#).

The name of the street into which the vehicle should turn is announced.

 This option is not available in all countries and languages.

SWITCHING HAZARD WARNINGS ON OR OFF

- ▶ Select [Warnings](#).

- ▶ Switch the options on or off.

THE FOLLOWING OPTIONS ARE AVAILABLE:

- Merging points
- Bends
- Schools

AUDIBLE INDICATION WHEN APPROACHING A PERSONAL POI

- ▶ Select [Personal POIs](#).

- ▶ Activate a category.

When approaching a personal POI in the selected category an audible indication will be issued.

DISPLAYING A ROUTE OVERVIEW

Requirements:

- A destination is entered.





Multimedia system:

→ Navigation



Example: route guidance is active

- ① Enters an address or POI
 - ② Destination and time of arrival
beneath that the current distance to the destination and the chequered flag
 - ③ Alternative routes
 - ④ Searches for parking
 - ⑤ Switches traffic information display on or off
 - ⑥ Makes settings for [View](#), [Messages & tones](#) and [Route](#)
- When route guidance is active, the destination and entered intermediate destinations are shown.

DEPENDING ON THE ROUTE, TRAFFIC SITUATION AND AVAILABLE DATA, FURTHER INFORMATION IS DISPLAYED:

- Name, destination address
- Symbols for intermediate destination and destination
- Phone number (if available)
- Web address (if available)
- Traffic information

The route can include up to four intermediate destinations.

- ▶ Select one of the options.

PLANNING ROUTES

Multimedia system:

→

- ▶ Enter the intermediate destination (→ page 50).

After entering the destination and new calculation of the route, the route overview is shown again. The route contains a new intermediate destination.

- ⓘ If there are already four intermediate destinations, delete an intermediate destination (→ page 528).

EDITING A ROUTE WITH INTERMEDIATE DESTINATIONS

Requirements:

- The destination and at least one intermediate destination have been entered.

Multimedia system:

→

CHANGING THE ORDER OF THE DESTINATIONS

- ▶ In the route overview, press and hold on a destination.
- ▶ Move the destination with or .
- ▶ Tap on .

The editing mode is ended.





DELETING A DESTINATION

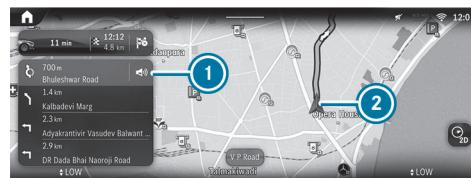
- ▶ In the route overview, press and hold on a destination.
 - ▶ Tap on .
- The editing mode is ended.

DISPLAYING THE ROUTE LIST

Multimedia system:



- ▶ Tap on navigation window ⑦ on the digital map (→ page 517).



Example: route list

- ① Upcoming manoeuvre with turning arrow, distance to manoeuvre, street number, street name
 - Switches on navigation announcements
 - Switches off navigation announcements
- Including the following route sections on the route to the destination
- ② Current vehicle position

The route sections are displayed in the navigation window. The route list is updated during the journey.

- ① Motorway information shows the available service facilities. After selecting symbols, e.g. for car parks, service areas or motorway

exits, the POI is adopted as an intermediate destination or destination.

- ▶ Press the arrow at the bottom of the navigation window briefly.
- ▶ Swipe up or down.
- ▶ Select a route section.
The map section is displayed.
- ▶ **To return to vehicle position:** select [Current position](#).

SELECTING AN ALTERNATIVE ROUTE

Requirements:

- A route has already been created.
- The [Overview of route after start](#) option is switched on (→ page 526).

Multimedia system:



Example: alternative routes

- ① Original route is highlighted
- ② Alternative routes with indication of the difference in driving time



- i** In ② a faster route may also be shown that is considerably longer.

THE FOLLOWING ROUTE INFORMATION IS DISPLAYED:

- Driving time
- Time of arrival
- Distance to the destination
- Avoid options based on the set route options
- Driving time saved or lost compared with the original route

- ▶ When the alternative routes have been calculated, display the route in the navigation window by swiping to the right or left.

CHANGING ROUTE TYPE

- ▶ Select [Filter](#).
- ▶ Switching the route type on or off.

AVOIDING OR USING ROUTE OPTIONS

- ▶ Select [Filter](#).
- ▶ Switch the route options on or off (→ page 526).
- ▶ Confirm the settings with [Finished](#).

- ▶ **To start route guidance to the alternative route:** select [Start](#).

- ▶ **To select an alternative route on the map:** touch any point on the alternative route.

The alternative route is highlighted.

ACTIVATING A COMMUTER ROUTE

Requirements:

- You have created a profile (→ page 482).
- The [Allow destination suggestions](#) option is switched on (→ page 499).
- The [Commuter route](#) option is switched on .
- The multimedia system has gathered sufficient data in order to show destination suggestions.
- Routes have been learned for these destination suggestions.
- Route guidance is active.

- i** This commuter route is not available in all countries.

Multimedia system:



- ▶ Activate [Commuter route](#).

The navigation system automatically detects that the vehicle is on a commuter route.

For the daily commuter route, traffic incidents on the route are also reported when driving without active route guidance.

- ▶ **To select commuter route:** select [Start](#).

Route guidance begins without spoken driving instructions.

- i** A commuter route is suggested even with delays on the route.

- ▶ **To delete a commuter route:** select





SWITCHING THE AUTOMATIC FILLING STATION SEARCH ON OR OFF

Multimedia system:

- ▶ Select **Driving**.
- ▶ Activate or deactivate **Automatic filling station search**.

If **Automatic filling station search** is switched on, a notification appears in which the search for filling stations is started.

STARTING AN AUTOMATIC FILLING STATION SEARCH

Requirements:

- The automatic filling station search is activated (→ page 531).

DRIVING SITUATION

The fuel level in the fuel tank reaches the reserve fuel level.

The following notification is shown on the central display: **Fuel reserve Tap here to search for filling stations..**

- ▶ Confirm the notification.
The automatic filling station search begins. The available filling stations along the route or in the vicinity of the vehicle's current position are displayed.
- ▶ Select a filling station.
- ▶ Calculate the route with the filling station as an  intermediate destination or as a  destination (→ page 524).
- ▶ **If there are already four intermediate destinations:** select **Yes** in the prompt.
The selected filling station is entered in the route overview at position 1. Intermediate destination 4 is deleted. Route guidance begins.

STARTING THE AUTOMATIC SERVICE STATION SEARCH

Requirements

- ATTENTION ASSIST is activated (→ page 377).
- You are driving on a motorway.
- There are service stations along the route section ahead.

DRIVING SITUATION

The following notification is shown on the media display **ATTENTION ASSIST Tap here to search for rest areas..**

- ▶ Confirm the notification.
The service station search starts. The available service stations along the route or in the vicinity of the vehicle's current position are displayed.
- ▶ Select a service station.
- ▶ Calculate the route with the service station as an  intermediate destination or as a  destination (→ page 524).
- ▶ **If there are already four intermediate destinations:** select **Yes** in the prompt.
The selected service station is entered in the route overview at position 1. Intermediate destination 4 is deleted. Route guidance begins.

STARTING AND EDITING A STORED ROUTE

Requirements:

- A USB device with stored routes is connected with the multimedia system (→ page 592).
- The route is stored in the "Routes" folder with the GPS Exchange data format (.gpx).



Multimedia system:



- ▶ Press the double arrow in the destination input line until **Stored routes** is displayed.
- ▶ Select **Stored routes**.

STARTING A SAVED ROUTE

- ▶ Select a route.
- ▶ Select **Start: route guidance at start** or **Start: current location**.
Route guidance begins.

RENAMING A ROUTE

- ▶ Press on a route until a menu is shown.
- ▶ Select **Rename**.
- ▶ Enter the name.
- ▶ Select **OK**.

RECORDING AND STORING A ROUTE

Requirements:

- A USB device is connected with the multimedia system (→ page 592).

Multimedia system:



- ▶ Press the double arrow in the destination input line until **Stored routes** is displayed.
- ▶ Select **Stored routes**.

STARTING RECORDING

- ▶ Select **Start recording**.
A white rectangle is displayed.
The route is stored on the USB device.

STOPPING RECORDING

- ▶ Press the white rectangle.
- ▶ Select **End recording**.

Route guidance

NOTES ON ROUTE GUIDANCE

WARNING

Risk of distraction from operating integrated communication equipment while the vehicle is in motion

If you operate communication equipment integrated in the vehicle when driving, you could be distracted from the traffic situation. This could also cause you to lose control of the vehicle.

- ▶ Only operate this equipment when the traffic situation permits.
- ▶ If you cannot be sure of this, stop the vehicle whilst paying attention to road and traffic conditions and operate the equipment with the vehicle stationary.

You must observe the legal requirements for the country in which you are currently driving when operating the multimedia system.

Route guidance begins once a route has been calculated. The road and traffic rules and regulations always have priority over multimedia system driving





instructions. Driving instructions are, for example navigation announcements, changes in direction and lane recommendations.

Changes in direction and lane recommendations are shown in the navigation window.

THE FOLLOWING DISPLAYS AND FUNCTIONS ARE ALSO AVAILABLE IN THE NAVIGATION WINDOW, FOR EXAMPLE:

- Route list
- Destination information
- Traffic information, e.g. length of traffic jam, delay
- Motorway facilities
- Car park search

If you do not follow the driving instructions or if you leave the calculated route, a new route is calculated automatically.

If, for example, the route is diverted or the direction of a one-way road has been reversed, driving instructions may deviate from the actual traffic situation.

Alternatives may be offered during route guidance, e.g. before passing a motorway exit road. The additional driving time for the journey along the motorway exit is shown.

For this reason, you must always observe road and traffic rules and regulations during your journey as well as the prevailing traffic conditions.

The route can differ from the ideal route, for example in the event of roadworks or incomplete digital map data.

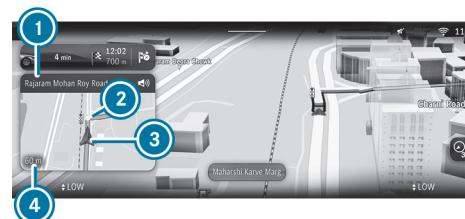
NOTES ON SATELLITE RECEPTION

The correct function of the navigation system depends amongst other things on reception of the satellite system used. In certain situations satellite reception can be impaired, malfunction or even not be possible, e.g. in tunnels or in multi-storey car parks.

CHANGING DIRECTION OVERVIEW

CHANGES OF DIRECTION ARE SHOWN IN THE FOLLOWING DISPLAYS:

- Detailed image of the junction
The display appears when you drive into a junction.
- 3D image
The display appears when driving on junction-free, multi-lane roads, for example at motorway exits and motorway interchanges.



Example: detailed image of the crossing with upcoming changes of direction

- ① Name of the street to turn into
- ② Manoeuvre point with turning manoeuvre
- ③ Current vehicle position
- ④ Current distance to the change of direction





Example: 3D image of the upcoming change of direction

- ① Blue highlighted route (also on the map)
- ② Current vehicle position
- ③ Current distance to the change of direction

THERE ARE THREE PHASES WHEN CHANGING DIRECTION:

- Preparation phase

If there is enough time between the changes of direction, the multimedia system prepares you for the upcoming change of direction. A navigation announcement is issued, e.g. "Prepare to turn right".

The navigation window shows: the direction information or the name of the road which is to be turned into as well as the distance to the change of direction.

- Announcement phase

The multimedia system announces the upcoming change of direction, e.g. by announcing "Turn right in 300 m".

When the **Auto zoom** map orientation is switched off (→ page 547), a detailed representation of the junction or a 3D image of the upcoming change in direction appears in the navigation window.

- Change-of-direction phase

The multimedia system announces the imminent change of direction, e.g. by announcing "Now turn right".

i Changes in direction are also displayed on the driver display and head-up display.

LANE RECOMMENDATIONS OVERVIEW



Example: lane recommendations

- ① Recommended lane (white arrow, blue background)
- ② Possible lane (white arrow)
- ③ Non-recommended lane (grey arrow)

This display appears for multi-lane roads.

If the digital map contains the relevant data, lane recommendations are displayed in the navigation window.

EXPLANATION OF THE DISPLAYED LANES:

- Recommended lane

In this lane, you will be able to complete both the next change of direction and the one after that.

- Possible lane

In this lane, you will only be able to complete the next change of direction.

- Non-recommended lane



In this lane, you will not be able to complete the next change of direction without changing lane.

During the change of direction, new lanes may be added. Bus lanes are also shown.

-  Lane recommendations are also displayed on the driver display and head-up display.

USING MOTORWAY INFORMATION

When driving on the motorway, upcoming motorway facilities and available service facilities are shown in the route list. These include car parks, service stations or motorway exits with service POIs, for example.

The entries are sorted according to increasing distance from the current vehicle position.

- ▶ Select an entry.
- ▶ If several service facilities are available, select a service facility from the list.
The destination address and the map position are shown.
- ▶ Calculate the route (→ page 524).

or

- ▶ Search for a POI in the vicinity.

or

- ▶ Use other functions, e.g. store the destination address of the service facility.

DESTINATION REACHED

Once the destination is reached, you will see the  chequered flag. Route guidance will now be complete. The navigation menu is shown.

When an intermediate destination has been reached, you will see the intermediate destination flag with the number of your  intermediate destination. Route guidance is continued.

SWITCHING NAVIGATION ANNOUNCEMENTS ON OR OFF

SWITCHING OFF

- ▶ During a navigation announcement, press the  button on the steering wheel or controller in the centre console.
The **Spoken driving recommendations have been deactivated.** message appears.

or

- ▶ In the route list for a driving manoeuvre select  (→ page 529).
The symbol changes to .

SWITCHING ON

- ▶ Press the button on the steering wheel or on the controller in the centre console again.

or

- ▶ In the navigation window, select  for an upcoming driving manoeuvre.
The current navigation announcement is played.
The symbol changes to .





SWITCHING NAVIGATION ANNOUNCEMENTS ON OR OFF DURING A PHONE CALL

- ▶ Press the  button on the steering wheel on the right.

or

- ▶ Tap on  in the media display.
- ▶ Select **Settings**.
- ▶ Select **System**.
- ▶ Select **Audio**.
- ▶ Select **Navigation & traffic announcements**.
- ▶ Activate or deactivate **Driving recommendations during call**.
- ▶ **To leave the menu:** select .

ADJUSTING THE VOLUME OF NAVIGATION ANNOUNCEMENTS

Multimedia system:

- ▶▶      **Settings**   **System**   **Audio**
- ▶  **Navigation & traffic announcements**
- ▶ Select **Driving recommendation vol..**
- ▶ Set the volume.
- ▶ **To leave the menu:** select .

ROUTE GUIDANCE IS ACTIVE

- ▶ During a navigation announcement, adjust the volume on the steering wheel or on the controller in the centre console (→ page 491).

SWITCHING AUDIO FADEOUT ON OR OFF DURING NAVIGATION ANNOUNCEMENTS

- ▶ Press the  button on the steering wheel on the right.

or

- ▶ Tap on  in the media display.
- ▶ Select **Settings**.
- ▶ Select **System**.
- ▶ Select **Audio**.
- ▶ Select **Navigation & traffic announcements**.
- ▶ Activate or deactivate **Audio fadeout during navigation announcements**.
- ▶ **To leave the menu:** select .

REPEATING NAVIGATION ANNOUNCEMENTS

Requirements:

- A route has already been created.
- Route guidance is active.

Multimedia system:

- ▶▶      **Navigation**
- ▶ In the navigation window, select  for an upcoming driving manoeuvre.
- ▶ Select .

The current navigation announcement is repeated.





CANCELLING ROUTE GUIDANCE

Requirements:

- A route has already been created.
- Route guidance is active.
- ▶ Show the navigation menu.
- ▶ Select  in the navigation menu (→ page 517).

OVERVIEW OF OFF-ROAD STATUS DURING ROUTE GUIDANCE

Due to roadworks, for example, there may be differences between the data on the digital map and the actual course of the road. In such cases, the multimedia system will temporarily be unable to locate the vehicle's current position on the digital map. The vehicle is off-road. [Road not mapped](#) will be shown. Route guidance may be restricted.

When the vehicle is back on a road known to the multimedia system, route guidance continues as normal.

Destination

SAVING THE CURRENT VEHICLE POSITION

Multimedia system:



- ▶ When the map is shown, tap on the  current vehicle position.
- ▶ Select [Store position](#).
- ▶ **To save as a favourite:** select [Save as favourite](#) .
- ▶ **To save as "Home" address:** select [Home](#) .

- ▶ **To save as "Work" address:** select [Work](#) .

MANAGING PREVIOUS DESTINATIONS

Multimedia system:



- ▶ Select [Previous destinations](#).
- ▶ Select  for the last destination.

SAVING THE LAST DESTINATION AS A FAVOURITE

- ▶ Press and hold on one of the previous destinations. A menu appears.
- ▶ **To save as a favourite:** select [Save as favourite](#) .
- ▶ **To save as "Home" address:** select [Home](#) .
- ▶ **To save as "Work" address:** select [Work](#) .

DELETING A PREVIOUS DESTINATION

- ▶ Select [Previous destinations](#).
- ▶ Select  for the last destination.
- ▶ Select [Delete](#).

or

- ▶ Select [Delete all](#).
 - ▶ Confirm the prompt.
- When all the favourites have been deleted, [Add favourite](#) is available, for example.





EDITING DESTINATION SUGGESTIONS

Requirements:

- The [Allow destination suggestions](#) option is switched on (→ page 499).
- For the display of destination suggestions: the multimedia system has gathered sufficient data.

Multimedia system:



- ▶ Select [Suggestions](#).
 - ▶ Press and hold on a destination suggestion.
A menu appears.
 - ▶ **To cancel a destination suggestion:** select [Do not suggest now](#) or [No longer suggest](#).
 - ▶ **To save a destination suggestion:** select [Save as favourite](#), [Home](#) or [Work](#).
- (i)** Delete a destination suggestion from the favourites
(→ page 522).

(i) Live Traffic Information is not available in all countries.

The Digital Extra updates the traffic situation at short, regular intervals via the internet connection.

Information on the vehicle's position is regularly sent to Mercedes-Benz AG. The data is immediately rendered anonymous by Mercedes-Benz AG and forwarded to the traffic data provider. Using this data, traffic reports relevant to the vehicle's position are sent to the vehicle. The vehicle acts as a sensor for the flow of traffic and helps to improve the quality of the traffic reports.

(i) There may be differences between the traffic reports received and the actual road and traffic conditions.

IF YOU DO NOT WANT TO TRANSMIT THE VEHICLE POSITION, YOU HAVE THE FOLLOWING OPTIONS:

- You can deactivate the Digital Extra in your Mercedes me ID.
- You can have the Digital Extra deactivated at a Mercedes-Benz service centre.

DISPLAYING TRAFFIC INFORMATION ON THE MAP

Requirements:

- Traffic incidents and Free-flowing traffic are switched on (→ page 540).

Multimedia system:



- ▶ If necessary, move the map (→ page 543).

Route guidance with current traffic reports

TRAFFIC INFORMATION OVERVIEW

Current traffic reports are received with the Live Traffic Information subscription service.



THE MAP SHOWS THE FOLLOWING TRAFFIC INFORMATION DEPENDING ON THE ACTIVATED SETTINGS:

- Traffic incidents

When route guidance is active, the symbols for traffic incidents will be shown in colour on the route. Off the route they are grey.

- Traffic flow information:

- Traffic jam (red line)
- Slow-moving traffic (orange line)
- Heavy traffic (yellow line)
- Free-flowing traffic (green line)

SHOWING TRAFFIC INCIDENTS ON THE ROUTE

Requirements:

- The **Traffic incidents** display is switched on (→ page 540).

Multimedia system:



If there are traffic incidents on the route, these are shown on the map and in the route overview.

i With the MBUX Voice Assistant you can inform yourself about traffic incidents on your route. Ask, for example How is the traffic on my route? or How is the traffic at home?. A voice output is issued.



Example: traffic incidents on the route

- ① Total delay or message that there are no delays along the route
- ② Switches traffic information display on or off
- ③ Calls up settings for [View](#), [Messages & tones](#) and [Route](#)

IF THERE ARE ANY DELAYS ALONG THE ROUTE, THESE ARE SHOWN IN THE ROUTE OVERVIEW TOGETHER WITH THE FOLLOWING INFORMATION:

- Traffic jam section: red bars
- Slow-moving traffic: orange bar
- Heavy traffic: yellow bar
- For each section:
 - The delay
 - The length
 - The street name or the street number

i DURING ACTIVE ROUTE GUIDANCE, THE TOTAL DELAY ON THE ROUTE IS ALSO DISPLAYED HERE:

- in the navigation system in the navigation module
- in other applications in the status line at the top



Traffic incident symbols are shown in the route overview and in the map. A traffic incident symbol is, for example  for roadworks.

In the map several traffic incidents may be shown on top of each other. The traffic incident symbol shows a plus sign.

If available, the street number can be replaced by a street name or both the name and number.

- ▶ To see all of the traffic incidents on the route, swipe to the right or left. The route section is highlighted on the map.
- ▶ **To show detailed information in the route overview:** tap on a display in the route overview.
The detailed information is shown, for example the road section and the direction.

CALLING UP DETAILED INFORMATION ON THE MAP

- ▶ Tap on traffic flow information on the map, e.g. a red line for a traffic jam section.
The detail information is displayed.
- ▶ If several lines are shown on top of the other, then select an item of traffic flow information from the list.

SHOWING TRAFFIC INCIDENTS ON THE MAP

- ▶ Tap on a traffic incident symbol.
The detail information is displayed.
- ▶ **Several traffic incidents are in the immediate vicinity:** tap on the top traffic incident symbol and select from the list of traffic incidents.

SWITCHING THE TRAFFIC INFORMATION DISPLAY ON

Multimedia system:



- ▶ Select **View**.
- ▶ **Traffic**.
- ▶ Activate **Traffic incidents** and **Free-flowing traffic**.

Car-to-X-Communication

CAR-TO-X-COMMUNICATION OVERVIEW

THE FOLLOWING REQUIREMENTS APPLY FOR THE CAR-TO-X-COMMUNICATION SERVICE:

- The vehicle is equipped with an MBUX multimedia system with navigation function.

The communication module automatically establishes an Internet connection once the vehicle is switched on. If there are any hazard warnings, they will be provided shortly thereafter. Depending on the mobile phone connection, provision takes place from within a second up to about a minute.

BENEFITS OF CAR-TO-X-COMMUNICATION:

- Dangers are automatically detected by the vehicle or can be reported by the driver. These are then sent to vehicles with Car-to-X-Communication in the immediate vicinity.
- If available, current details relating to hazard spots near the vehicle's current position are received.

This gives you sufficient time to adapt your driving style to the traffic conditions.





The use of Car-to-X-Communication requires the regular transmission of vehicle data to Mercedes-Benz AG. The data is then immediately pseudonymised by Mercedes-Benz AG. The vehicle data is deleted after an appropriate amount of time has elapsed (several weeks) and is not stored permanently.

-  Data which serves as identification is replaced during the pseudonymisation process. In this way, your identity is protected against access by unauthorised third parties.

DISPLAYING HAZARD WARNINGS

Multimedia system:



If hazard warnings are available these can be shown as symbols on the map. The display depends on the settings for the [Traffic incidents](#) option.

- ▶ Set the option via  ([page 540](#)).
If the option is activated, all of the symbols are shown.
If the option is deactivated, the symbols are only shown when there is a hazard warning.

THE FOLLOWING HAZARDS MAY BE SHOWN ON THE MAP:

- Accidents and breakdowns
- Slippery roads, fog, crosswinds and heavy rain
- Hazards reported manually
- Vehicle with active hazard warning light
- Roadworks
- Additional hazards (if available)

-  If [Announce traffic warnings](#) is switched off ([→ page 527](#)), voice output can indicate a danger area.

SENDING HAZARD WARNINGS

REPORTING HAZARDS MANUALLY

-  Automatically detected hazard warnings are sent by the vehicle.

- ▶ When the map is shown, tap on the  current vehicle position.
The [Position](#) menu is shown.
- ▶ Select [Report traffic incident](#).
A prompt is shown.
- ▶ Select [Yes](#).
The [Thank you for supporting accident prevention!](#) message appears.





Route guidance with augmented reality

OVERVIEW OF ROUTE GUIDANCE WITH AUGMENTED REALITY

⚠ WARNING

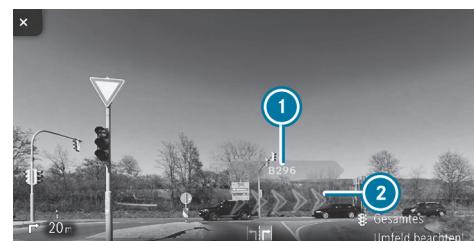
Risk of accident and injury as a result of distraction, incorrect depiction or wrong interpretation of the display

The camera image of the augmented reality display is not suitable as a guide for driving.

- ▶ Always keep an eye on the actual traffic situation.
- ▶ Avoid extended observation of the camera image.

During route guidance with augmented reality a camera image with the real traffic scene is shown in the media display before a turning manoeuvre. The camera image includes additional information, for example arrows indicating a change of direction.

If the options are switched on and this additional information is available, road names and house numbers are displayed (→ page 543).



① Street name

② Change of direction arrow

Route guidance with augmented reality will not be available in some situations, e.g. in the event of poor satellite reception or roads that have not been digitised.

Route guidance with augmented reality is not available in all countries.

You can watch an animation on this topic via the following link:

ACTIVATING ROUTE GUIDANCE WITH AUGMENTED REALITY

⚠ WARNING

Risk of accident and injury due to imprecise positioning of additional information

The additional information from the augmented reality display may be inaccurate and is not a substitute for observing and assessing the actual driving situation.

- ▶ Always keep an eye on the actual traffic situation when carrying out all driving manoeuvres.

Multimedia system:



- ▶ Select [View](#).
- ▶ Select [Augmented reality video](#).
- ▶ Activate or deactivate [Augmented reality video](#).

The camera's video image is shown on the media display before a turning manoeuvre. The video image includes additional information.





SHOWING PROPERTY INFORMATION FOR ROUTE GUIDANCE WITH AUGMENTED REALITY

Requirements:

- Augmented reality is activated (→ page 542).

Multimedia system:



- Select **View**.
- Select **Augmented reality video**.
- Activate **Street names** and **House numbers**.

During route guidance, the activated options are shown as additional information in the camera image.

Map

SETTING THE MAP SCALE

Multimedia system:



ZOOMING IN

- When the map is shown, tap twice quickly with one finger on the media display.

or

- Move two fingers apart on the media display.

ZOOMING OUT

- Tap with two fingers on the media display.

or

- Move two fingers together on the media display.

i You can set the unit of measurement of the map scale (→ page 498).

MOVING THE MAP

Multimedia system:



- When the map is displayed, swipe in any direction with one finger on the media display.

THE FOLLOWING FUNCTIONS ARE AVAILABLE:

- Selecting a destination on the map (→ page 522).
- Selecting a POI (→ page 520).
- To reset the map to the current vehicle position: select **Centre**.

SWITCHING THE ROUTE OVERVIEW AFTER START ON OR OFF

Multimedia system:



- Select **View**.

- Activate or deactivate **Overview of route after start**.

If the option is enabled, the map shows the full route after route guidance is started and, if available, all alternative routes.





SELECTING POI SYMBOLS FOR THE MAP DISPLAY

Multimedia system:



POIs include restaurants and hotels, for example. These are displayed as symbols on the map. Not all POIs are available in all countries.

Personal POIs are destinations which you have saved on a USB device, for example.

-  The display of POI symbols on the map can be activated or deactivated as a favourite.

- ▶ Select [View](#).
- ▶ Select [POI symbols on map](#) .
- ▶ Activate [Hide all points of interest](#).

If the option is switched off, POI symbols are displayed on the map which correspond to the settings in the POI categories.

-  If the conditions are fulfilled, the POI symbols are shown with current online information (→ page 548).

SWITCHING DISPLAY OF CATEGORIES FOR QUICK-ACCESS ON OR OFF

- ▶ Switch a category on or off in the menu.

SELECTING CATEGORIES

- ▶ In the menu, select [Other categories](#) .
- ▶ Activate or deactivate [Show all](#).

When the option is switched on, the POI symbols for all categories are shown on the map.

or

- ▶ Select  the categories.
 - ▶ Activate or deactivate the categories.
- The POI symbols for the selected categories are shown on the map.

SELECTING PERSONAL POI CATEGORIES

- ▶ In the menu, select [Personal POIs](#) .
- ▶ Select  a category.
- ▶ Activate or deactivate [Display on the map](#).
- ▶ **To issue a signal when approaching:** activate [Visual warning](#) and [Acoustic notification](#).

RESETTING THE POI SYMBOL DISPLAY

- ▶ In the menu, select [Reset POIs](#).
- The settings are reset to the standard settings.

SELECTING THE DISPLAY OF ADDITIONAL INFORMATION ON THE MAP

Multimedia system:



- ▶ Select [View](#).
- ▶ Select [Show additional information](#).
- ▶ Switch the options on or off.

THE FOLLOWING OPTIONS ARE AVAILABLE:

- [Current street](#)
If the option is enabled, it will be displayed in the navigation window.
- [Scale](#)





If the option is switched off, the map scale is only displayed on the map when zooming.

If the option is enabled, the map scale is permanently displayed on the map.

The option also influences the display on the driver display.

- [Altitude](#)
- [Next junction](#)

If the option is switched on and the journey continues without route guidance, the name of the next intersecting street will be displayed in the navigation window.

DISPLAYING THE MAP VERSION

Multimedia system:



- ▶ Select [View](#).
- ▶ Select [Map data version](#).

The detail information is displayed.

 Information about new versions of the digital map can be obtained from a Mercedes-Benz service centre.

OVERVIEW OF AREA AVOIDANCE ON THE ROUTE

You can define areas along a route that you would like to avoid.

Motorways or multi-lane expressways that pass through an area to be avoided may be included in the route despite being blocked.

AVOIDING A NEW AREA FOR THE ROUTE

Multimedia system:



- ▶ Select [Avoid new area](#).

STARTING USING THE MAP

- ▶ Select [Using map](#).

A red rectangle appears. This designates the area that should be avoided.

- ▶ Move the map (→ page 543).
- ▶ Set the map scale (→ page 543).
- ▶ Select [OK](#).

The area is entered into the list.

STARTING USING DESTINATION SEARCH

- ▶ Select [Via address entry](#).
- ▶ Enter the address (→ page 50).
- ▶ Select the destination in the list.

The map appears. The area is saved.

CHANGING AN AREA TO BE AVOIDED

Multimedia system:



- ▶ Select an area in the list.
- ▶ Select [Edit](#).
- ▶ **To move an area on the map:** swipe in any direction on the media display.





CHANGING THE SIZE OF THE AREA

- ▶ Move two fingers apart or together on the media display.
 - ▶ Select **OK**.
- The area is entered into the list.

TAKING THE AREA FOR THE ROUTE INTO ACCOUNT

- ▶ Select the area in the list.
 - ▶ Activate **Avoid area**.
- If route guidance is active, a new route is calculated.
If there is no route yet, the setting is carried over to the next route guidance.

THE ROUTE CAN INCLUDE AN AREA THAT IS TO BE AVOIDED IN THE FOLLOWING CASES:

- The destination is located in an area that is to be avoided.
- The route includes motorways or multi-lane expressways which pass through an area to be avoided.
- There is no practical alternative route.

DELETING AN AREA TO BE AVOIDED

Multimedia system:

DELETING AN AREA TO BE AVOIDED

- ▶ Select an area in the list.
- ▶ Select **Delete**.
- ▶ Confirm the prompt with **Yes**.

DELETING ALL AREAS TO BE AVOIDED

- ▶ If at least two areas to be avoided are set, select **Delete all**.

- ▶ Confirm the prompt with **Yes**.

MAP DATA UPDATE OVERVIEW

As the content of a digital road map has a short life, outdated data may have a negative effect on all navigation functions. For the best MBUX navigation experience, you should install all of the map updates offered by Mercedes-Benz.

THE FOLLOWING OPTIONS ARE AVAILABLE FOR THE UPDATE OF MAP DATA:

- Online map update
 - Updates via the Mercedes-Benz Portal
 - Update at a Mercedes-Benz service centre
- Additional costs can be incurred in this process.

UPDATES FROM THE MERCEDES ME PORTAL

The map data for several regions can also be updated manually. Log in with your Mercedes me user account at: <https://www.mercedes-benz.de/>

Follow the menu path [My Mercedes-Benz account](#) > [My vehicles](#) > [Selection of car](#) > [Online Map Update](#). Select the regions to be downloaded to a storage medium.

After the map data has been copied, connect the storage medium with your vehicle. Select the notification with information about a new version of the map data and start the installation. After the MBUX multimedia system has been restarted, the updated map data is used.

OVERVIEW OF MAP DATA

If map data is reinstalled in a vehicle, no activation code needs to be entered.

For map data purchased as data media, the enclosed activation code must be entered after starting the installation.

Activation codes are only ever valid for one vehicle.



IN THE EVENT OF THE FOLLOWING PROBLEMS, PLEASE CONTACT A MERCEDES-BENZ SERVICE CENTRE:

- The multimedia system does not accept the activation code.
- You have lost the activation code.

DISPLAYING THE COMPASS

Multimedia system:

- ▶ When the map is shown, tap on the  current vehicle position until the [Position](#) menu is shown.
- ▶ Select [Compass](#).

THE COMPASS DISPLAY SHOWS THE FOLLOWING INFORMATION:

- The current direction of travel with bearing (360° format) and compass direction
- Longitude and latitude coordinates in degrees, minutes and seconds
- Number of satellites from which a signal can be received

The information is not available in every country.

DISPLAYING QIBLA

Multimedia system:

- ▶ When the map is shown, tap on the  current vehicle position until the [Position](#) menu is shown.
- ▶ Select [Alerts](#).

The arrow on the compass shows the direction to Mecca in relation to the current direction of travel.

The number of satellites received is shown.

 This function is not available in all countries.

SETTING THE MAP SCALE AUTOMATICALLY

Multimedia system:

- ▶ Select [View](#).
- ▶ Activate  [Auto zoom](#).

When the option is switched on, the map scale is set automatically depending on your driving speed and the type of road.

 The automatically selected map scale can be changed manually. After a few seconds, this is automatically reset. When the option is activated, no detailed display of the junction or a 3D image is shown in the navigation window during an upcoming driving manoeuvre.

DISPLAYING THE SATELLITE MAP

Multimedia system:

- ▶ Select [View](#).
- ▶ Activate or deactivate [Satellite map](#).

WHEN SATELLITE MAP IS SELECTED, THEY ARE DISPLAYED AT THE FOLLOWING MAP SCALES:

- On-board maps
The satellite maps are displayed in map scales from 2 km.
- Online maps





The satellite maps are displayed in high-resolution map scales from 10 m.

When **Satellite map** is not selected, no satellite maps are displayed.

- i** The satellite maps for these map scales are not available in all countries.

DISPLAYING THE RANGE

Requirements:

- There is an Internet connection.
- Mercedes-Benz Connect is available.
- You have a Mercedes me ID.
- The vehicle is linked to the Mercedes me ID and you have accepted the Mercedes-Benz Connect terms of use.

Further information can be found at: <https://www.mercedes.me>

- The fee-based Digital Extra Range Display is available and has been activated.

Multimedia system:



- i** ① Display of the total range

- ▶ Select **View**.
- ▶ Activate **Range**.

When the lower reserve capacity is reached then the range display on the map is switched off.

- i** The range display on the map is not available in all countries.

DISPLAYING ONLINE MAP CONTENTS

Requirements:

- There is an Internet connection.
 - Mercedes-Benz Connect is available.
 - You have a Mercedes me ID.
 - The vehicle is linked to the Mercedes me ID and you have accepted the Mercedes-Benz Connect terms of use.
- Further information can be found at: <https://www.mercedes.me>
- The Digital Extra is available and has been activated.





Multimedia system:



- ▶ Select [View](#).
- ▶ Switch on a Digital Extra, e.g. [Weather](#).

Current weather information is displayed on the navigation map, e.g. temperature or cloud cover.

The information provided by the Digital Extras is not displayed in all map scales, e.g. weather symbols.

-  The display of online map content is not available in all countries.

Parking service

NOTES ON THE PARKING SERVICE



NOTE

Vehicle damage due to failure to observe the maximum permissible clearance height

If the vehicle height exceeds the maximum permissible clearance height, the roof and other vehicle parts may be damaged.

- ▶ Please observe the indicated maximum clearance height.
- ▶ If the vehicle exceeds the permissible clearance height, do not drive in.
- ▶ Take the modified vehicle height in the case of roof superstructures or other carrier systems into account.

DISPLAYING PARKING OPTIONS ON THE MAP

Requirements:

- The Navigation Services service is activated in your Mercedes me ID.
- The parking service is part of the scope of the Navigation Services.

Multimedia system:



- ▶ Switch on [Parking](#).

The parking options within the vicinity of the current vehicle position are shown.

SELECTING PARKING OPTIONS



NOTE

Vehicle damage due to failure to observe local information and parking conditions

The data is based on the information provided by the respective service providers.

Mercedes-Benz does not guarantee the accuracy of the information provided in relation to the car park or parking area.

- ▶ Always observe the local information and conditions.

Requirements:

- The Navigation Services service is activated in your Mercedes me ID.
- The parking service is part of the scope of the Navigation Services.
- [Parking](#) is activated (→ page 549).





Multimedia system:



- ▶ Tap on  the map.

or

- ▶ In the route overview, select  **Parking spaces** (→ page 527).
- ▶ Select the search position and search filter, e.g. **Near destination** and **Multi-storey car parks**.

The map shows car parks suited to the selected settings.

- ▶ Select a parking option.

THE FOLLOWING INFORMATION IS DISPLAYED (IF AVAILABLE):

- Destination address, distance from current vehicle position and arrival time
- Information on the car park, e.g.
 - Opening times
 - Parking charges
 - Current occupancy
 - Maximum parking time
 - **Maximum access height**

The maximum access height shown by the parking service does not replace the need for observation of the actual circumstances.
- Available payment options (Mercedes pay, coins, bank notes, cards)
- Details on parking tariffs
- Number of available parking spaces
- Payment method (e.g. at parking meters)
- Services/facilities at the parking option

- Telephone number

- ▶ Calculate the route (→ page 524).

THE FOLLOWING FUNCTIONS CAN BE USED (IF AVAILABLE):

- Searching for POIs in the vicinity.
- Saving the destination.
- Placing a call at the destination.
- Sharing the destination via the QR code.
- Calling up the web address.
- Showing the destination on the map.





< Telephone

Telephony

NOTES ON TELEPHONY

WARNING

Risk of distraction from operating integrated communication equipment while the vehicle is in motion

If you operate communication equipment integrated in the vehicle when driving, you could be distracted from the traffic situation. This could also cause you to lose control of the vehicle.

- ▶ Only operate this equipment when the traffic situation permits.
- ▶ If you cannot be sure of this, stop the vehicle whilst paying attention to road and traffic conditions and operate the equipment with the vehicle stationary.

WARNING

Risk of accident from operating mobile communication equipment while the vehicle is in motion

Mobile communication devices distract the driver from the traffic situation. This can also cause the driver to lose control of the vehicle.

- ▶ As a driver, only operate mobile communication devices when the vehicle is stationary.
- ▶ As a vehicle occupant, use mobile communication devices only in the designated area, e.g. in the rear passenger compartment.

When operating the multimedia system and mobile communication devices in the vehicle, observe the legal regulations of the country in which you are currently travelling.





⚠ WARNING

Risk of injury due to objects being stowed incorrectly

If objects in the vehicle interior are stowed incorrectly, they may slide or be thrown around and hit vehicle occupants. In addition, cup holders, open stowage spaces and mobile phone receptacles will not always be able to retain all objects that they contain in the event of an accident.

There is a risk of injury, particularly in the event of sudden braking or a sudden change in direction.

- ▶ Always stow objects such that they cannot be thrown around in such situations.
- ▶ Always make sure that objects do not protrude from stowage spaces, luggage nets or stowage nets.
- ▶ Close the lockable stowage spaces before starting a journey.
- ▶ Always stow and secure heavy, hard, pointed, sharp-edged, fragile or bulky objects in the boot/load compartment.

OBSERVE THE ADDITIONAL INFORMATION ON STOWING MOBILE COMMUNICATIONS DEVICES CORRECTLY:

- Loading the vehicle (→ page 233)
- Stowing and securing the mobile phone (→ page 247)

Further information can be obtained from a Mercedes-Benz service centre or at: <https://www.mercedes-benz-mobile.com/>

TELEPHONE MENU OVERVIEW



- ① Bluetooth® device name of the currently connected mobile phone/of the mobile phone
- ② Bluetooth® device name of the other currently connected mobile phone/of the mobile phone
- ③ Signal strength of the mobile phone network
- ④ Battery status of the connected mobile phone
- ⑤ Options
- ⑥ Messages
- ⑦ Calls up devices
- ⑧ Numerical pad
- ⑨ Starts contact search

BLUETOOTH® PROFILE OVERVIEW

Bluetooth® profile of the mobile phone	Function
PBAP (Phone Book Access Profile)	Contacts are automatically displayed in the multimedia system
MAP (Message Access Profile)	Message functions can be used
HFP (Hands Free Profile)	Wireless telephony is available



TELEPHONY OPERATING MODES OVERVIEW

DEPENDING ON YOUR EQUIPMENT, THE FOLLOWING TELEPHONY OPERATING MODES ARE AVAILABLE:

- A mobile phone is connected to the multimedia system via Bluetooth® (→ page 553).
- Two mobile phones are connected with the multimedia system via Bluetooth® (two phone mode) (→ page 554).
 - You can use all the functions of the multimedia system with both mobile phones.

 Irrespective of this, Bluetooth® audio functionality can be used with any mobile phone (→ page 593).

INFORMATION ON TELEPHONY

THE FOLLOWING SITUATIONS CAN LEAD TO THE CALL BEING DISCONNECTED WHILE THE VEHICLE IS IN MOTION:

- There is insufficient network coverage in the area
- You move from one transmission/reception station to another and no communication channels are free
- The SIM card used is not compatible with the network available
- A mobile phone with "Twincard" is logged into the network with the second SIM card at the same time

The multimedia system supports calls in HD Voice® for improved speech quality. A requirement for this is that the mobile phone and the mobile phone network provider of the person you are calling support HD Voice®.

Depending on the quality of the connection, the voice quality may fluctuate.

CONNECTING A MOBILE PHONE

Requirements:

- Bluetooth® is activated on the mobile phone (see the manufacturer's operating instructions).
- Bluetooth® is activated on the multimedia system (→ page 496).

Multimedia system:



SEARCHING FOR A MOBILE PHONE

- ▶ Select [Connect new device](#).

AUTHORISING A MOBILE PHONE

- ▶ Select a mobile phone.
A code is displayed in the multimedia system and on the mobile phone.
- ▶ **If the codes match:** confirm the code on the mobile phone.

 For older mobile phone models, enter a 1 to 16-digit number code on the mobile phone and on the multimedia system for authorisation.

 Up to 15 mobile phones can be authorised on the multimedia system.
Authorised mobile phones are reconnected automatically.

 The connected mobile phone can also be used as a Bluetooth® audio device (→ page 593).





You can watch an animation on this topic via the following link:

CONNECTING A SECOND MOBILE PHONE (TWO PHONE MODE)

Requirements:

- At least one mobile phone is already connected to the multimedia system via Bluetooth®.

Multimedia system:

 ► Phone ►  ► Devices ► Devices

- ▶ Select [Connect new device](#).
- ▶ Select the mobile phone.
- ▶ In some cases, if the query appears, confirm the selection of the mobile phone pair with the [Device name 1 + Device name 2](#) option.

The selected mobile phone is connected to the multimedia system.

INTERCHANGING MOBILE PHONES (TWO PHONE MODE)

Multimedia system:

 ► Phone

Both mobile phones are shown individually in separate tabs.

- ▶ Select the tab with the desired mobile phone.
Selecting the tab of a specific mobile phone displays the associated telephone contents.
Selecting the other tab switches the view to the other telephone.
The submenus in the telephone menu (e.g. contacts, call lists, messages) relate to the currently selected mobile phone with the exception of the telephone settings. In the telephone settings, settings can be made for both mobile phones.

CHANGING THE FUNCTION OF A MOBILE PHONE

Multimedia system:

 ► Phone ►  ► Devices ► Devices

ACTIVATING A FUNCTION

- ▶ Select a grey symbol in the line of a mobile phone.
The corresponding function is activated.

DEACTIVATING A FUNCTION

- ▶ **One function is active:** select the coloured symbol in the line of a mobile phone.
The mobile phone is disconnected from the multimedia system.
- ▶ **Several functions are active:** de-select an active function in the line of one of the mobile phones.
The corresponding function is deactivated.

REPLACING MOBILE PHONES

Multimedia system:

 ► Phone ►  ► Devices ► Devices

NO AUTHORISED MOBILE PHONE AVAILABLE:

- ▶ Select [Connect new device](#).
- ▶ Select a mobile phone.
- ▶ **Newly authorised mobile phone:** confirm the numerical code on the mobile phone.

USING IN SINGLE TELEPHONE MODE

- ▶ Select [Device name](#).
A newly authorised mobile phone is connected in single telephone mode.
If the mobile phone has already been authorised and connected in single telephone mode, it is connected again in single telephone mode.





If a mobile phone is already authorised and has been connected in two phone mode with another mobile phone, a query may come, whether the mobile phone should in future be operated in single telephone mode or connected with another mobile phone in two phone mode.

- ▶ If required, confirm the query about operating mode (single telephone or two phone mode) by confirming the **Device name** option.

USING IN TWO PHONE MODE

- ▶ Select **Device name 1 + Device name 2**.

A newly authorised mobile phone is connected with the selected mobile phone in two phone mode.

If the mobile phone has already been authorised and connected in single telephone mode, it will be connected in future with the selected mobile phone in two phone mode.

If the mobile phone was previously connected with another mobile phone, this connection is cancelled.

DISCONNECTING OR DELETING A MOBILE PHONE

Multimedia system:

- ▶

DISCONNECTING A MOBILE PHONE

- ▶ Select **Disconnect**.

If applicable, the mobile phone will be automatically reconnected when the vehicle is next started.

DELETING A MOBILE PHONE

- ▶ Select **Devices**.
- ▶ Select in the line of the mobile phone.
- ▶ Select **Delete device**.

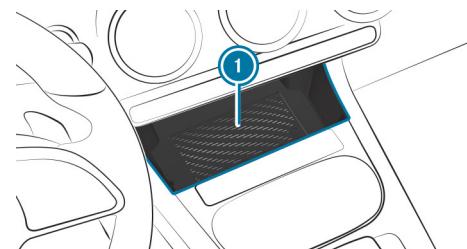
The mobile phone is deleted from the system.

USING A MOBILE PHONE WITH NEAR-FIELD COMMUNICATION (NFC)

Requirements:

- NFC is activated on the mobile phone (see the manufacturer's operating instructions).
- The mobile phone's screen is switched on and unlocked (see the manufacturer's operating instructions).

CONNECTING A MOBILE PHONE



- ▶ Hold the NFC interface of the mobile phone (see manufacturer's operating instructions) on mat ① or place the mobile phone on mat ① with the display facing upwards.
- ▶ Follow the additional prompts on the media display to connect the mobile phone. Connect the mobile phone in single telephone mode (→ page 553). Connect the mobile phone in two phone mode (→ page 554).

REPLACING A MOBILE PHONE

- ▶ Hold the NFC interface of the mobile phone (see the manufacturer's operating instructions) against NFC interface ① in the front storage compartment.
- ▶ Follow the additional prompts on the media display to replace the mobile phone in single or two phone mode (→ page 554).





- ▶ If required, confirm the prompts on your mobile phone (see the manufacturer's operating instructions).

 If your mobile phone supports wireless charging, it can be charged on the mat (→ page 247).

 If the mobile phone is not charging, switch off NFC on the mobile phone (see the manufacturer's operating instructions).

Further information can be found at: <https://www.mercedes-benz-mobile.com/>

SETTING THE RECEPTION AND TRANSMISSION VOLUME

Requirements:

- A mobile phone is connected (→ page 553).

Multimedia system:

   Phone    Devices  Devices

This function ensures optimal language quality.

 Please note that the respective mobile phone must be selected for adjustment of the reception and transmission volume.

- ▶ Select  in the line of the mobile phone.
- ▶ Select **Volume**.
- ▶ Set the reception and transmission volume using **Reception volume** and **Transmission volume**.

SETTING THE RINGTONE

Multimedia system:

   Phone    Ringtones

- ▶ Set the ringtone.

 If the mobile phone supports the transfer of the ringtone, you will hear the ringtone of the mobile phone instead of that of the vehicle audio system.

STARTING OR STOPPING MOBILE PHONE VOICE RECOGNITION

Requirements

- At least one mobile phone is connected to the multimedia system (→ page 553).
- The tab with the mobile phone for which voice recognition should be started is selected (→ page 554).

STARTING MOBILE PHONE VOICE RECOGNITION

- ▶ Press and hold the  button on the multifunction steering wheel for more than one second.
Voice recognition is started for the currently selected mobile phone.

STOPPING MOBILE PHONE VOICE RECOGNITION

- ▶ Press the  or  button on the multifunction steering wheel.

 If a mobile phone is connected via Smartphone Integration, the voice recognition of this mobile phone is always started or stopped.





NOTE ABOUT CONTACT SUGGESTIONS

The multimedia system can show contact suggestions based on frequently used contacts, outgoing calls and text messages. For this, the [Allow contact suggestions](#) option must be switched on (→ page 499).

When you open the call list or the message menu, contacts which you can call or write to will be suggested to you. Suggestions will be shown in the [Suggestions](#) tab.

-  The multimedia system does not use the content of messages for suggestions.

SELECTING OPTIONS FOR CONTACT SUGGESTIONS

Requirements:

- The [Allow contact suggestions](#) option is switched on (→ page 499).
- The multimedia system has gathered sufficient data in order to show contact suggestions.

Multimedia system:



- ▶ Select [Call list](#) or [Contacts](#).
- ▶ Select [Suggestions](#).
- ▶ Select  in the line of the suggested contact.

THE FOLLOWING OPTION IS AVAILABLE FOR SELECTION:

- [Do not suggest now](#)

Calls

TELEPHONE OPERATION

Multimedia system:



MAKING A CALL BY ENTERING NUMBERS

- ▶ Select .
 - ▶ Enter a number.
 - ▶ Select .
- The call is made.

ACCEPTING A CALL

- ▶ Select  [Accept](#).

REJECTING A CALL

- ▶ Select  [Reject](#).

ANSWERING A CALL WITH A MESSAGE

- ▶ Select  [Message](#).

ENDING A CALL

- ▶ Select .

PUTTING A CALL ON IN-CAR OFFICE'S TO-DO LIST

- ▶ Select  [Put call on In-Car Office's to-do list](#).

ACTIVATING FUNCTIONS DURING A CALL

THE FOLLOWING FUNCTIONS ARE AVAILABLE DURING A CALL:

-  [End call](#)
-  [Micro. off](#)
-  [Keypad](#) (show to send DTMF tones)
-  [Add call](#)





- **Hands-free**
Transfer the call, e.g. to [Front](#), [Rear](#) or [All seats](#).
 - **Private mode**
Transfer the call to the telephone or headphones, for example.
- Select a function.

 Observe that the functions and symbols can vary depending on the vehicle equipment.

CONDUCTING CALLS WITH SEVERAL PARTICIPANTS

Requirements:

- There is an active call (→ page 557).
- Another call is being made.

SWITCHING BETWEEN CALLS

- Select the contact.
The selected call is active. The other call is on hold.

ACTIVATING A CALL ON HOLD

- Select the contact of the call on hold.

CONDUCTING A CONFERENCE CALL

- Select  [Conference](#).
The new participant is included in the conference call.

ENDING AN ACTIVE CALL

- Select  [End call](#).

 On some mobile phones, the call on hold is activated as soon as the active call is ended.

ACCEPTING OR REJECTING A WAITING CALL

Requirements:

- There is an active call (→ page 557).

If you receive a call while already in a call, a message is displayed.

Depending on the mobile phone and mobile phone network provider you will hear a call waiting signal.

Alternatively, in two phone mode you will hear an acoustic signal when the call goes through to the other (not yet active) mobile phone.

- Select  [Accept](#).

The incoming call is active.

If only one mobile phone is connected with the multimedia system, the previous call will be put on hold.

If during a call you accept a call with the other mobile phone when in two phone mode then the existing call is ended.

or

- Select [Message](#).

The incoming call is not accepted.

You answer with a message.

or

- Select  [Reject](#).





-  The function and the behaviour depend on your mobile phone network provider as well as on the mobile phone (see the manufacturer's operating instructions).

USING THE INTERNATIONAL DIALLING CODE

Multimedia system:



- ▶ Press and "0" until a "+" appears in the selection field.
 - ▶ Enter the numbers of the country code, regional code and the telephone number.
 - ▶ Select .
- The call is made.

Contacts

INFORMATION ABOUT THE CONTACTS MENU

The contacts menu contains all contacts from existing data sources, e.g. mobile phone or data storage medium.

DEPENDING ON THE DATA SOURCE, IT IS POSSIBLE TO SAVE/LOAD THE FOLLOWING NUMBER OF CONTACTS:

- Permanently saved contacts: 3,000 entries
- Contacts loaded from the mobile phone: 5,000 entries per mobile phone

FROM THE CONTACTS MENU, YOU CAN PERFORM THE FOLLOWING ACTIONS:

- Make a call, for example call a contact (→ page 560)

- Compose messages (→ page 562)
- Additional options (→ page 560)

Mobile phone contacts are automatically displayed when a mobile phone is connected to the multimedia system (→ page 553).

DOWNLOADING MOBILE PHONE FAVOURITE CONTACTS

If the mobile phone supports the function, the favourites of the mobile phone are automatically loaded and appear in the overview of the phone menu.

CALLING UP CONTACTS

Multimedia system:



THE FOLLOWING OPTIONS CAN BE USED TO SEARCH FOR CONTACTS:

- Searching by initials
- Searching by name
- Searching by phone number
- ▶ Enter characters into the search field.
- ▶ Select the contact.

A CONTACT CAN CONTAIN THE FOLLOWING DETAILS:

- Phone numbers
- Navigation addresses
- Internet address
- Email addresses
- Relationship (if set)





MANAGING THE FORMAT OF A CONTACT'S NAME

Multimedia system:



- ▶ Select [Contacts](#).
- ▶ Select [Name format](#).
- ▶ Select an option.

OVERVIEW OF IMPORTING CONTACTS

IMPORTING CONTACTS INTO THE CONTACTS MENU

Source	Requirements
	The USB device is connected with the USB port.
Mobile phone	A mobile phone is connected to the multimedia system via Bluetooth®. Contacts are available.

- Note that the imported contacts remain in the vehicle and can be accessed at any time regardless of the connected mobile phones.

IMPORTING CONTACTS INTO THE CONTACTS MENU

Multimedia system:



- ▶ Select a mobile phone [`<device name>`](#), from which the contacts should be imported.
- ▶ Select an option.

SAVING A MOBILE PHONE CONTACT

Multimedia system:



- ▶ Select in the line of the mobile phone contact.
- ▶ Select .
- ▶ Select [Save](#).
- ▶ Select [Yes](#).

The contact saved in the multimedia system is identified by the MBUX symbol.

CALLING A CONTACT

Multimedia system:



- ▶ Select [Search contacts](#).
 - ▶ Enter characters into the search field.
 - ▶ Select the contact.
 - ▶ Select the telephone number.
- The number is dialled.

SELECTING FURTHER OPTIONS IN THE CONTACTS MENU

Multimedia system:



- ▶ Select in the line of the contact.
- ▶ Select .
- ▶ Select an option.





DELETING CONTACTS

Requirements:

- The contacts are saved in the vehicle.
- To delete an individual contact, this has been imported manually into the vehicle.

Multimedia system:



DELETING ALL CONTACTS

- ▶ Select .
- ▶ Select [Contacts](#).
- ▶ Select [Delete all MBUX contacts](#).
- ▶ Select an option.

DELETING A CONTACT

- ▶ Select [Contacts](#).
- ▶ Select in the line of the contact.
- ▶ Select .
- ▶ Select [Delete contact](#).
- ▶ Select [Yes](#).

Call list

OVERVIEW OF THE CALL LIST

Depending on whether your mobile phone supports the PBAP Bluetooth® profile or not, this can have different effects on the presentation and functions of the call list.

IF THE PBAP BLUETOOTH® PROFILE IS SUPPORTED, THE EFFECTS ARE AS FOLLOWS:

- The call lists from the mobile phone are displayed in the multimedia system.
- When connecting the mobile phone, you may have to confirm the connection for the PBAP Bluetooth® profile.

IF THE PBAP BLUETOOTH® PROFILE IS NOT SUPPORTED, THE EFFECTS ARE AS FOLLOWS:

- The multimedia system generates a call list independently as soon as calls are made in the vehicle.
- The call list is not synchronised with the call lists in the mobile phone.

MAKING A CALL FROM THE CALL LIST

Multimedia system:



- ▶ Select [Call list](#).

- ▶ Select an entry.

The call is made.





SELECTING ADDITIONAL OPTIONS IN THE CALL LIST

Multimedia system:

- ▶ Select  Call list.
- ▶ For contacts that are in the address book: select options.
The contact details are called up.
- ▶ For contacts where only one number is shown (not in the address book): select .

DELETING THE CALL LIST

Multimedia system:

- ▶ Select Delete call list.
- ▶ Select Yes.

 This function is only available if your mobile does not support the PBAP Bluetooth® profile.

Text messages

OVERVIEW OF MESSAGE FUNCTIONS

In the message menu you can receive text messages and create and send them with the help of the MBUX voice assistant.

If the connected mobile phone supports the Bluetooth® MAP profile, the message functions can be used on the multimedia system.

You can obtain further information about settings and supported functions of Bluetooth®-capable mobile phones at a Mercedes-Benz service centre or at: <https://www.mercedes-benz-mobile.com/>

Some mobile phones require further settings after being connected to the multimedia system to activate the messaging functionality (see manufacturer's operating instructions).

SETTING MESSAGE DISPLAYS

Multimedia system:

- ▶ Select Message display.
- ▶ Select On or Off.

READING MESSAGES

Multimedia system:

USING THE READ-ALOUD FUNCTION

A message list is shown.

- ▶ To read aloud, select the  symbol at a conversation.
The message is read aloud.

CREATING AND SENDING A NEW MESSAGE

Requirements

- There is an Internet connection.
- At least one mobile phone with reception is connected.
- If applicable, the message function must be activated on the mobile phone.



Multimedia system:



 The availability of this function is country-dependent.

- ▶ Using the MBUX voice assistant, speak the voice command Send a message to, and name the desired contact (→ page 460).

DICTATING TEXT

- ▶ Say the message.

You are guided by the voice dialogue.

REPLYING TO A MESSAGE IN THE MESSAGING HISTORY

Multimedia system:



A message list is shown.

- ▶ Select  next to a contact.

The messaging history with this contact is shown. You will be guided through the steps with the help of a voice dialogue.

- ▶ Say the message.

FORWARDING MESSAGES

Multimedia system:



A message list is shown.

- ▶ Speak the voice command Forward message.

You are guided by the voice dialogue.

CALLING A MESSAGE SENDER

Multimedia system:



A message list is shown.

- ▶ Select  next to a contact.
The messaging history with this contact is shown.
- ▶ Select .
- ▶ Select [Call](#).

USING TELEPHONE NUMBERS, URLs OR EMAIL ADDRESSES FROM A TEXT MESSAGE

Requirements

- An Internet connection is available to call up a URL.

Multimedia system:



 The availability of this function is country-dependent.

A message list is shown.

- ▶ Select  next to a contact.
The messaging history with this contact is shown.
- ▶ Select a telephone number or a URL in the message.
If a URL is selected the web browser opens.





IF A TELEPHONE NUMBER IS SELECTED THE FOLLOWING OPTIONS ARE AVAILABLE:

- Call
- New message

or

- **If In-Car Office and the email function are available:** select an email address.

In-Car Office opens.

 The availability of In-Car Office is country-dependent.

- Select an option.

DELETING A MESSAGE

Multimedia system:



A message list is shown.

- Select a contact.
► Press and hold on a message.
► **To delete the message:** select **Delete**.

Apple CarPlay®

OVERVIEW OF APPLE CARPLAY®

WARNING

Risk of distraction from information systems and communications equipment

If you operate information systems and communication devices integrated in the vehicle when driving, you could be distracted from the traffic situation. This could also cause you to lose control of the vehicle.

- Only operate this equipment when the traffic situation permits.
- If you cannot be sure of this, stop the vehicle whilst paying attention to road and traffic conditions and operate the equipment with the vehicle stationary.

You must observe the legal requirements for the country in which you are currently driving when operating the multimedia system.

iPhone® functions can be used via the multimedia system using Apple CarPlay®. They are operated using the touchscreen, Touch Control or Siri® voice control. You can activate voice control by pressing and holding the  button on the multifunction steering wheel.

 By briefly pressing the  button on the multifunction steering wheel you can continue to operate the multimedia system using the MBUX Voice Assistant (→ page 460).

Only one iPhone® at a time can be connected via Apple CarPlay® with the multimedia system.





Also for use of Apple CarPlay® with two phone mode, only one additional mobile phone can be connected using Bluetooth® with the multimedia system.

As access to the iPhone® is restricted by MBUX when an Apple CarPlay® session is active, not all MBUX functions (e.g. dialling from the address book) can be fully provided for the connected device. In this case use Apple CarPlay®.

The full range of functions for Apple CarPlay® is only available with an Internet connection.

The availability of Apple CarPlay® may vary according to the country.

The service provider is responsible for this application and the services and content connected to it.

Apple CarPlay® is a registered trademark of Apple Inc.

You can watch an animation on this topic via the following link:

INFORMATION ON APPLE CARPLAY®

The Apple CarPlay® symbol in the status line switches within Apple CarPlay® to the last active display.

If route guidance is active on the multimedia system, it is closed when route guidance is started on the mobile phone.

CONNECTING AN IPHONE® VIA APPLE CARPLAY® (WIRED)

Requirements:

- The current version of your device's operating system is being used (see the manufacturer's operating instructions).

i For safety reasons, the first activation of Apple CarPlay® on the multimedia system must be carried out when the vehicle is stationary and the parking brake applied.

► Connect the iPhone® to a USB port on the multimedia system using a suitable cable (→ page 592).

When the application is connected for the first time, a message about data protection regulations appears.

► Select **Accept & start** if the application should be started.

or

► Open the device manager (→ page 554).

► Start Apple CarPlay® using the relevant symbol next to the device name.

i If applicable, a message about data protection regulations appears.

► If required confirm the use of Apple CarPlay® on your iPhone®.

EXITING APPLE CARPLAY®

► Select .

or

► Press the button on the multifunction steering wheel (MBUX multimedia system).





- ⓘ If Apple CarPlay® was not displayed in the foreground before disconnecting, the application starts in the background when reconnected. You can call up Apple CarPlay® using the Apple CarPlay® symbol in the status line.

CONNECTING AN iPhone® VIA APPLE CARPLAY® (WIRELESS)

Requirements:

- The current version of your device's operating system is being used (see the manufacturer's operating instructions).
- Bluetooth® is activated on the device (see the manufacturer's operating instructions).
- The device is "visible" for other devices.

- ⓘ For safety reasons, the first activation of Apple CarPlay® on the multimedia system must be carried out when the vehicle is stationary and the parking brake applied.

Multimedia system:

- ▶ Connect the mobile phone using Bluetooth® (→ page 553).
When the application is connected for the first time, a message about data protection regulations appears.
- ▶ Select **OK, start Apple CarPlay** if the application should be started.
- ▶ If required confirm the use of Apple CarPlay® on your iPhone®.

- ⓘ It is possible at any time to switch between a connection via Bluetooth® or Apple CarPlay® (wireless) in the device list.

- ⓘ If you have already connected a mobile phone via Bluetooth®, you can connect another iPhone® via Bluetooth® to use Apple CarPlay® via the device manager.

EXITING APPLE CARPLAY®

- ▶ Select .
- or
- ▶ Press the  button on the Touch Control (MBUX multimedia system).

- ⓘ If Apple CarPlay® was not displayed in the foreground before disconnecting, the application starts in the background when reconnected. You can call up Apple CarPlay® using the Apple CarPlay® symbol in the status line.

CALLING UP APPLE CARPLAY® SOUND SETTINGS

Multimedia system:

- ▶ Select the sound settings.

ENDING APPLE CARPLAY®

- ▶ Select the Apple CarPlay® symbol in the device manager (telephone, media) that is next to the device name of the iPhone®.





ⓘ Select the Apple CarPlay® symbol in the device manager in the telephone or media applications if Apple CarPlay® should be restarted.

ⓘ If Apple CarPlay® was not displayed in the foreground before disconnecting, the application starts in the background the next time it is started automatically. You can call up Apple CarPlay® using the relevant symbol in the status line.

Android Auto

ANDROID AUTO OVERVIEW

WARNING

Risk of distraction from information systems and communications equipment

If you operate information systems and communication devices integrated in the vehicle when driving, you could be distracted from the traffic situation. This could also cause you to lose control of the vehicle.

- ▶ Only operate this equipment when the traffic situation permits.
- ▶ If you cannot be sure of this, stop the vehicle whilst paying attention to road and traffic conditions and operate the equipment with the vehicle stationary.

You must observe the legal requirements for the country in which you are currently driving when operating the multimedia system.

Mobile phone functions can be used with Android Auto using the Android operating system on the multimedia system. They are operated using the touchscreen, Touch Control or voice control. You can activate the voice control system by pressing and holding the button on the multifunction steering wheel.

ⓘ By briefly pressing the button on the multifunction steering wheel you can continue to operate the multimedia system using the MBUX Voice Assistant (→ page 460).

Only one mobile phone at a time can be connected via Android Auto with the multimedia system.

Also for use of Android Auto with two phone mode, only one additional mobile phone can be connected using Bluetooth® with the multimedia system.

The full range of functions for Android Auto is only possible with an Internet connection.

The availability of Android Auto and Android Auto apps may vary according to the country.

The service provider is responsible for this application and the services and content connected to it.

You can watch an animation on this topic via the following link:

INFORMATION ON ANDROID AUTO

The Android Auto symbol in the status line switches within Android Auto to the last active display.

If route guidance is active on the multimedia system, it is closed when route guidance is started on the mobile phone.





CONNECTING A MOBILE PHONE VIA ANDROID AUTO (WIRED)

Requirements:

- The mobile phone supports Android Auto from Android 5.0.
- The current version of the Android Auto app is installed on the mobile phone.
- In order to use the telephone functions, the mobile phone must be connected to the multimedia system via Bluetooth® (→ page 553).

If there was no prior Internet connection, this is established with the use of the mobile phone with Android Auto.

i For safety reasons, the first activation of Android Auto on the multimedia system must be carried out when the vehicle is stationary with the parking brake.

- Connect the mobile phone to a USB port on the multimedia system using a suitable cable (→ page 592).

When the application is connected for the first time, a message about data protection regulations appears.

- Select **Accept & start** if the application should be started.

or

- Open the device manager (→ page 554).
► Start Android Auto using the relevant symbol next to the device name.

EXITING ANDROID AUTO

- Select .

or

- Press the button on the Touch Control (MBUX multimedia system).

i If Android Auto was not displayed in the foreground before disconnecting, the application starts in the background when reconnected. You can call up Android Auto using the Android Auto symbol in the status line.

CONNECTING A MOBILE PHONE VIA ANDROID AUTO (WIRELESS)

Requirements:

- The current version of your device's operating system is being used (see the manufacturer's operating instructions).
- The device supports the Android Auto function (wireless).
- Bluetooth® is activated on the device (see the manufacturer's operating instructions).
- The device is "visible" for other devices.
- Bluetooth® is activated on the multimedia system (→ page 496)

i For safety reasons, the first activation of Android Auto on the multimedia system must be carried out when the vehicle is stationary and the parking brake applied.

i The Android Auto function (wireless) is not available in all countries.





Multimedia system:

  Phone >  Devices

- ▶ Connect the mobile phone using Bluetooth® (→ page 553).

i Depending on the device configuration, the query whether Android Auto should be started may appear after connecting the mobile phone via Bluetooth®. In this case, the query must be answered with **Yes**.

- ▶ Select **Start Android Auto**.

When the application is connected for the first time, a message about data protection regulations appears.

- ▶ Select **Accept & start**.

i It is possible at any time to switch between a connection via Bluetooth® or Android Auto (wireless) in the device list.

i If you have already connected a mobile phone via Bluetooth®, you can connect another mobile phone via Bluetooth® to use Android Auto via the device manager.

EXITING ANDROID AUTO

- ▶ Select .

or

- ▶ Press the  button on the Touch Control (MBUX multimedia system).

i If Android Auto was not displayed in the foreground before disconnecting, the application starts in the background when reconnected. You can call up Android Auto using the Android Auto symbol in the status line.

CALLING UP THE ANDROID AUTO SOUND SETTINGS

Multimedia system:

- ▶ Select the sound settings.

ENDING ANDROID AUTO

- ▶ Select the Android Auto symbol in the device manager (telephone, media) that is next to the device name of the mobile phone.

i Select the Android Auto symbol in the device manager if Android Auto should be restarted.

i If Android Auto was not displayed in the foreground before disconnecting, the application starts in the background the next time it is started automatically. You can call up Android Auto using the Android Auto symbol in the status line.

Transferred vehicle data with Android Auto and Apple CarPlay®**OVERVIEW OF TRANSFERRED VEHICLE DATA**

When using Smartphone Integration, certain vehicle data is transferred to the mobile phone. This enables you to get the best out of selected mobile phone services. Vehicle data is not directly accessible.





THE FOLLOWING SYSTEM INFORMATION IS TRANSMITTED:

- Software release of the multimedia system
- System ID (anonymised)

The transfer of this data is used to optimise communication between the vehicle and the mobile phone.

To do this, and to assign several vehicles to the mobile phone, a vehicle identifier is randomly generated.

This has no connection to the vehicle identification number (VIN) and is deleted when the multimedia system is reset (→ page 503).

THE FOLLOWING DRIVING STATUS DATA IS TRANSMITTED:

- Transmission position engaged
- Distinction between parked, standstill, rolling and driving
- Day/night mode of the driver display
- Drive type

The transfer of this data is used to alter how content is displayed to correspond to the driving situation.

THE FOLLOWING POSITION DATA IS TRANSMITTED:

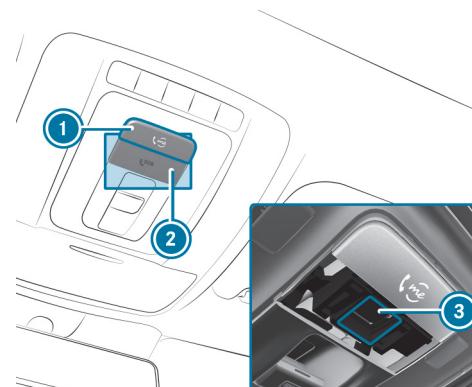
- Coordinates
- Speed
- Compass direction
- Acceleration direction

This data is used by the mobile phone to improve the accuracy of the navigation (e.g. for continuity in a tunnel).

Mercedes-Benz Connect calls

MAKING A CALL VIA THE OVERHEAD CONTROL PANEL

- i** Mercedes-Benz Connect calls are not possible in every country. Find out at a Mercedes-Benz service centre if these functions are available in your country.



① me button for a Mercedes-Benz Connect call

② SOS button cover

③ SOS button (emergency call system)

Making a Mercedes-Benz Connect call

- Press me button ①.





MAKING AN EMERGENCY CALL

- ▶ To open the cover of SOS button ②, press it briefly.
- ▶ Press and hold SOS button ③ for at least one second.

If a Mercedes-Benz Connect call is active, an emergency call can still be triggered. This has priority over all other active calls.

INFORMATION ABOUT THE MERCEDES-BENZ CONNECT CALL USING THE ME BUTTON

A call to the Mercedes-Benz Customer Centre has been initiated via the me button in the overhead control panel or the multimedia system (→ page 570).

USING THE VOICE DIALOGUE SYSTEM YOU ACCESS THE DESIRED SERVICE:

- Accident and Breakdown Management
- Mercedes-Benz Customer Centre for general information about the vehicle

YOU CAN FIND INFORMATION ON THE FOLLOWING TOPICS:

- Activation of Digital Extras
- Operating the vehicle
- Nearest Mercedes-Benz service centre
- Further products from Mercedes-Benz

Data is transferred during the connection to the Mercedes-Benz Customer Centre (→ page 573).

CALLING THE MERCEDES-BENZ CUSTOMER CENTRE USING THE MULTIMEDIA SYSTEM

Requirements:

- Access to a mobile phone network is available.
- Sufficient network coverage is provided by the mobile phone network providers in the respective region.
- For automatic transmission of vehicle data: the vehicle is switched on.

Multimedia system:



- ▶ Call [Mercedes me connect](#).
 - After confirmation, the multimedia system sends the required vehicle data. The data transfer is shown in the display.

The data transfer is not available in all countries.

- ▶ Select a service via the voice dialogue system.
You will be put in touch with a contact person at the Mercedes-Benz Customer Centre.

THE FOLLOWING SELECTIONS MAY BE AVAILABLE:

- Accident and Breakdown Management
- Workshop service
- Mercedes-Benz Customer Centre for general information about the vehicle





- The availability of the individual selection options is country-dependent.

CALLING THE MERCEDES-BENZ CUSTOMER CENTRE AFTER AUTOMATIC ACCIDENT/BREAKDOWN DETECTION

Requirements:

The vehicle can detect accident or breakdown situations under certain circumstances.

Accident: no requirements.

Breakdown:

- The vehicle is stationary.
- The hazard warning lights are switched on.

Additional requirements may apply for collision detection with a parked vehicle (→ page 362).

- This function is not available in all countries.

ACCIDENT/BREAKDOWN DETECTION PROCEDURE

- The vehicle has detected an accident/breakdown situation (→ page 362).
- If an accident/breakdown is detected, the emergency guide shows safety instructions in the multimedia system display. This may take a few seconds.

Depending on the severity of the accident, an automatic emergency call can be initiated. This has priority over all other active calls (→ page 580).

- ▶ Exit the emergency guide display.
A prompt appears asking whether you would like to receive support from the Mercedes-Benz Customer Centre.
- ▶ **Support from the Mercedes-Benz Customer Centre directly after breakdown/accident detection:** select [Call](#).
 - The vehicle data is transferred automatically after your consent or if the "Breakdown Management" Digital Extra is activated (→ page 576).
 - The Mercedes-Benz Customer Centre takes your call and organises the Accident/Breakdown Assistance.

You may be charged for these services.

- ▶ **Support from the Mercedes-Benz Customer Centre at a later time:** select [Call later](#).
The message will disappear and reappear at a later time.

Additional prompt when the "Guard 360" Digital Extra is active: If the "Guard 360" Digital Extra is active, a message may appear in the multimedia system when the vehicle is switched on after a collision is detected, indicating the affected area and the severity of the impact.

- ▶ **Support from the Mercedes-Benz Customer Centre directly after collision detection:** select [Call](#).
- ▶ **No support from the Mercedes-Benz Customer Centre required:** reject the prompt.





ARRANGING A SERVICE APPOINTMENT VIA A MERCEDES-BENZ CONNECT CALL

If you have activated the Digital Extra Maintenance Management, relevant vehicle data is automatically transferred to the Mercedes-Benz Customer Centre. You will then receive individual recommendations regarding the maintenance of your vehicle.

Regardless of whether you have consented to the maintenance management service, the multimedia system reminds you after a certain amount of time that a service is due. A prompt appears asking if you would like to make an appointment.

► **To arrange a service appointment:** select **Call**.

After your consent, the vehicle data is transferred and the Mercedes-Benz customer centre takes your preferred appointment date. The information is then sent to your desired service outlet.

This will contact you to confirm the appointment and if necessary consult about the details.

- i** If you select **Call later** after the service message appears, the message is hidden and reappears at a later time.

CONSENTING TO DATA TRANSFER FOR A MERCEDES-BENZ CONNECT CALL

Requirements:

- There is an active Mercedes-Benz Connect call via the multimedia system or the me button in the overhead control panel (→ page 570).

- i** The prompt to confirm data transfer does not appear in all countries.

- i** The data transfer is not available in all countries.

If the Accident/Breakdown Management Digital Extras are not activated, a prompt appears to confirm the data transfer.

► Select **Yes**.

- The relevant vehicle data is sent automatically (→ page 573).

or

► Select **No** and confirm.

- Only call control data is transmitted (→ page 573).

More information on Digital Extras: <https://www.mercedes.me>

DATA TRANSMITTED DURING A MERCEDES-BENZ CONNECT CALL

- i** The data transfer is not available in all countries.

If you initiate a Mercedes-Benz Connect call, data is transferred to enable targeted advice and an efficient service.

THE FOLLOWING REQUIREMENTS MUST BE FULFILLED FOR THE TRANSFER OF THE DATA:

- The vehicle is switched on.
- The required data transfer technology is supported by the mobile phone network provider.
- The quality of the mobile connection is sufficient.

MULTI-STAGE TRANSFER DEPENDS ON THE FOLLOWING FACTORS:

- Reason for the initiation of the call



- The available mobile phone transmission technology
- Activated Digital Extras
- The service selected in the voice control system

 A prompt for consent to data transmission is only made if the corresponding Digital Extra has not been activated.

 The scope of the data transmitted depends on the vehicle model and vehicle equipment. For technical reasons, not all data is available at all times.

DATA TRANSMISSION WHEN DIGITAL EXTRAS ARE NOT ACTIVATED

IF NO DIGITAL EXTRAS ARE ACTIVATED AND THE DATA PROTECTION PROMPT HAS BEEN CONFIRMED, THE FOLLOWING DATA ARE TRANSMITTED:

- Vehicle identification number
- Time of the call
- Reason for the initiation of the call
- Confirmation of the data protection prompt
- Country indicator of the vehicle
- Set language for the multimedia system
- Telephone number of the communication platform installed in the vehicle

IF A CALL IS MADE FOR A SERVICE APPOINTMENT VIA THE SERVICE REMINDER, THE FOLLOWING DATA IS ALSO TRANSMITTED:

- Current mileage and maintenance data

IF A CALL IS MADE AFTER AUTOMATIC ACCIDENT OR BREAKDOWN DETECTION USING THE MULTIMEDIA SYSTEM, THE FOLLOWING DATA IS ALSO TRANSMITTED:

- Current mileage and maintenance data
- Current vehicle location

IF THE ACCIDENT AND BREAKDOWN MANAGEMENT SELECTION HAS BEEN MADE VIA THE VOICE DIALOGUE SYSTEM AND NO DIGITAL EXTRA HAS BEEN ACTIVATED, BUT THE DATA PROTECTION PROMPT HAS BEEN CONFIRMED, THE FOLLOWING DATA CAN BE ADDITIONALLY REQUESTED FROM THE VEHICLE BY THE MERCEDES-BENZ CUSTOMER CENTRE:

- Current vehicle location

IF THE DATA PROTECTION PROMPT HAS BEEN REJECTED, THE FOLLOWING DATA IS TRANSMITTED TO ENABLE TARGETED ADVICE AND AN EFFICIENT SERVICE:

- Time of the call
- Reason for the initiation of the call
- Rejection of the data protection prompt
- Country indicator of the vehicle
- Set language for the multimedia system
- Telephone number of the communication platform installed in the vehicle





DATA TRANSMISSION WHEN DIGITAL EXTRAS ARE ACTIVATED

Only in the second step and only for the respective activated Digital Extras, further case-specific data is transmitted in order to enable an optimal service.

An overview of the data transferred is contained in the data protection notes for the Digital Extras. You can find these in your Mercedes me ID.

DATA PROCESSING

The data transmitted as part of the call will be deleted from the transmitting systems once the call has been completed, provided they are not used for other activated Digital Extras.

The incident-specific data is processed and stored in the Mercedes-Benz Customer Centre and, if required to process the incident, forwarded to the service partner authorised by the Mercedes-Benz Customer Centre. Please note the data protection note on the Mercedes-Benz website at <https://www.mercedes.me> or in the announcement immediately after a call to the Mercedes-Benz Customer Centre is connected.

The recorded message is not available in every country.

Mercedes-Benz Connect

INFORMATION ON MERCEDES-BENZ CONNECT

Mercedes-Benz Connect or individual Digital Extras are not available in every country. Find out at a Mercedes-Benz service centre if these functions are available in your country.

Mercedes-Benz Connect comprises a number of Digital Extras.

YOU CAN USE THE FOLLOWING DIGITAL EXTRAS VIA THE MULTIMEDIA SYSTEM AND THE OVERHEAD CONTROL PANEL, FOR EXAMPLE:

- Accident Recovery (me button or the situation-dependent display in the multimedia system)
- Breakdown Management (me button or the situation-dependent display in the multimedia system)
- Mercedes-Benz Emergency Call System (automatic emergency call and SOS button)

The Accident and Breakdown Management Digital Extras and the Mercedes-Benz emergency call centre are available to you around the clock.

The me button and the SOS button can be found on the vehicle's overhead control panel (→ page 570).

You can also call the Mercedes-Benz Customer Centre using the multimedia system (→ page 571).

Please note that Mercedes-Benz Connect is a Mercedes-Benz service. In an emergency, use the emergency call system in the vehicle (→ page 77) or contact the standard national emergency numbers.

Please note the terms of use and data protection notes for Mercedes-Benz Connect.. You can find these in your Mercedes me ID.

Further information on Mercedes-Benz Connect and Digital Extras can be found on the Mercedes-Benz Portal: <https://me.secure.mercedes-benz.com>





ACCIDENT AND BREAKDOWN MANAGEMENT DIGITAL EXTRAS

- The Accident and Breakdown Management Digital Extras are not available in every country. Contact a Mercedes-Benz service centre to find out whether this function is available in your country.

THE ACCIDENT AND BREAKDOWN MANAGEMENT CAN INCLUDE THE FOLLOWING FUNCTIONS:

- Supplement to the Mercedes-Benz emergency call system (→ page 77)
If necessary, the contact person at the Mercedes-Benz emergency call centre forwards the call to Accident and Breakdown Management. Forwarding the call is however not possible in all countries.
- Breakdown assistance by a technician on location and/or the towing away of the vehicle to the nearest Mercedes-Benz service centre
You may be charged for these services.
- Addition to the emergency guide after automatic accident or breakdown detection (→ page 572)
In the event of a breakdown or accident, further vehicle data is sent which enables optimal support by the Mercedes-Benz Customer Centre and the authorised service partner or breakdown assistance.
- Supplement to the Digital Extra Telediagnosis
With the Telediagnosis function, specific wear and failure reports are recorded by the service provider, in so far as these can be clearly interpreted and are available through the monitoring of components that are subject to diagnostics.
If your vehicle detects a breakdown or threat of a breakdown, you may be prompted via the multimedia system to contact the Mercedes-Benz

Customer Centre for further help. This prompt in the multimedia system only appears when the vehicle is stationary.

- These Digital Extras are subject to technical restrictions such as the mobile phone coverage, mobile network quality and the ability of the processing systems to interpret the transferred data. In some circumstances, this can result in delays or the failure of the information to appear in the multimedia system.

Please note that Mercedes-Benz Connect Call is a Mercedes-Benz service. In emergencies, be sure to contact the usual national emergency number first or use the Mercedes-Benz emergency call system (→ page 579).

You can find more information on Digital Extras on the Mercedes-Benz Portal:
<https://me.secure.mercedes-benz.com>

DATA TRANSMITTED WITH A MERCEDES-BENZ CONNECT CALL

- The data transfer is not available in all countries.

THE DATA TRANSFERRED DURING THE MERCEDES-BENZ CONNECT CALL DEPENDS ON:

- The reason for initiation of the call
- The service that is selected in the voice control system
- The activated Digital Extras (→ page 573)

Which data is transferred for the Digital Extras can be taken from the currently valid terms of use and the data protection notes for Digital Extras. You can find these in your Mercedes me ID.



MB Apps (Digital Extras)

INFORMATION ON MB APPS AND DIGITAL EXTRAS

With a Mercedes me ID, you have access to services and offers from Mercedes-Benz.

Availability is dependent both on the country and equipment.

You can obtain further information at a Mercedes-Benz service centre or in the Mercedes-Benz Portal: <https://www.mercedes.me>

CALLING UP YOUR MERCEDES ME ID

Multimedia system:

YOU HAVE A MERCEDES ME ID AND THE VEHICLE IS LINKED TO THE MERCEDES ME ID

- ▶ Select [Mercedes me ID](#).

Information about the linked Mercedes me ID appears.

YOU DO NOT YET HAVE A MERCEDES ME ID AND THE VEHICLE IS NOT YET LINKED TO THE MERCEDES ME ID

 If you do not yet have a Mercedes me ID, you can create a Mercedes me ID at: <https://www.mercedes.me> or in the Mercedes-Benz App. A valid email address or phone number is required for this.

- ▶ Select .
- ▶ Select [MB Apps](#).
- ▶ Select [Mercedes me](#).

- ▶ To link your Mercedes me ID to the vehicle, follow the instructions on the display.

 If the Mercedes-Benz App is available on a mobile phone, the vehicle link can be made via the displayed QR code.

CALLING UP DIGITAL EXTRAS

Requirements:

- The vehicle is linked to your Mercedes me ID.

Multimedia system:

- ▶ Select [My services](#).

The Digital Extras for which you have a valid licence are displayed in alphabetical order.

ORDERING OR RENEWING DIGITAL EXTRAS

To order or extend Digital Extras, use the Mercedes-Benz Store.

- ▶ Select .
- ▶ Select [Store](#).

REMOVING THE LINK BETWEEN YOUR MERCEDES ME ID AND THE VEHICLE

Requirements:

- The Mercedes me ID that was first linked to the vehicle is registered.
- The user profile is synchronised (→ page 485).
- A Mercedes me PIN has been set.





Multimedia system:

   MB Apps  Mercedes me

- ▶ Select [Mercedes me ID](#).
- ▶ Select [Delete vehicle connection](#).

 Only the user whose Mercedes me ID was first linked to the vehicle can delete the link between all users and the vehicle.

SELECTING APPS

Requirements:

- Depending on the app, the general terms and conditions are confirmed.

Multimedia system:

   Apps

- ▶ Select an app.

THE FOLLOWING APPS ARE AVAILABLE, FOR EXAMPLE:

- [Weather](#)
- [Browser](#)
- Additional apps, which are purchased or installed subsequently

 You can also access both of the first two apps via the quick access at [Apps](#).

 The available features are country-dependent.
Licence fees may be applicable.

THE FOLLOWING FUNCTIONS ARE AVAILABLE FOR APPS, FOR EXAMPLE:

- Search function
- Filter function, for displaying search results at the current vehicle position or at the destination
- Display of detailed information
- Read-aloud function
- Setting functions

USING THE GALLERY APP

Multimedia system:

   Apps

- ▶ Select [Gallery](#).

IMAGES AND VIDEO RECORDINGS ARE DISPLAYED FROM THE FOLLOWING SOURCES, FOR EXAMPLE:

- Dashcam video recordings
- Collision detection images
- Video recordings and images from other available sources
- Video recordings of off-road tracks and Emotion Tours
- Video recordings from AMG TRACK PACE
- Favourites

- ▶ Select a tab.

FILTERING DISPLAYS

- ▶ Select .
- ▶ Select an option.

All files, all images or all video recordings are displayed.





PLAYING BACK A VIDEO RECORDING

- ▶ Select .

Playback starts.

- ▶ **To continue playback in full screen mode:** tap on the display.
- ▶ **To pause playback:** select .
- ▶ **To continue playback from the desired position:** move the  position on the timeline by sliding it.
- ▶ **To select the previous or next video recording:** swipe to the right or left.

SCROLLING AND ZOOMING IMAGES

- ▶ **To scroll:** swipe on the image in one direction.
- ▶ **To zoom:** tap twice in quick succession on an image.
- ▶ **To select the previous or next image:** swipe to the right or left.

ADDING OR REMOVING A FILE FROM THE FAVOURITES

- ▶ Press and hold on a file.
 - ▶ Select **Add to favourites/Remove from favourites**.
- A corresponding message appears.

SWITCHING WRITE PROTECTION ON OR OFF

 Active write protection is not supported by every app.

- ▶ Press and hold on a file.
- ▶ Activate  or deactivate  **Write protection**.

DELETING FILES

- ▶ Select .
- ▶ **To delete a single file:** tap on a file.  will appear.
- ▶ **To delete all files:** tap on .
- ▶ **To delete:** select .

A prompt appears.

- ▶ Select **Yes**.

 A single file can be deleted even after a long press on the file.

Mercedes-Benz emergency call system

INFORMATION ON THE MERCEDES-BENZ EMERGENCY CALL SYSTEM

The Mercedes-Benz emergency call system is generally available for your vehicle for 10 years ex works.

The Mercedes-Benz emergency call system only functions in areas where mobile phone coverage is available from the relevant contract partner. Insufficient network coverage from the relevant contract partner may result in an emergency call not being transmitted.

The vehicle must be switched on before an automatic emergency call can be made.

Using the Mercedes-Benz emergency call system is free of charge.





OVERVIEW OF THE MERCEDES-BENZ EMERGENCY CALL SYSTEM

The Mercedes-Benz emergency call system can help to decisively reduce the time between an accident and the arrival of emergency services at the site of the accident. It helps locate an accident site in places that are difficult to access.

An emergency call can be made automatically (→ page 580) or manually (→ page 581). Only make emergency calls if you or others are in need of rescue. Do not make an emergency call in the event of a breakdown or a similar situation.

You can find out about the regional availability of the Mercedes-Benz emergency call system at: <https://www.mercedes-benz-mobile.com/extra/ecall/>

INFORMATION ON THE DISPLAY:

THE FOLLOWING MESSAGES APPEAR IN THE DISPLAY:

- **SOS NOT READY:** the vehicle is not switched on or the emergency call system is malfunctioning. This does not necessarily indicate complete failure of the emergency call system. Emergency calls can still be transmitted.

The display only refers to the vehicle and does not take account of the availability of mobile phone networks and the Mercedes-Benz emergency call centre.

The functional readiness of the emergency call system on the vehicle can be seen when the **SOS NOT READY** display disappears once the vehicle is switched on.

- : the icon appears in the display during an active emergency call.

- If there is a malfunction of the emergency call system, the loudspeakers, microphone, airbag or the SOS button, for example, are faulty.

YOU CAN RECOGNISE A FAULT IN THE EMERGENCY CALL SYSTEM BY THE FOLLOWING DISPLAYS:

- A corresponding message appears on the driver and media display .
- The SOS button lights up red continuously.

TRIGGERING AN AUTOMATIC MERCEDES-BENZ EMERGENCY CALL

Requirements

- The vehicle is switched on.
- The starter battery is sufficiently charged.

THE MERCEDES-BENZ EMERGENCY CALL SYSTEM TRIGGERS AN EMERGENCY CALL AUTOMATICALLY IN THE FOLLOWING CASES:

- After activation of the restraint systems such as airbags or seat belt tensioners after an accident

THE EMERGENCY CALL HAS BEEN MADE:

- A voice connection is made to the Mercedes-Benz emergency call centre.
- A message with accident data is transmitted to the Mercedes-Benz emergency call centre.
- Under certain circumstances data is also transmitted in the voice channel to the Mercedes-Benz emergency call centre.

This allows measures for rescue, recovery or towing to a Mercedes-Benz Service Centre to be initiated quickly.

The SOS button in the overhead control panel flashes until the emergency call is finished.





It is not possible to immediately end an automatic emergency call.

IF AN EMERGENCY CALL HAS BEEN INITIATED:

- Remain in the vehicle if the road and traffic conditions permit you to do so until a voice connection is established with the emergency call centre operator.

TRIGGERING A MANUAL MERCEDES-BENZ EMERGENCY CALL

- ▶ **To use the SOS button in the overhead control panel:** press the SOS button at least one second long (→ page 570).

or

- ▶ **To use voice control:** use the voice commands of the MBUX voice assistant (→ page 465).

THE EMERGENCY CALL HAS BEEN MADE:

- A voice connection is made to the Mercedes-Benz emergency call centre.
- A message with accident data is transmitted to the Mercedes-Benz emergency call centre.
- Under certain circumstances data is also transmitted in the voice channel to the Mercedes-Benz emergency call centre.
This allows measures for rescue, recovery or towing to a Mercedes-Benz Service Centre to be initiated quickly.
- Remain in the vehicle if the road and traffic conditions permit you to do so until a voice connection is established with the emergency call centre operator.

ENDING AN UNINTENTIONALLY TRIGGERED MANUAL MERCEDES-BENZ EMERGENCY CALL

- ▶ **Using the multifunction steering wheel:** select

DATA TRANSFER OF THE MERCEDES-BENZ EMERGENCY CALL SYSTEM

IN THE EVENT OF AN AUTOMATIC OR MANUAL EMERGENCY CALL THE FOLLOWING DATA IS TRANSMITTED, FOR EXAMPLE:

- Vehicle's GPS position data
- GPS position data on the route (a few 100 m before the incident)
- Direction of travel
- Vehicle identification number
- Vehicle drive type
- Number of people detected in the vehicle
- Digital Extras available or not
- Whether the emergency call was initiated manually or automatically
- Time of the accident
- Language setting on the multimedia system

FOR ACCIDENT CLARIFICATION PURPOSES, THE FOLLOWING MEASURES CAN BE TAKEN UP TO AN HOUR AFTER THE EMERGENCY CALL HAS BEEN INITIATED:

- The current vehicle position can be determined.
- A voice connection to the vehicle occupants can be established.

SELF-DIAGNOSIS FUNCTION OF THE EMERGENCY CALL SYSTEM

Your vehicle checks the functionality of the emergency call system every time the vehicle is switched on. During this time, the SOS button lights up red continuously for five seconds. In the event of a system failure, you will be informed via a text message on the driver's display and the red **SOS NOT READY** indicator on the central display or media display.

Please, make sure, that during 30 seconds after switching vehicle ON the red indicator SOS NOT READY in the upper right corner of display is switched OFF, this means the emergency call system passed diagnostics successfully.





Online and Internet functions

Internet connection

INFORMATION ON CONNECTING TO THE INTERNET

WARNING

Risk of distraction from information systems and communications equipment

If you operate information systems and communication devices integrated in the vehicle when driving, you could be distracted from the traffic situation. This could also cause you to lose control of the vehicle.

- ▶ Only operate this equipment when the traffic situation permits.
- ▶ If you cannot be sure of this, stop the vehicle whilst paying attention to road and traffic conditions and operate the equipment with the vehicle stationary.

You must observe the legal requirements for the country in which you are currently driving when operating the multimedia system.

WARNING

Risk of accident from operating mobile communication equipment while the vehicle is in motion

Mobile communication devices distract the driver from the traffic situation. This can also cause the driver to lose control of the vehicle.

- ▶ As a driver, only operate mobile communication devices when the vehicle is stationary.
- ▶ As a vehicle occupant, use mobile communication devices only in the designated area, e.g. in the rear passenger compartment.

You must observe the legal requirements for the country in which you are currently driving when operating mobile communication equipment in the vehicle.

DEPENDING ON THE VEHICLE'S EQUIPMENT AND AVAILABILITY IN THE COUNTRY, YOU CAN ESTABLISH AN INTERNET CONNECTION IN THE FOLLOWING WAYS:

- **Vehicles with a communication module:**
 - Using the communication module including data roaming
(→ page 583)
 - Using Bluetooth® or Wi-Fi with a data-enabled mobile phone
- **Vehicles without a communication module:**
 - Using Bluetooth® with a data-enabled mobile phone





- Using Wi-Fi with a data-enabled mobile phone

The Internet functions can only be used to a limited degree whilst driving.

SETTING UP AN INTERNET CONNECTION USING THE COMMUNICATION MODULE

Requirements:

- The vehicle is equipped with a permanently installed communication module.
- A Mercedes me ID is available.
- The vehicle is linked to a Mercedes me ID.
- The Entertainment Package is active.
- The Comfort Data Volume service is active.

Multimedia system:

- ▶▶  ▶▶ Settings ▶▶ System ▶▶ Internet and Bluetooth
- ▶▶ Manage Internet access
- ▶ Select **Data package**.

For most Digital Extras, data volume can be obtained when procuring the Digital Extras.

Additional data volume is required to use some functions, e.g. web browser or Wi-Fi hotspot.

If the data volume is reached, availability of the Digital Extras is limited.

Depending on the vehicle equipment, you can obtain an Entertainment Package via the Mercedes-Benz Store. In order to use the data package included, you must conclude your own contract with a mobile phone network provider via the Mercedes-Benz App. This can be terminated at any time and incurs no

costs. Without this contract it is not possible to use the services included in the previously acquired Entertainment Package. The availability of this option is dependent on the country.

If the data package option is not available or can be upgraded, you can purchase data volume directly from the mobile phone network provider for a fee. The availability of this option is dependent on the country.

 Visit a Mercedes-Benz service centre to find out whether it is possible to purchase data volume in your country directly from a mobile phone network provider.

 Alternatively, and if available, you can utilise the tethering function of a mobile phone via Wi-Fi or Bluetooth® to use the web browser or Wi-Fi hotspot.

 With external Wi-Fi hotspots, which are encrypted via TKIP, online software updates cannot be carried out via the external Wi-Fi hotspot.

DISCONNECTING THE AUTOMATIC INTERNET CONNECTION VIA COMMUNICATION MODULE

Requirements:

- Wi-Fi or Bluetooth® tethering are available in the vehicle.





Multimedia system:

  Settings  System  Internet and Bluetooth

 Manage Internet access

► Select the  settings in the line of **Data package**.

► **To disconnect the automatic connection:** select the **Delete entry** option.

-  The communication module is removed from the list of known hotspots, but can be reconnected manually at any time (→ page 583).

The **Delete entry** option permits the use of purchased data volume to be limited. The system is prevented from automatically establishing a connection to the communication module after this option has been activated.

SETTING UP AN INTERNET CONNECTION VIA WLAN

Requirements:

- The Wi-Fi function is activated on the multimedia system (→ page 497).
- The Wi-Fi hotspot function is activated on the mobile phone (see the manufacturer's operating instructions).
- Internet access via Wi-Fi is activated (see the manufacturer's operating instructions).

Multimedia system:

  Settings  System  Internet and Bluetooth

 Manage Internet access

-  This function is country-dependent.

The mobile phone is listed in the Internet device manager

► Select the mobile phone with the  Wi-Fi symbol.

The mobile phone is not listed in the Internet device manager

► Select **Search for access**.

► Select the mobile phone with the  Wi-Fi symbol.

It may take a few seconds until the device is found by the Wi-Fi search.

► Log in to the Wi-Fi network (→ page 497).

THE INTERNET CONNECTION VIA WI-FI IS RESTRICTED OR DOES NOT FUNCTION IN THE FOLLOWING CASES:

- The mobile phone is switched off.
- Mobile data use is deactivated on the mobile phone.
- The Wi-Fi function is deactivated on the multimedia system.
- The Wi-Fi function is deactivated on the mobile phone.
- Internet access via Wi-Fi is deactivated on the mobile phone.

SETTING UP AN INTERNET CONNECTION VIA BLUETOOTH®

Requirements:

- The mobile phone supports the Bluetooth® profile PAN (Personal Area Network).
- The mobile phone is connected to the multimedia system via Bluetooth® (→ page 553).
- Internet access via Bluetooth® is activated (see the manufacturer's operating instructions).





Multimedia system:

▶  ► Settings ► System ► Internet and Bluetooth
 ► Manage Internet access

 This function is country-dependent.

The mobile phone is listed in the Internet device manager

- ▶ Select the mobile phone with the  Bluetooth® symbol.

The mobile phone is not listed in the Internet device manager

- ▶ Select **Search for access**.

In the list displayed, all mobile phones already known to the multimedia system are shown. New devices can be set up using the phone application.

- ▶ Connect the mobile phone using Bluetooth® (→ page 553).

 If a new mobile phone is connected using Bluetooth®, this is also used for the telephone application.

THE INTERNET CONNECTION VIA BLUETOOTH® IS RESTRICTED OR DOES NOT FUNCTION IN THE FOLLOWING CASES:

- The mobile phone is switched off.
- The mobile phone network coverage is insufficient.
- Mobile data use is deactivated on the mobile phone.
- The Bluetooth® function on the multimedia system is switched off and the mobile phone is to be connected via Bluetooth®.
- The Bluetooth® function is switched off on the mobile phone and the mobile phone is to be connected via Bluetooth®.

- Neither the mobile phone network nor the mobile phone allow simultaneous use of a telephone and an Internet connection.
- The mobile phone has not been enabled for Internet access via Bluetooth®.

CANCELLING INTERNET ACCESS PERMISSION FOR A MOBILE PHONE

Multimedia system:

▶  ► Settings ► System ► Internet and Bluetooth
 ► Manage Internet access

- ▶ Select options  next to the name of the mobile phone.
- ▶ Select **Delete configuration**.
- ▶ Select **Yes**.

ESTABLISHING AN INTERNET CONNECTION

Multimedia system:

▶  ► Apps

- ▶ For example, select  **Browser**.

If you select a function that requires an Internet connection and the system is currently offline, a menu opens with a selection of possible Internet accesses as well as all tethering devices that are within range.

- ▶ Select an Internet access from the list.
 The Internet connection is established.

 The list of possible Internet connections can also be displayed using the extended status line.





 Depending on the vehicle equipment and country availability, you can establish an Internet connection via the communication module or connected mobile phones.

 The availability of the web browser depends on the country.

Connection status

CONNECTION STATUS OVERVIEW

DEPENDING ON THE CONNECTION STATUS, THE FOLLOWING SYMBOLS CAN APPEAR ON THE MEDIA DISPLAY IN THE STATUS LINE:

- : a Wi-Fi device is selected as Internet access.
- : a Bluetooth® device is selected as Internet access.
- Mobile communications standard (e.g. 4G + double arrow symbol): the communication module is selected as the hotspot.

DISPLAYING THE CONNECTION STATUS

Multimedia system:



- ▶ Briefly press the status line.
The extended status line is displayed.
- ▶ Briefly press the Internet symbol in the symbol overview.
The current connection status is displayed.

NOTES ON DISPLAYING THE CONNECTION STATUS

- When connecting via Wi-Fi, the connection status and device name are displayed.

- When connecting via a Bluetooth® device, the connection status, device name, and network type are displayed.
- In the case of a connection via the communication module the following status information can be shown:
 - Type of network
 - Status (online, offline, data volumes available or used, limited service)
- For vehicles with a communication module, the connection data of non-user paid Digital Extras can be displayed via [Mercedes me connect](#).

Web browsers

CALLING UP A WEB PAGE

WARNING

Risk of distraction from information systems and communications equipment

If you operate information systems and communication devices integrated in the vehicle when driving, you could be distracted from the traffic situation. This could also cause you to lose control of the vehicle.

- ▶ Only operate this equipment when the traffic situation permits.
- ▶ If you cannot be sure of this, stop the vehicle whilst paying attention to road and traffic conditions and operate the equipment with the vehicle stationary.

You must observe the legal requirements for the country in which you are currently driving when operating the multimedia system.





Multimedia system:



CALLING UP A NEW WEB PAGE

- ▶ Select [Search](#).
- ▶ Entering a web address.
- ▶ Select [OK](#).

i The function is country-dependent.

i No web pages can be displayed on the multimedia system while driving.

CALLING UP A WEBSITE FROM THE BROWSER HISTORY

- ▶ To call up the previous page from the history: select

WEB BROWSER OVERVIEW



- ①** Previous website
- ②** Next website
- ③** Update
- ④** URL

- ⑤** Adds/removes bookmarks

- ⑥** Options

- ⑦** Settings

i UNDER [...] YOU HAVE THE FOLLOWING OPTIONS:

- Tabs
- Bookmarks & history
- Reading mode
- Share link
- Share content
- Request mobile website

CALLING UP WEB BROWSER OPTIONS

Multimedia system:



THE FOLLOWING FUNCTIONS ARE AVAILABLE:

- Bookmarks
- Browsing history
- Entered URLs
- ▶ Select an option.
- ▶ Change the settings.





CALLING UP THE WEB BROWSER SETTINGS

Multimedia system:

THE FOLLOWING FUNCTIONS ARE AVAILABLE:

- Block popups
 - Enable cookies
 - Enable Javascript
- Switch a function on  or off .

DELETING BROWSER DATA

Multimedia system:

THE FOLLOWING SPECIFIC BROWSER DATA CAN BE DELETED:

- Cache
 - Cookies
 - Form data
- Select one of the options shown.

MANAGING BOOKMARKS

Multimedia system:

- Select [Bookmarks & history](#).
- Select  after the bookmark.
- A menu with options opens.

THE FOLLOWING OPTIONS ARE AVAILABLE:

- Delete entry
- Delete all

- Edit
- Share

- Select one of the options shown.

MANAGING TABS

Multimedia system:

OPENING A NEW TAB

- Select [New tab](#).

CHANGING TAB

- Select the icon for the desired tab.

CLOSING A TAB

- Press and hold the icon of the tab to be closed until a menu appears.
- Select [Close](#).
- The tab is closed.

PRIVATE MODE

- Switch private mode on  or off .

If the private mode is switched on, an icon appears in the input line of the web browser.

 In private mode, neither the history nor cookies are saved.
Bookmarks can also be created in private mode.





SHARING URLs FROM THE WEB BROWSER

Requirements:

- To share via QR code: an app for scanning the QR code is installed on the mobile device.

Multimedia system:



SHARING URLs VIA QR CODE

- Select [Share link](#).
A QR code appears.
- Scan the displayed QR code with a mobile device.

SHARING URLs WITH ANOTHER DISPLAY

- Select [Share content](#).
- In the menu drag and drop a display to another display.
The displayed web page opens on the other display.

SETTING THE WEB BROWSER IN THE BACKGROUND

Multimedia system:



- Press .
- Audio playback continues.





< Media

Information about media mode

INFORMATION ABOUT SUPPORTED FORMATS AND DATA STORAGE MEDIA

⚠ WARNING

Risk of distraction when handling data storage media

If you handle a data storage medium while driving, your attention is diverted from the traffic conditions. This could also cause you to lose control of the vehicle.

- ▶ Only handle a data storage medium when the vehicle is stationary.

SUPPORTED FORMATS AND DATA STORAGE MEDIA:

Permissible file systems FAT32, exFAT, NTFS

Permissible data storage media USB devices, iPod®/iPhone®, MTP devices, Bluetooth® audio devices

Supported audio formats MP3, WMA, AAC, WAV, FLAC, ALAC

Supported video formats MPEG, AVI, MKV, MP4, M4V, WMV

- Data storage media up to 2 TB are supported (32-bit address space).
- Due to the large variety of available music and video files regarding encoders, sampling frequency and data transfer rates, playback cannot be guaranteed.
- Due to the wide range of USB devices available on the market, playback cannot be guaranteed for all USB devices.
- Videos up to FullHD (1920x1080) are supported.
- Copy-protected music and video files or DRM (Digital Rights Management) encrypted files cannot be played back.
- MP3 players must support Media Transfer Protocol (MTP).
- Files with the corresponding format can be played back from the USB device in Dolby Atmos.

INFORMATION ON COPYRIGHT PROTECTION AND TRADEMARKS

Audio files which you create yourself (e.g. copies of data storage media you make yourself) are generally subject to copyright protection. In many countries, reproductions are not permitted without the prior consent of the copyright holder, even for private use. Make sure that you know about the applicable copyright regulations and that you comply with these.

(i) OBSERVE THE FOLLOWING NOTES:

- The multimedia system supports a total of up to 50,000 files.





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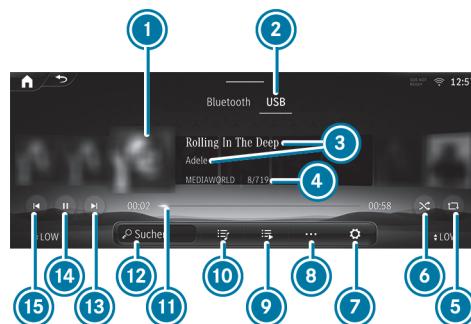




TIDAL

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Overview of the media menu



- ① Album cover
- ② Active media source
- ③ Track and artist
- ④ Active data storage medium and current track number/track in playback list
- ⑤ Repeat
- ⑥ Random playback
- ⑦ Settings
- ⑧ Additional options
- ⑨ Additional categories
- ⑩ Playlists and categories
- ⑪ Timeline
- ⑫ Media search
- ⑬ Next track or fast forward
- ⑭ Controls playback
- ⑮ Previous track or fast rewind

Connecting the data storage medium to the multimedia system

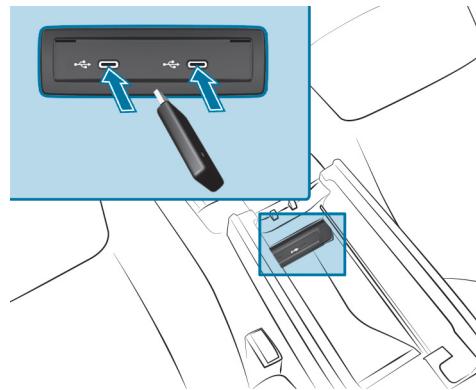
CONNECTING USB DEVICES

! NOTE

Damage caused by high temperatures

High temperatures can damage USB devices.

- ▶ Remove the USB device after use and take it out of the vehicle.



A multimedia connection unit is found in the stowage compartment under the armrest and has two type C USB ports. Depending on the vehicle's equipment, additional USB ports can be found in the storage compartment of the centre console.

- ▶ Connect the USB device to the USB port.

SEARCHING FOR AND AUTHORISING A BLUETOOTH® AUDIO DEVICE

Requirements:

- Bluetooth® is activated on the multimedia system and audio device.
- The audio device supports the Bluetooth® audio profiles A2DP and AVRCP.
- The audio device is "visible" for other devices.

Multimedia system:



AUTHORISING A NEW BLUETOOTH® AUDIO DEVICE

- ▶ Select **Connect device**.
Detected equipment is displayed in the device list.

- ▶ Select an audio device.

Authorisation starts. A code is displayed on the multimedia system and on the mobile phone.

- ▶ If the codes are identical, confirm on the audio device.

- ▶ Select **No, only music**.

The Bluetooth® audio device is connected with the multimedia system.

CONNECTING A PREVIOUSLY AUTHORISED BLUETOOTH® AUDIO DEVICE

- ▶ Select a Bluetooth® audio device from the list.
The connection is being established.

Starting media playback

Requirements:

- A data storage medium is connected to the multimedia system.

Multimedia system:



- ▶ Select a media source.

Controlling media playback

Multimedia system:



- ▶ **To pause playback:** select .
- ▶ **To continue playback:** select .





- ▶ **To repeat a track:** select .

FOR THE REPEAT FUNCTION THERE ARE THE FOLLOWING SETTINGS:

- **Select once:** the active playlist is repeated.
- **Select twice:** the current track is repeated.
- **Select three times:** the repeat function is deactivated.

- ▶ **To play back tracks in random order:** select .

- ▶ **To rewind or fast-forward a track:** tap on the desired point on the timeline.

- ▶ **To select the next track:** select .

- ▶ **To select the previous track:** select .

- ▶ **To scroll through tracks quickly:** press and hold  or .

- ▶ **To show the current track list:** select .

Additional options for setting media playback

Multimedia system:



CALLING UP ADDITIONAL OPTIONS

- ▶ Select .

The additional options are shown.

- ▶ Select an option.

Media search

NOTES ABOUT THE SEARCH FUNCTION IN CATEGORIES

Under  you can search through all available media files. There are several categories available for selection. The categories shown depend on the connected device and data format.

- ① The categories are available as soon as the entire media content has been read in and analysed.
Availability of the media search with Android devices may be limited.

STARTING A SEARCH IN CATEGORIES

Multimedia system:



- ▶ Select a category.

USING THE KEYWORD SEARCH

Multimedia system:



You can look for content using the keyword search with free text input.

- ▶ Select .

A keyboard for character entry appears.

- ▶ Enter the term searched for.

- ① The search begins with the first character entered. The more characters entered the more concrete the search results become.





- ▶ Select the desired entry from the result list.

If a list with several tracks is selected, then this is opened in the search.

To playback all of the tracks in the list, select **...** and then **Play now**.





< Radio

Switching on the radio

Multimedia system:

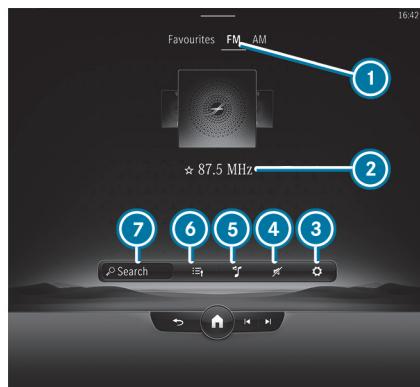


- ▶ Start the application on the multimedia system home screen.
The radio menu appears. You will hear the last station played on the last frequency band selected.

- ⑤ Sound settings
- ⑥ Station list
- ⑦ Search

i The availability of the frequency bands is dependent on the equipment.

Radio overview



- ① Active frequency band
- ② Sets frequency and station name (if available)
- ③ Settings
- ④ Mutes volume

Setting the frequency band

Multimedia system:



- ▶ Select a frequency band or a favourite in the selection above the preview image.

Selecting a radio station

Multimedia system:



- ▶ Swipe to the left or right on the control element or select a radio station.





Calling up the radio station list

Multimedia system:



- ▶ Select

The station list appears.

- ▶ Swipe the station list up or down.
- ▶ Select a station.

Searching for radio stations using station names or frequency entry

Multimedia system:



- ▶ Select .
- ▶ Enter a station name or frequency.
- ▶ Select a station.

Selecting a recommended radio station

Requirements:

- The multimedia system has gathered sufficient data in order to show station suggestions.

Multimedia system:



- ▶ Select .

The recommended stations are shown.

- ▶ Select a suggested station.
- ▶ The selected station is played.

Storing radio stations

Multimedia system:



- ▶ Select a radio station.
- ▶ Select .

Managing favourites

Multimedia system:



MOVING STATIONS

- ▶ Press
- ▶ The list of favourites appears.
- ▶ Press to the far right of the station name.
- ▶ Select **Move**.
- ▶ Move the station to the new position.





Showing or hiding lyrics

 The function is equipment-dependent.

Multimedia system:



SHOWING LYRICS

- ▶ Select [Show lyrics](#).
The lyrics, album cover, title and artist of the song currently playing on the radio are displayed.
Swipe up or down to go to the bottom or top section of the lyrics.
If no lyrics are available for the song currently playing on the radio, [Show lyrics](#) is greyed out.

HIDING LYRICS

- ▶ Select the cross at the top of the lyrics display.
or
▶ Select .

The radio menu appears.





< Sound

Sound settings

INFORMATION ABOUT THE SOUND SYSTEM

The sound system has a total output of 100 W and is equipped with six speakers. It is available for all functions in the radio and media modes.

 The call can also be made from other audio sources. Replace Media with, for example, Radio in the menu path.

CALLING UP THE SOUND MENU

Multimedia system:

- ▶ Select one of the functions shown to make settings.

ADJUSTING TREBLE, MID-RANGE AND BASS SETTINGS

Multimedia system:

- ▶ Set Treble, Mid or Bass.

SWITCHING LOUDNESS NORMALISATION ON OR OFF

Multimedia system:

The function compensates for differing loudness when changing between audio sources and within an audio source. Several levels are available for this purpose. The currently set level is displayed.

Loudness normalisation can also be switched off.

- ▶ Switch on one level.

or

- ▶ Switch off loudness normalisation.

SETTING THE BALANCE AND FADER

Multimedia system:

ADJUSTING THE BALANCE

- ▶ In the grid shown, move the volume distribution between the right and left speakers in the vehicle.

The volume is distributed between the right and left-hand speakers.

ADJUSTING THE FADER

- ▶ In the grid shown, move the volume distribution between the front and rear speakers in the vehicle.

The volume is distributed between the front and rear speakers.

SWITCHING THE GREETING TONE ON/OFF

Multimedia system:

SWITCHING ON THE GREETING TONE

If the [Greeting tone](#) is switched on and you enter the vehicle, the vehicle will welcome you with a corresponding sound.

- ▶ Tap on  in order to switch on the [Greeting tone](#).





SWITCHING OFF THE GREETING TONE

- ▶ Tap on  in order to switch off the [Greeting tone](#).

Burmester® surround sound system

INFORMATION ABOUT THE BURMESTER® SURROUND SOUND SYSTEM

The Burmester® surround sound system is equipped with 12 loudspeakers. It is available for all functions in the radio and media modes.

-  The call can also be made from other audio sources. Replace Media with, for example, Radio in the menu path.

CALLING UP THE SOUND MENU IN THE BURMESTER® SURROUND SOUND SYSTEM

Multimedia system:



- ▶ Select one of the functions shown to make settings.

ADJUSTING THE TREBLE, MID AND BASS SETTINGS ON THE BURMESTER® SURROUND SOUND SYSTEM

Multimedia system:



- ▶ Set [Treble](#), [Mid](#) or [Bass](#).

SWITCHING LOUDNESS NORMALISATION IN THE BURMESTER® SURROUND SOUND SYSTEM ON OR OFF

Multimedia system:



The function compensates for differing loudness when changing between audio sources and within an audio source. Several levels are available for this purpose. The currently set level is displayed.

Loudness normalisation can also be switched off.

- ▶ Switch on one level.

or

- ▶ Switch off loudness normalisation.

ADJUSTING THE BALANCE AND FADER IN THE BURMESTER® SURROUND SOUND SYSTEM

Multimedia system:



ADJUSTING THE BALANCE

- ▶ Move the volume distribution between the right and left sides of the vehicle in the grid shown.
The volume is distributed between the speakers on the left and right sides in the vehicle.

ADJUSTING THE FADER

- ▶ Move the volume distribution between the front and rear of the vehicle in the grid shown.
The volume is distributed between the speakers in the front and rear of the vehicle.

-  Setting [0](#) is recommended for high quality music and voice reproduction.

SETTING THE BALANCE AND FADER

- ▶ Move the volume distribution between the right and left side of the vehicle and the front and rear of the vehicle in the grid shown.
The volume is distributed between the left and right and front and rear loudspeakers in the vehicle.





SELECTING A SOUND PROFILE IN THE BURMEISTER® SURROUND SOUND SYSTEM

Multimedia system:



SETTING AN EXISTING SOUND PROFILE

- ▶ Select a sound profile.

SETTING UP A PERSONAL SOUND PROFILE

- ▶ Select **Personal sound profile** and .
- ▶ Select **Reconfigure**.
- ▶ Restart the set-up assistant.

SETTING UP A PERSONAL SOUND PROFILE FOR THE FIRST TIME:

- ▶ Select **Personal sound profile**.
- ▶ Open the set-up assistant with **Start**.
- ▶ Observe the messages on the display and select the preferred settings.
The personal sound profile is created with the selected settings and can be selected in the **Sound profiles** menu.

CHANGING INDIVIDUAL SETTINGS OF THE PERSONAL SOUND PROFILE

AT A LATER DATE:

- ▶ Select **Personal sound profile** and .
- ▶ Adjust the desired settings.

The availability of a **Personal sound profile** is dependent on the equipment.

The set-up assistant is available when the vehicle is stationary.

ADJUSTING THE SOUND FOCUS IN THE BURMEISTER® SURROUND SOUND SYSTEM

Multimedia system:



- ▶ Select a seat or seat row for the sound focus.

The sound focus is activated.

or

- ▶ Select the seat or seat row again.

The sound focus is deactivated.

Advanced sound system

INFORMATION ABOUT THE ADVANCED SOUND SYSTEM

The Advanced Sound System is equipped with ten speakers. It is available for all functions in the radio and media modes.

The call can also be made from other audio sources. Replace Media with, for example, Radio in the menu path.

CALLING UP THE SOUND MENU IN THE ADVANCED SOUND SYSTEM

Multimedia system:



ADJUSTING SOUND SETTINGS

- ▶ Select one of the functions shown.





ADJUSTING TREBLE, MID-RANGE AND BASS SETTINGS IN THE ADVANCED SOUND SYSTEM

Multimedia system:



- ▶ Set Treble, Mid or Bass.

SWITCHING LOUDNESS NORMALISATION IN THE ADVANCED SOUND SYSTEM ON OR OFF

Multimedia system:



SWITCHING OFF LOUDNESS NORMALISATION

- ▶ Switch on one level.

or

- ▶ Switch off loudness normalisation.

SETTING THE BALANCE/FADER IN THE ADVANCED SOUND SYSTEM

Multimedia system:



ADJUSTING THE BALANCE

- ▶ Move the volume distribution between the right and left sides of the vehicle in the grid shown.

The volume is distributed between the speakers on the left and right sides in the vehicle.

ADJUSTING THE FADER

- ▶ Move the volume distribution between the front and rear of the vehicle in the grid shown.

The volume is distributed between the speakers in the front and rear of the vehicle.





< Maintenance and care

This interactive PDF works like a website – tap or click a button to jump straight to where you want to go.

You can return here at any time via the navigation bar at the top left.

ASSYST PLUS service interval display



Maintenance Management



Calibrating the high-voltage battery



Telediagnostics



Engine compartment



Cleaning and care





< ASSYST PLUS service interval display

Function of the ASSYST PLUS service interval display

The ASSYST PLUS service interval display on the driver's display provides information on the remaining time or distance before the next service due date.

You can hide this service display using the back button  on the steering wheel.

DEPENDING ON HOW THE VEHICLE IS USED, THE ASSYST PLUS SERVICE INTERVAL DISPLAY MAY SHORTEN THE SERVICE INTERVAL, E.G. IN THE FOLLOWING CASES:

- Mainly short-distance driving
- When the engine is often left idling for long periods
- In the event of frequent cold start phases
- **Vehicles with diesel particulate filters:** in the event of frequently interrupted regeneration of the diesel particulate filter

Mercedes-Benz recommends avoiding such operating conditions.

You can obtain information concerning the servicing of your vehicle from a qualified specialist workshop, e.g. a Mercedes-Benz Service Centre.

Displaying the service due date

Driver display:



Service

The next service due date is displayed.

- ▶ **To exit the display:** press the back button  on the steering wheel.

Information on regular maintenance work



NOTE

Premature wear through failure to observe service due dates

Maintenance work which is not carried out at the right time or incompletely can lead to increased wear and damage to the vehicle.

- ▶ Adhere to the prescribed service intervals.
- ▶ Always have the prescribed maintenance work carried out at a qualified specialist workshop.



Notes on special service requirements

The prescribed service interval is based on normal operation of the vehicle. Have the maintenance work carried out more often than prescribed if operating conditions are difficult or the vehicle is subject to increased stress.

The ASSYST PLUS service interval display is only an aid. It is the responsibility of the driver of the vehicle to have maintenance work carried out more often than prescribed due to actual operating conditions and/or stresses.

EXAMPLES OF ARDUOUS OPERATING CONDITIONS:

- Regular city driving with frequent intermediate stops
- Mainly short-distance driving
- Frequent operation in mountainous terrain or on poor road surfaces
- When the engine is often left idling for long periods
- Operation in particularly dusty conditions and/or if air-recirculation mode is frequently used

In these or similar operating conditions, have the interior air filter, air filter, engine oil and oil filter, for example, changed more frequently. Check the tyres more frequently if the vehicle is operated under increased stress. Further information can be obtained at a qualified specialist workshop.

Battery disconnection periods

The ASSYST PLUS service interval display can calculate the service due date only when the battery is connected.

- ▶ Display and note down the service due date on the driver display before disconnecting the battery (→ page 604).





< Maintenance Management

Notes about Maintenance Management

If the Maintenance Management service is activated, relevant data is automatically transferred to the Mercedes-Benz customer centre.

The customer centre transmits the data to the service partner that you have entered on the Mercedes-Benz website at: <https://www.mercedes.me>. You will then receive individual recommendations regarding the maintenance of your vehicle.

 The calculation of the optimal transmission time of the maintenance request to the service partner is subject to technical limitations that may cause the maintenance recommendation to be perceived as too early or too late or not to be made at all. In this case, you can conveniently arrange a maintenance appointment with the customer centre via the maintenance reminder in the multimedia system.

 Maintenance Management and the maintenance reminder in the multimedia system are not available in every country. Contact a Mercedes-Benz service centre to find out whether this function is available in your country.

Data transferred when using Maintenance Management

When the service is activated, relevant data is automatically transferred to determine the required scope of maintenance as well as fault detection and fault rectification.

Details on data transmission can be found in the data protection information for Mercedes-Benz connect services. These can be found at: <https://www.mercedes.me> under "My Account", "Data Protection & Legal Notice".

 Maintenance Management and the maintenance reminder in the multimedia system are not available in every country.





< Calibrating the high-voltage battery

Calibrating the high-voltage battery

High-voltage batteries with LFP cells must be calibrated regularly in order to ensure that the range, charging time and state of charge are displayed as precisely as possible.

If the high-voltage battery is charged to 100 %, a regular calibration takes place.

In order to determine the current battery capacity, a full calibration must be carried out every six months:

- ▶ Park the vehicle overnight or for at least four hours with a state of charge of 0 % at an outside temperature of more than 20 °C. Do not move, open or switch on the vehicle during this time.
- ▶ Then charge the vehicle to 100 % at a charging station. At the end of the charging process, leave the vehicle parked for at least two hours.





< Telediagnostics

Notes about Teledagnosis

-  This service is not available in all countries.

The vehicle can detect if certain wear parts need to be replaced or if malfunctions have occurred in vehicle systems. If the Teledagnosis service is activated, relevant data is automatically transmitted to the manufacturer. If fault conditions are detected by the vehicle system self-diagnosis, the system transmits recommendations for action to the Mercedes-Benz customer centre depending on the fault detected. The customer centre transmits the data to the service partner that you have entered on the Mercedes-Benz website at: <https://www.mercedes.me>.

For selected faults, the notification that a malfunction has been detected may appear in the multimedia system with a request to contact the Mercedes-Benz Customer Centre. From this message, a call can be made directly to the customer centre for assistance.

-  The transmission of a notification to the multimedia system depends on the country, vehicle model and equipment and requires a fast data connection, over which the service provider has no influence.

-  Reliable fault detection is subject to technical limitations. Therefore, only a limited selection of faults can be detected and rec-

ommendations for action transmitted to the customer centre and the service partners. Mercedes-Benz AG is continuously working on the expansion of this service. The fault detection depends on the country, vehicle model and equipment.

Data transferred when using Teledagnosis

When the service is activated, relevant data is automatically transferred to determine the required scope of maintenance as well as fault detection and fault rectification.

Details on data transmission can be found in the data protection information for Mercedes-Benz connect services. These can be found at: <https://www.mercedes.me> under "My Account", "Data Protection & Legal Notice".

-  The scope of the transmitted data depends on the vehicle model and its equipment. For technical reasons, not all data is available at all times.





< Engine compartment

Active bonnet (pedestrian protection)

OPERATION OF THE ACTIVE BONNET (PEDESTRIAN PROTECTION)

In certain accident situations, the actuation of the active bonnet reduces the risk of injury to pedestrians. The rear area of the bonnet is raised by approximately 70 mm.

For the drive to the workshop, reset the actuated active bonnet yourself (→ page 609).

After the active bonnet has been actuated, pedestrian protection may be limited.

Have the full functionality of the active bonnet restored in a qualified specialist workshop.

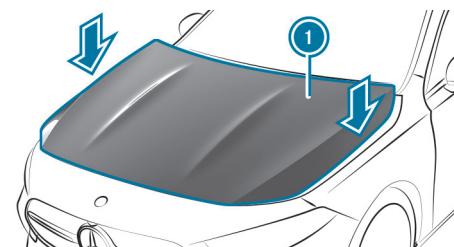
RESETTING THE ACTIVE BONNET

WARNING

Risk of burns from hot component parts in the engine compartment

Certain component parts in the engine compartment can be very hot, e.g. the engine, the cooler and parts of the exhaust system.

- ▶ Allow the engine to cool down and only touch component parts described in the following.



- ▶ With your hand flat, push down active bonnet ① in the area around the hinges on both sides (arrows).
In doing so, the actuator is depressurised and you may hear a hissing sound.
The engine bonnet must engage in position.
- ▶ If the active bonnet can be raised slightly at the rear in the area of the hinges, repeat the step until it engages correctly.



Opening and closing the bonnet

DANGER

Risk of fatal injuries when carrying out maintenance work during the charging process

During the charging process, the high-voltage on-board electrical system is under high voltage.

- ▶ Do not perform any maintenance work during the charging process.

WARNING

Risk of accident due to driving with the bonnet unlocked

The bonnet may open and block your view.

- ▶ Never release the bonnet when driving.
- ▶ Before every trip, ensure that the engine bonnet is locked.

WARNING

Risk of accident and injury when opening and closing the bonnet

The bonnet may suddenly drop into the end position.

There is a risk of injury for anyone in the engine bonnet's range of movement.

- ▶ Do not open or close the bonnet if there is a person in the bonnet's range of movement.

WARNING

Risk of burns when opening the bonnet

IF YOU OPEN THE BONNET IN THE EVENT OF AN OVERHEATED ENGINE OR FIRE IN THE ENGINE COMPARTMENT, THE FOLLOWING SITUATIONS MAY OCCUR:

- You may come into contact with hot gases.
- You may come into contact with other escaping hot operating fluids.
- ▶ Before opening the bonnet, allow the engine to cool down.
- ▶ In the event of a fire in the engine compartment, keep the bonnet closed and call the fire service.

WARNING

Risk of injury due to moving parts

Components in the engine compartment may continue to run or start unexpectedly even when the drive system is switched off.

Observe the following if you must open the bonnet:

- ▶ Switch off the vehicle.
- ▶ Never touch the danger zones surrounding moving components, e.g. the rotation area of the fan.
- ▶ Remove jewellery and watches.
- ▶ Keep items of clothing and hair away from moving parts.

**⚠ WARNING**

Risk of injury from touching components under voltage

The ignition system and the fuel injection system operate at high voltage. You could receive an electric shock.

- ▶ Never touch ignition system or fuel injection system components when the vehicle is switched on.

THE LIVE COMPONENTS INCLUDE THE FOLLOWING, FOR EXAMPLE:

- Ignition coils
- Fuel injectors
- Electric lines to the ignition coils and the fuel injectors

⚠ WARNING

Risk of burns from hot component parts in the engine compartment

Certain component parts in the engine compartment can be very hot, e.g. the engine, the cooler and parts of the exhaust system.

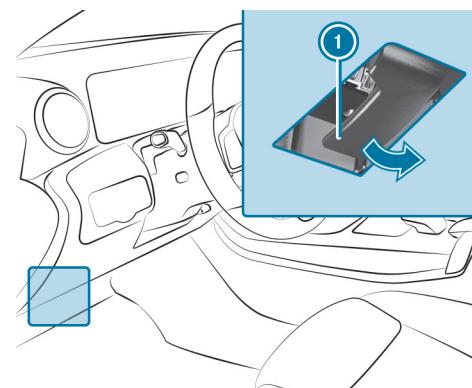
- ▶ Allow the engine to cool down and only touch component parts described in the following.

⚠ WARNING

Risk of injury from using the windscreen wipers when the bonnet is open

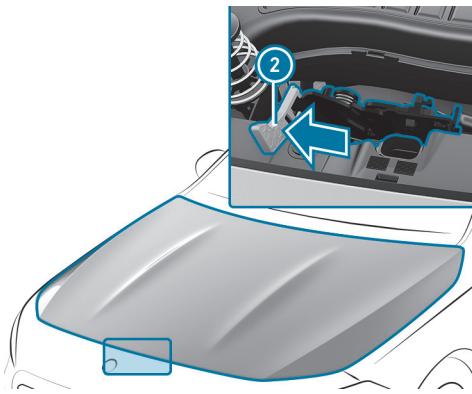
If the windscreen wipers start moving when the bonnet is open, you could be trapped by the wiper linkage.

- ▶ Always switch off the windscreen wipers and the vehicle first if you need to open the bonnet.

OPENING THE BONNET

- ▶ To release the bonnet, pull on handle ①.





- ▶ Push yellow handle ② of the bonnet catch to the left as far as it will go (palm downwards). Lift the bonnet until it is automatically raised by the pneumatic spring.

CLOSING THE BONNET

- ▶ Lower the bonnet and let it drop from a height of approximately 20 cm.
- ▶ If the bonnet can still be lifted slightly, open the bonnet again and close it with a little force until it engages correctly.

Engine oil

CHECKING THE ENGINE OIL LEVEL USING THE DRIVER'S DISPLAY

Requirements

- The engine has been warmed up.
- The vehicle is parked on a level surface.
- The engine is running at idle speed.
- The bonnet is closed.

Determining the engine oil level can take up to 30 minutes with a normal driving style and even longer with an active driving style.

Driver display:



The engine oil level is shown.

ONE OF THE FOLLOWING MESSAGES WILL APPEAR ON THE DRIVER'S DISPLAY:

- **Engine oil level Measuring now...**: the engine oil level cannot be determined yet.
- ▶ Repeat the request after a maximum of 30 minutes' driving.
- **Engine oil level OK** and the bar display for indicating the engine oil level on the driver's display is green and is between "min" and "max": the engine oil level is correct.
- **Engine oil level Top up 1,0 l** and the bar display for indicating the engine oil level on the driver's display is yellow and is below "min":
▶ Add 1 l of engine oil.
- **Engine oil level Reduce** and the bar display for indicating the engine oil level on the driver's display is yellow and is above "max":
▶ Drain off any excess engine oil that has been added. To do so, consult a qualified specialist workshop.
- **For engine oil level, switch on vehicle**





- ▶ Switch on the vehicle to check the engine oil level.
- **Engine oil level System inoperative:** The oil level sensor is defective or not connected.
- ▶ Consult a qualified specialist workshop.
- **Engine oil level System currently inoperative**
- ▶ Close the bonnet.

TOPPING UP ENGINE OIL

DANGER

Risk of fatal injuries when carrying out maintenance work during the charging process

During the charging process, the high-voltage on-board electrical system is under high voltage.

- ▶ Do not perform any maintenance work during the charging process.

WARNING

Risk of burns when opening the bonnet

IF YOU OPEN THE BONNET IN THE EVENT OF AN OVERHEATED ENGINE OR FIRE IN THE ENGINE COMPARTMENT, THE FOLLOWING SITUATIONS MAY OCCUR:

- You may come into contact with hot gases.
- You may come into contact with other escaping hot operating fluids.
- ▶ Before opening the bonnet, allow the engine to cool down.
- ▶ In the event of a fire in the engine compartment, keep the bonnet closed and call the fire service.

WARNING

Risk of injury due to moving parts

Components in the engine compartment may continue to run or start unexpectedly even when the drive system is switched off.

Observe the following if you must open the bonnet:

- ▶ Switch off the vehicle.
- ▶ Never touch the danger zones surrounding moving components, e.g. the rotation area of the fan.
- ▶ Remove jewellery and watches.
- ▶ Keep items of clothing and hair away from moving parts.



**⚠ WARNING**

Risk of burns from hot component parts in the engine compartment

Certain component parts in the engine compartment can be very hot, e.g. the engine, the cooler and parts of the exhaust system.

- ▶ Allow the engine to cool down and only touch component parts described in the following.

⚠ WARNING

Risk of fire and injury from engine oil

If engine oil comes into contact with hot component parts in the engine compartment, it may ignite.

- ▶ Make sure that no engine oil is spilled next to the filler opening.
- ▶ Allow the engine to cool off and thoroughly clean the engine oil from component parts before starting the vehicle.

! NOTE

Engine damage caused by an incorrect oil filter, incorrect oil or additives

- ▶ Do not use engine oils or oil filters which do not correspond to the specifications explicitly prescribed for the service intervals.
- ▶ Follow the instructions on the service interval display for changing the engine oil and observe the prescribed change intervals.
- ▶ Do not use additives.

! NOTE

Damage caused by topping up too much engine oil

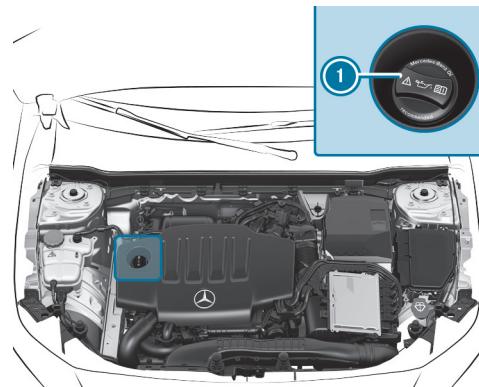
Excess engine oil can damage the engine or catalytic converter.

- ▶ Have excess engine oil removed at a qualified specialist workshop.

ⓘ

Depending on driving style, the vehicle consumes up to 0.8 litres of oil per 1000 km. The oil consumption may also be higher than this when the vehicle is new or if you frequently drive at high engine speeds.





- ▶ Turn cap ① anti-clockwise and remove it.
- ▶ Top up the engine oil.
- ▶ Replace cap ① and turn it clockwise until it engages.
- ▶ Check the oil level again (→ page 44).

Checking the coolant level

DANGER

Risk of fatal injuries when carrying out maintenance work during the charging process

During the charging process, the high-voltage on-board electrical system is under high voltage.

- ▶ Do not perform any maintenance work during the charging process.

WARNING

Risk of burns when opening the bonnet

IF YOU OPEN THE BONNET IN THE EVENT OF AN OVERHEATED ENGINE OR FIRE IN THE ENGINE COMPARTMENT, THE FOLLOWING SITUATIONS MAY OCCUR:

- You may come into contact with hot gases.
- You may come into contact with other escaping hot operating fluids.
- ▶ Before opening the bonnet, allow the engine to cool down.
- ▶ In the event of a fire in the engine compartment, keep the bonnet closed and call the fire service.

WARNING

Risk of injury due to moving parts

Components in the engine compartment may continue to run or start unexpectedly even when the drive system is switched off.

Observe the following if you must open the bonnet:

- ▶ Switch off the vehicle.
- ▶ Never touch the danger zones surrounding moving components, e.g. the rotation area of the fan.
- ▶ Remove jewellery and watches.
- ▶ Keep items of clothing and hair away from moving parts.



**⚠ WARNING**

Risk of scalding from hot coolant

If you open the cap, you could scald yourself.

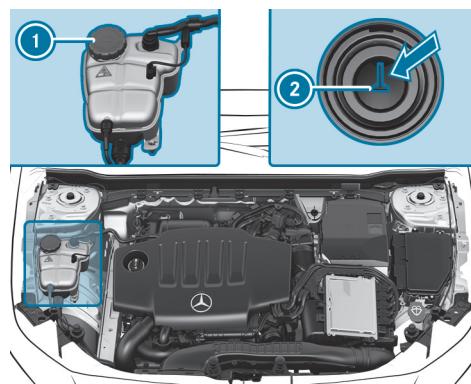
- ▶ Allow the engine to cool down before opening the cap.
- ▶ When opening the cap, wear protective gloves and safety glasses.
- ▶ Open the cap slowly to release pressure.

⚠ WARNING

Risk of burns from hot component parts in the engine compartment

Certain component parts in the engine compartment can be very hot, e.g. the engine, the cooler and parts of the exhaust system.

- ▶ Allow the engine to cool down and only touch component parts described in the following.



- ▶ Park the vehicle on a level surface.
- ▶ Check the coolant temperature display on the driver's display. The coolant temperature must be below 40°C.
- ▶ Slowly turn cap ① anti-clockwise to release overpressure.
- ▶ Continue turning cap ① anti-clockwise and remove it.

THE COOLANT LEVEL IS CORRECT IN THE FOLLOWING CASES:

- If the engine is cold, the coolant is up to marker bar ②.
- If the engine is warm, the coolant is up to 1.5 cm above marker bar ②.
- ▶ If necessary, top up with coolant that has been approved for Mercedes-Benz.

Topping up the windscreen washer system

⚠ DANGER

Risk of fatal injuries when carrying out maintenance work during the charging process

During the charging process, the high-voltage on-board electrical system is under high voltage.

- ▶ Do not perform any maintenance work during the charging process.

**⚠ WARNING**

Risk of burns when opening the bonnet

IF YOU OPEN THE BONNET IN THE EVENT OF AN OVERHEATED ENGINE OR FIRE IN THE ENGINE COMPARTMENT, THE FOLLOWING SITUATIONS MAY OCCUR:

- You may come into contact with hot gases.
- You may come into contact with other escaping hot operating fluids.
- ▶ Before opening the bonnet, allow the engine to cool down.
- ▶ In the event of a fire in the engine compartment, keep the bonnet closed and call the fire service.

⚠ WARNING

Risk of injury due to moving parts

Components in the engine compartment may continue to run or start unexpectedly even when the drive system is switched off.

Observe the following if you must open the bonnet:

- ▶ Switch off the vehicle.
- ▶ Never touch the danger zones surrounding moving components, e.g. the rotation area of the fan.
- ▶ Remove jewellery and watches.
- ▶ Keep items of clothing and hair away from moving parts.

⚠ WARNING

Risk of burns from hot component parts in the engine compartment

Certain component parts in the engine compartment can be very hot, e.g. the engine, the cooler and parts of the exhaust system.

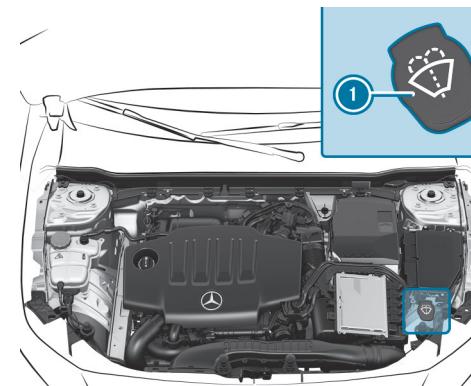
- ▶ Allow the engine to cool down and only touch component parts described in the following.

⚠ WARNING

- Risk of fire and injury due to windscreen washer concentrate

Windscreen washer concentrate is highly flammable. It could ignite if it comes into contact with hot engine component parts or the exhaust system.

- ▶ Make sure that no windscreen washer concentrate spills out next to the filler opening.





- ▶ Remove cap ① by the tab.
- ▶ Top up the washer fluid.

Keeping the air/water duct free

- ▶ Keep the area between the bonnet and the windscreen free of deposits, e.g. ice, snow or leaves.





< Cleaning and care

Information on washing the vehicle in a car wash

WARNING

Risk of an accident due to reduced braking power after washing the vehicle

Braking efficiency is reduced after washing the vehicle.

- ▶ After the vehicle has been washed, brake carefully while paying attention to the traffic conditions until braking power has been fully restored.

NOTE

Damage from automatic braking

IF ONE OF THE FOLLOWING FUNCTIONS IS ACTIVATED, THE VEHICLE WILL BRAKE AUTOMATICALLY IN CERTAIN SITUATIONS:

- Active Brake Assist
- Active Distance Assist DISTRONIC
- HOLD function
- Active Parking Assist

To avoid damaging the vehicle, deactivate these systems e.g. during towing or in the car wash.

NOTE

Damage due to unsuitable car wash

- ▶ Before driving into a car wash make sure that the car wash is suitable for the vehicle dimensions.
- ▶ Ensure there is sufficient ground clearance between the underbody and the guide rails of the car wash.
- ▶ Ensure that the clearance width of the car wash, in particular the width of the guide rails, is sufficient.





TO AVOID DAMAGE TO YOUR VEHICLE WHEN USING A CAR WASH, ENSURE THE FOLLOWING BEFOREHAND:

- Active Distance Assist DISTROニック is deactivated.
- the HOLD function is switched off.
- the 360° Camera or the reversing camera is switched off.
- the side windows and sliding sunroof are completely closed.
- the blower for the ventilation and heating is switched off.
- the windscreen wiper switch is in position **0**.
- the key is at a minimum distance of 3 m away from the vehicle. Otherwise the boot lid could open unintentionally.
- for car washes with a conveyor system:
 - neutral **N** is engaged.
 - If you would like to leave the vehicle while it is being washed, make sure the key is located in the vehicle. The park position **P** is otherwise automatically engaged.

i If, after the car wash, you remove the wax from the windscreens and wiper rubbers, this will prevent smearing and reduce wiper noise.

Car wash mode

In car wash mode, the vehicle is configured in readiness for entering an automatic car wash. Car wash mode can be activated up to a speed of 20 km/h (→ page 620).

THE FOLLOWING SETTINGS WILL BE ADJUSTED WHEN CAR WASH MODE IS ACTIVATED:

- The outside mirrors will be folded in.
- To prevent the windscreen washer system from starting up automatically, the rain sensor will be deactivated.
- The windows and the sliding sunroof will be closed.
- Parking Assist PARKTRONIC will be deactivated.
- **Vehicles with 360° camera:** the front image will be activated after approximately eight seconds.

If one of the settings cannot be selected, this is displayed by a **X** behind the respective setting.

Car wash mode will automatically be deactivated above a speed of 20 km/h.

THE FOLLOWING SETTINGS WILL BE RESET WHEN CAR WASH MODE IS DEACTIVATED:

- The outside mirrors will be folded out.
- The rain sensor will be activated.
- Parking Assist PARKTRONIC will be reset to the previously selected setting.
- The windows and the sliding sunroof will remain closed.
- **Vehicles with 360° camera:** the front image will be deactivated at speeds above 18 km/h.

Switching car wash mode on/off

Requirements:

- The vehicle is stationary.



- The vehicle is switched on.

Multimedia system:

 Settings > Vehicle > Driving

ACTIVATING CAR WASH MODE

- Select [Car wash mode](#).
- Select [Activate](#).

If one of the settings cannot be selected, this will be shown by a  next to the respective setting.

 For an overview of the settings configured when you activate car wash mode (→ page 620).

DEACTIVATING CAR WASH MODE

- Select [Switch off](#).
The settings of car wash mode will be reset.

 Car wash mode will be automatically deactivated as soon as your speed exceeds 20 km/h.

Information on using a high-pressure cleaner

WARNING

Risk of an accident when using high-pressure cleaners with round-spray nozzles

The water jet can cause externally invisible damage.

Components damaged in this way may unexpectedly fail.

- Do not use a high-pressure cleaner with round-spray nozzles.
- Have damaged tyres or chassis parts replaced immediately.

TO AVOID DAMAGE TO YOUR VEHICLE, OBSERVE THE FOLLOWING WHEN USING A HIGH-PRESSURE CLEANER:

- Keep the key at least 3 m away from the vehicle. Otherwise the boot lid could open unintentionally.
- Maintain a distance of at least 30 cm to the vehicle.
- Vehicles with decorative films:** Parts of your vehicle are covered with a decorative film. Maintain a distance of at least 70 cm between the film-covered parts of the vehicle and the nozzle of the high-pressure cleaner. Move the nozzle of the high-pressure cleaner around while cleaning. The water temperature of the high-pressure cleaner must not exceed 60°C.
- Observe the information on the correct distance in the equipment manufacturer's operating instructions.
- Do not direct the nozzle of the high-pressure cleaner directly at sensitive parts, e.g. tyres, gaps, electrical components, batteries, illuminants or louvres.





Washing the vehicle by hand

! NOTE

Engine damage due to water ingress

- ▶ Take care not to point the water jet directly towards the air inlet grille below the bonnet.

Observe the relevant legal requirements (e.g. in some countries, washing by hand is permitted only in specially designated wash bays).

- ▶ Use a mild cleaning agent, e.g. car shampoo.
- ▶ Do not use acidic cleaning agents.
- ▶ Wash the vehicle with lukewarm water using a soft car sponge. When doing so, do not expose the vehicle to direct sunlight.
- ▶ Carefully hose the vehicle off with water and dry using a chamois.

 Observe the notes on the care of car parts (→ page 624).

Notes on paintwork/matt finish paintwork care

To avoid damaging the paintwork and interfering with the driving assistance systems, please observe the following notes:

PAINT

- Insect remains: soak with insect remover and rinse off the treated areas afterwards.

- Bird droppings: soak with water and rinse off afterwards.
- Tree resin, oils, fuels and greases: remove by rubbing gently with a cloth soaked in petroleum ether or lighter fluid.
- Coolant and brake fluid: remove with a damp cloth and clean water.
- Tar stains: use tar remover.
- Wax: use silicone remover.
- Do not attach stickers, foil or similar materials. Only have foil attached to the bumper at a qualified specialist workshop.
- Remove dirt immediately, where possible. Do not use acid solutions and acidic cleaners.

MATT FINISH

- Only use care products approved for Mercedes-Benz.
- Do not attach stickers, foils or similar materials. Only have foil attached to the bumper at a qualified specialist workshop.
- Do not polish the vehicle and light-alloy wheels.
- Only use car washes that correspond to the latest engineering standards.
- Do not use car wash programmes with a final hot wax treatment.
- Do not use paint cleaners, buffing or polishing products, gloss preservers, e.g. wax.

IN THE EVENT OF PAINTWORK DAMAGE:

- Always have paintwork repairs carried out at a qualified specialist workshop.
- Make sure the radar sensors are working (→ page 365).

Notes on cleaning decorative foils

Observe the "Notes on paintwork / matt finish paintwork care" (→ page 622). They also apply to matt decorative films.



Observe the notes on cleaning decorative films to avoid damage.

CLEANING

- When cleaning with the high-pressure cleaner, maintain a distance of at least 70 cm between the foil-covered parts of the vehicle and the nozzle of the high-pressure cleaner.
- For cleaning, use plenty of water and a mild cleaning agent without additives or abrasive substances (e.g. a car shampoo approved for Mercedes-Benz).
- Do not use acidic cleaning agents.
- Remove dirt as soon as possible. Avoid rubbing too hard in order not to damage the decorative film irreparably.
- If there is dirt on the finish or if the decorative film is dull: use the paint cleaner recommended and approved for Mercedes-Benz.
- Insect remains: Soak with insect remover and rinse off the treated areas afterwards.
- Bird droppings: Soak with water and rinse off afterwards.
- To prevent water stains, dry a film-wrapped vehicle with a soft, absorbent cloth after every car wash.

AVOIDING DAMAGE TO THE DECORATIVE FILM

- The service life and colouring of decorative films are impaired by:
 - Sunlight
 - Temperature (e.g. hot air blower)
 - Weather conditions
 - Stone chippings and dirt
 - Chemical cleaning agents
 - Oily products
- Do not use polish on matt decorative film. Polishing will have the effect of shining the film-wrapped surface.

- Do not treat matt or structured decorative films with wax. Permanent stains may occur.

Scratches, corrosive deposits, areas affected by corrosion and damage caused by incorrect care cannot always be completely repaired. In this case, contact a qualified specialist workshop.

You can obtain more information on care and cleaning agents from the manufacturer.

In the case of film-wrapped surfaces, visual differences may occur between the surfaces that were not protected by a decorative film after a decorative film has been removed.

-  Have work or repairs to decorative films carried out at a qualified specialist workshop (e.g. at a Mercedes-Benz Service Centre).

Information on window films

NOTE

Damage to electronic components due to excess fluids

When window films have been retrofitted, fluids such as cleaning agents or water may run down and get behind trim parts of the vehicle interior and cause damage to electronic components.

- ▶ Use cleaning agents as sparingly as possible.
- ▶ Immediately absorb any excess fluids.





Notes on car parts cleaning and care

WARNING

Risk of entrapment if the windscreen wipers are switched on while the windscreen is being cleaned

If the windscreen wipers are set in motion while you are cleaning the windscreen or wiper blades, you can be trapped by the wiper arm.

- ▶ Always switch off the windscreen wipers and the vehicle before cleaning the windscreen or wiper blades.

NOTE

Damage due to use of acidic cleaning agents

- ▶ Do not use acidic cleaning agents. Otherwise, the surfaces could be damaged.

To avoid damage to the vehicle, observe the notes on cleaning and care of the following car parts:

WINDOWS

NOTE

Damage to electronic components due to excess fluids

When cleaning the windows from the inside, fluids such as cleaning agents or water may run down and get behind trim parts of the vehicle interior and cause damage to electronic components.

- ▶ Use cleaning agents as sparingly as possible.
- ▶ Immediately absorb any excess fluids.

- Clean the windows on the inside and outside with a damp cloth and with a cleaning agent recommended for Mercedes-Benz.
- Do not use dry cloths or abrasive or solvent-based cleaning agents to clean the insides of windows.

-  After changing the wiper blades or treating the vehicle with wax, clean the windscreens thoroughly with cleaning agents recommended for Mercedes-Benz. Failure to observe the application instructions may result in damage, smear marks or dazzling spots.

-  Remove external misting or dirt on the windscreens in front of the multifunction camera. Otherwise, driving systems and driving safety systems may be impaired or unavailable (→ page 365).

WHEELS AND RIMS

- Use water and acid-free wheel cleaners.





- Do not use acidic wheel cleaners to remove brake dust. This could damage wheel bolts and brake components.
- To avoid corrosion of the brake discs and pads, drive the vehicle for a few minutes after cleaning before parking it. The brake discs and brake linings will warm up and dry out.

WIPER BLADES

- Move the wiper arms into the replacement position (→ page 43).
- With the wiper arms folded out, clean the wiper blades with a damp cloth.

 Note that the wiper blades are coated. The coating may leave residue on a cloth. Do not rub the wiper blades excessively or clean them too often.

EXTERIOR LIGHTING

- Clean the lenses with a wet sponge and mild cleaning agent (e.g. car shampoo).
- Use only cleaning agents or cleaning cloths that are suitable for plastic lenses.

VEHICLE SOCKET (HIGH-VOLTAGE BATTERY)

- Use clean water and a soft cloth to clean the vehicle socket.
- Do not use high-pressure cleaners or cleaning agents (such as soap).

SENSORS

- Clean the sensors in the front and rear part of the vehicle with car shampoo, plenty of water and a soft cloth (→ page 365).
- When using a high-pressure cleaner, maintain a minimum distance of 30 cm.

CAMERAS

- Open the camera cover with the multimedia system (→ page 417).
- Use clean water and a soft cloth to clean the camera lenses.
- Do not use a high-pressure cleaner.

 Remove external misting or dirt on the windscreen in front of the multifunction camera. Otherwise, driving systems and driving safety systems may be impaired or unavailable (→ page 365).

Notes on interior care

WARNING

Risk of injury from plastic parts breaking off after the use of solvent-based care products

Care and cleaning products containing solvents can cause surfaces in the cockpit to become porous. When the airbags are deployed, plastic parts may break away.

- ▶ Do not use any care or cleaning products containing solvents to clean the cockpit.



**WARNING**

Risk of injury or fatal injuries from bleached seat belts
Bleaching or dyeing seat belts can severely weaken them.

This can, for example, cause seat belts to tear or fail in an accident.

- ▶ Never bleach or dye seat belts.

NOTE

Property damage due to disinfectants

The interior includes a number of sensitive surfaces such as displays, plastics and leather.

Disinfectants can contain alcohol and other substances that penetrate and damage surfaces. Technology behind buttons and displays can also be damaged.

- ▶ Do not use disinfectant on interior surfaces.

To avoid damage to the vehicle, observe the following notes on cleaning and care:

SEAT BELTS

- Clean with lukewarm and soapy water.
- Do not use chemical cleaning agents.
- Do not dry by heating them to over 80 °C or exposing them to direct sunlight.

DISPLAY

- Switch off the display and let it cool down.

- Clean the surface carefully with a microfibre cloth and a suitable display care product (TFT LCD).
- Do not use any other agents.

HEAD-UP DISPLAY

- Clean with a soft, non-static, lint-free cloth.
- Do not use cleaning agents.

PLASTIC TRIM

- Clean with a damp microfibre cloth.
- If very dirty: use a cleaning agent recommended for Mercedes-Benz.
- Do not attach stickers, plastic film or similar materials.
- Do not allow cosmetics, insect repellent or sun cream to come in contact with the plastic trim.

REAL WOOD AND TRIM ELEMENTS

- Clean with a microfibre cloth.
- Black piano-lacquer look: clean with a damp cloth and soapy water.
- If very dirty: use a cleaning agent recommended for Mercedes-Benz.
- Do not use solvent-based cleaning agents, polishes or waxes.

HEADLINER

- Clean with a brush or dry shampoo.

CARPET

- Use a carpet and textile cleaning agent recommended for Mercedes-Benz.

IMITATION LEATHER STEERING WHEEL

- Clean the entire steering wheel with a damp cotton cloth and a 1% soap solution. Do not spot clean.
- Use cleaning and care products recommended for Mercedes-Benz.
- Do not use a microfibre cloth.





- Do not use oil-based cleaning and care products.

STEERING WHEEL MADE OF GENUINE LEATHER OR DINAMICA

! NOTE

Damage caused by wrong cleaners

- Do not use solvent-based cleaning agents such as tar remover or wheel cleaner; neither should you use polishes or waxes. Otherwise you may damage the finish.

- If very dirty: use a leather care agent recommended for Mercedes-Benz aftercare.
- Leather care: use a leather care agent that has been recommended for Mercedes-Benz.
- Do not use a microfibre cloth.
- Do not allow the leather to become too damp.
- Do not use oil-based cleaning and care products.

- (i) Leather is a natural product. It has natural surface characteristics, such as differences in structure, marks caused by growth and injury or subtle colour differences. These surface characteristics are particular to leather, and are not material defects. Leather is also subject to a natural ageing process, which changes the surface characteristics. Waves or wrinkling in the seat cover may occur due to the stress on the seat; this is caused by the natural leather material. Regular cleaning and care of the leather will reduce dirt build-up, wear marks and ageing damage and thus significantly extend its life span. Clothing that can leave stains (e.g. jeans) may discolour the leather.

- Clean with a damp cloth and a 1% soap solution and then wipe with a dry cloth.
- If very dirty: use a cleaning agent recommended for Mercedes-Benz.
- Leather care: use a leather care agent that has been recommended for Mercedes-Benz.
- Do not allow the leather to become too damp.
- Do not use a microfibre cloth.

(i) Leather is a natural product. It has natural surface characteristics, such as differences in structure, marks caused by growth and injury or subtle colour differences. These surface characteristics are particular to leather, and are not material defects. Leather is also subject to a natural ageing process, which changes the surface characteristics.

GENUINE LEATHER SEAT COVERS

- Vacuum up dirt such as crumbs or dust and then clean the seat covers with a damp cotton cloth and wipe down with a dry cloth. Regularly clean the seat covers.

DINAMICA SEAT COVERS

- Vacuum up dirt such as crumbs or dust and then use a damp cloth to clean.
- Do not use a microfibre cloth.

IMITATION LEATHER SEAT COVERS

- Vacuum up dirt such as crumbs or dust and then use a damp cotton cloth and a 1% soap solution to clean the entire seat cover. Do not spot clean.
- Use cleaning and care products recommended for Mercedes-Benz.



- Do not use a microfibre cloth.
- Do not use oil-based cleaning and care products.

CLOTH SEAT COVERS

- Vacuum up dirt such as crumbs or dust and then use a damp microfibre cloth and a 1% soap solution to clean the entire seat cover. Do not spot clean.
- Use cleaning and care products recommended for Mercedes-Benz.
- Do not use oil-based cleaning and care products.



[Back to Contents](#)



< Breakdown assistance

This interactive PDF works like a website – tap or click a button to jump straight to where you want to go.
You can return here at any time via the navigation bar at the top left.

Emergency



Flat tyre



Battery (vehicle)



Tow-starting or towing away



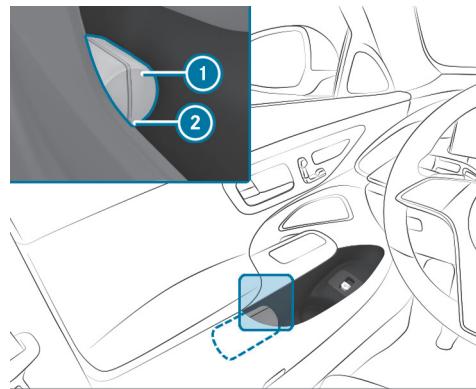
Electrical fuses





< Emergency

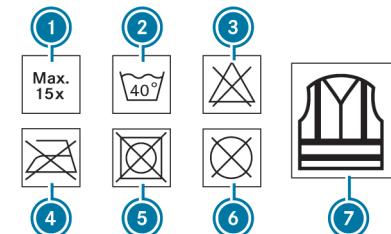
Removing the safety vest



There is a safety vest stowage recess in the door stowage compartments of all doors for storing the safety vests.

- ▶ To remove: pull out the safety vest bag ① using the loop ②.
- ▶ Open the safety vest bag ① and take out the safety vest.
- ▶ To replace: fold the safety vest, roll it up and insert it into the safety vest bag ①.
- ▶ Slide the safety vest bag ① along the underside of the armrest into the safety vest stowage recess. Ensure that the loop ② remains hanging out so that it is easy to grasp.

i Remove the packaging film from a new safety vest before sliding it into the safety vest stowage recess. Otherwise, it may slide out unintentionally or the packaging may hinder its removal. Observe the legal requirements for the individual countries.



- ① Maximum number of washes
- ② Maximum wash temperature
- ③ Do not bleach
- ④ Do not iron
- ⑤ Do not tumble dry
- ⑥ Do not dry clean
- ⑦ Class 2 safety vest

The requirements defined by the legal standard are only fulfilled if the safety vest is the correct size and is fully closed.

EXCHANGE THE SAFETY VEST IN THE FOLLOWING CASES:

- The reflective strips are damaged or dirty.



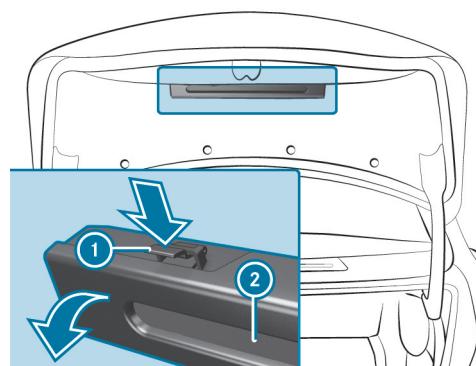
- The maximum permissible number of washes is exceeded.
- The fluorescence property decreases, e.g. due to permanent exposure to sunlight.

DISPOSE OF THE SAFETY VEST IN AN ENVIRONMENTALLY FRIENDLY WAY:

- Please contact your local waste disposal company.

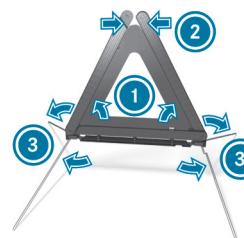
Warning triangle

REMOVING THE WARNING TRIANGLE



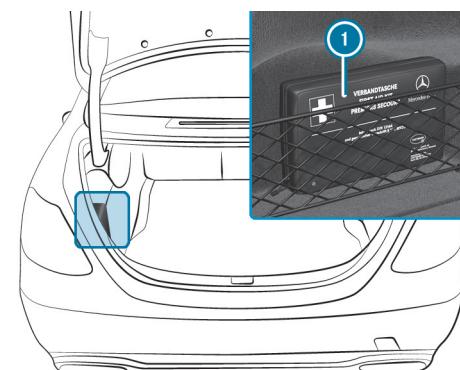
- ▶ Push both sides of the warning triangle holder ① in the direction of the arrow and open it.
- ▶ Remove the warning triangle ②.

SETTING UP THE WARNING TRIANGLE



- ▶ Fold the side reflectors ① upwards to form a triangle and attach using the upper snap fastener ②.
- ▶ Fold the legs ③ down and out to the side.

First-aid kit (soft sided) overview



The first-aid kit (soft sided) ① is located in the boot on the left in the stowage net.

Depending on the respective vehicle version, the first-aid kit (soft sided) ① may be located in other positions in the boot



Removing the fire extinguisher

⚠ WARNING

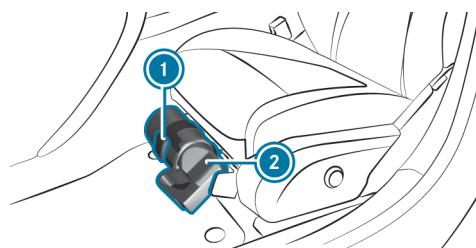
Risk of accident due to an incorrectly secured fire extinguisher in the driver's footwell

A fire extinguisher may impede pedal travel or block a depressed pedal.

This jeopardises the operating and road safety of the vehicle.

The fire extinguisher can be flung around and injure the driver or other vehicle occupants.

- ▶ Always store and secure the fire extinguisher in the bracket.
- ▶ Do not remove the fire extinguisher while driving.



- ▶ Pull the tab ① upwards.
- ▶ Fold the tab ① down.
- ▶ Remove the fire extinguisher ②.





< Flat tyre

Notes on flat tyres

⚠ WARNING

Risk of accident due to a flat tyre

A flat tyre severely affects the driving characteristics as well as steering and braking.

tyres that do not feature run-flat characteristics:

- ▶ Do not drive on with a flat tyre.
- ▶ Change the flat tyre immediately with an emergency spare wheel or spare wheel. Alternatively, consult a qualified specialist workshop.

Run-flat tyres:

- ▶ Observe the information and warning notes on MOExtended tyres (run-flat tyres).

IN THE EVENT OF A FLAT TYRE, THE FOLLOWING OPTIONS ARE AVAILABLE DEPENDING ON YOUR VEHICLE'S EQUIPMENT:

- **Vehicles with a TIREFIT kit:** you can seal the tyre so that it is possible to continue the journey for a short period of time. To do this, use the TIREFIT kit (→ page 635).
- **Vehicles with Mercedes-Benz connect:** you can make a call for breakdown assistance via the overhead control panel in the case of a breakdown (→ page 570).
- **All vehicles:** change the wheel (→ page 674).

i The emergency spare wheel is only available in certain countries (→ page 680).



Notes on MOExtended tyres (run-flat tyres)

⚠ WARNING

Risk of accident when driving in limp-home mode

Driving in emergency mode impairs the handling characteristics of the vehicle.

- ▶ Do not exceed the permissible maximum speed of the MOExtended tyres.
- ▶ Avoid any abrupt steering and driving manoeuvres as well as driving over obstacles (kerbs, pot holes, off-road). This applies, in particular, to a loaded vehicle.
- ▶ Stop driving in the emergency mode if you notice:
 - banging noise
 - vehicle vibration
 - smoke which smells like rubber
 - continuous ESP® intervention
 - cracks in the tyre sidewalls
- ▶ After driving in emergency mode, have the rims checked by a qualified specialist workshop with regard to their further use.
- ▶ The defective tyre must be replaced in every case.

With MOExtended tyres (run-flat tyres), you can continue to drive your vehicle even if there is a total loss of pressure in one or more tyres. However, the tyre affected must not show any clearly visible damage.

You can recognise MOExtended tyres by the MOExtended marking which appears on the side wall of the tyre.

Vehicles with tyre pressure loss warning system: MOExtended tyres may only be used in conjunction with an activated tyre pressure loss warning system.

Vehicles with tyre pressure monitoring system: MOExtended tyres may only be used in conjunction with an activated tyre pressure monitoring system.

IF A PRESSURE LOSS WARNING MESSAGE APPEARS IN THE DRIVER'S DISPLAY, PROCEED AS FOLLOWS:

- Check the tyre for damage.
- If driving on, observe the following notes.

DRIVING DISTANCE POSSIBLE IN EMERGENCY MODE AFTER THE PRESSURE LOSS WARNING:

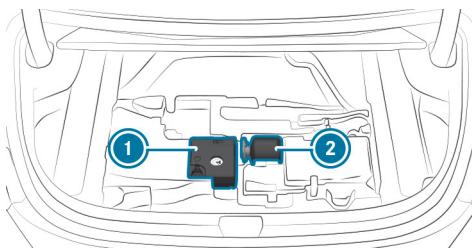
Load condition	Driving distance possible in emergency mode
Partially laden	80 km
Fully laden	30 km

The driving distance possible in emergency mode may vary depending on the driving style. Observe the maximum permissible speed of 80 km/h.

If a tyre has gone flat and cannot be replaced with an MOExtended tyre, you can use a standard tyre as a temporary measure.

TIREFIT kit storage location

The TIREFIT kit is located under the boot floor.



① Tyre inflation compressor

② Tyre sealant bottle

Depending on the respective vehicle model, the TIREFIT kit may also be located in other positions under the boot floor.

(i) YOU CAN FIND INFORMATION ON THE POWER CATEGORY (LK) AND/OR ELECTRICAL DATA ON THE BACK OF THE TYRE INFLATION COMPRESSOR:

- LK2 – 12 V/15 A, 180 W, 0.8 kg

AT A DISTANCE OF APPROXIMATELY 1 M TO THE TYRE INFLATION COMPRESSOR AND APPROXIMATELY 1.6 M ABOVE THE GROUND, THE FOLLOWING SOUND PRESSURE LEVELS APPLY:

- Emissions sound pressure level L_{PA} 83 dB (A)
- Sound power level L_{WA} 91 dB (A)

The tyre inflation compressor is maintenance-free. In the event of a malfunction, please contact a qualified specialist workshop.

Using the TIREFIT kit

Requirements:

- Tyre sealant bottle and tyre inflation compressor are ready for use (→ page 71).
- TIREFIT sticker is displayed.
- Gloves are at hand.

You can use TIREFIT tyre sealant to seal perforation damage of up to 4 mm, particularly on the tyre contact surface. You can use TIREFIT in outside temperatures down to -20 °C.

⚠ WARNING

Risk of accident when using tyre sealant

The tyre sealant may be unable to seal the tyre properly, especially in the following cases:

- there are large cuts or punctures in the tyre (larger than damage previously mentioned)
- the wheel rims have been damaged
- after journeys with very low tyre pressure or with flat tyres
- ▶ Do not continue driving.
- ▶ Consult a qualified specialist workshop.

**⚠ WARNING**

Risk of injury and poisoning from tyre sealant

Tyre sealant is hazardous to health and causes irritation. Do not allow it to come into contact with your skin, eyes or clothing, and do not swallow it. Do not inhale any vapours. Keep the tyre sealant away from children.

Observe the following if you come into contact with the tyre sealant:

- ▶ Rinse off the tyre sealant from your skin using water immediately.
- ▶ If tyre sealant gets into your eyes, thoroughly rinse them using clean water immediately.
- ▶ If tyre sealant has been swallowed, thoroughly rinse out your mouth immediately and drink plenty of water. Do not induce vomiting and seek medical attention immediately.
- ▶ Change out of clothing which has come into contact with tyre sealant immediately.
- ▶ If an allergic reaction occurs, seek medical attention immediately.

! NOTE

Overheating due to the tyre inflation compressor running too long

- ▶ Do not run the tyre inflation compressor for longer than ten minutes without interruption.

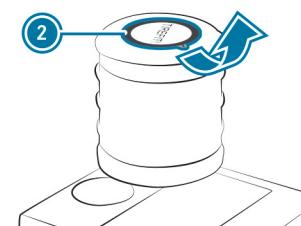
Observe the manufacturer's safety notes on the sticker on the tyre sealant bottle.

Have the tyre sealant bottle replaced at a qualified specialist workshop every five years.

- ▶ Do not remove any foreign objects which have pierced the tyre.

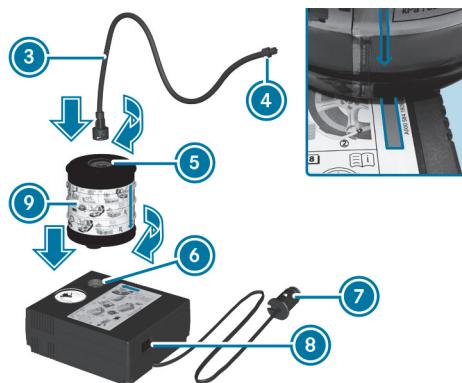


- ▶ Remove the sticker 1 from the tyre inflation compressor housing and affix it onto the driver display within the driver's field of vision.

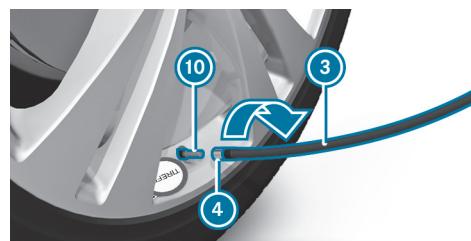


- ▶ Remove the sticker 2 from the tyre sealant bottle and affix it near the valve on the wheel with the defective tyre.

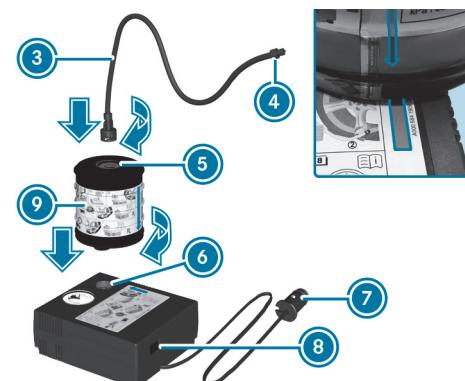




- ▶ Pull the plug **7** with cable and filling hose **3** out of the tyre inflation compressor housing.
- ▶ Insert the tyre sealant bottle **9** into the socket **6** of the tyre inflation compressor so that the red arrow on tyre sealant bottle **9** aligns with the red arrow on the tyre inflation compressor.
- ▶ Rotate the tyre sealant bottle **9** clockwise for a quarter of a turn.
- ▶ Insert the plug of the filling hose **3** into the socket **5** of the tyre sealant bottle **9**.
- ▶ Rotate the filling hose **3** clockwise for a quarter of a turn.



- ▶ Remove the valve cap from the valve **10** on the faulty tyre.
- ▶ Screw the union nut **4** of the filling hose **3** onto the valve **10**.



- ▶ Insert the plug **7** into a 12-V-socket in your vehicle (→ page 246).
 - ▶ Switch on the vehicle.
 - ▶ Press the On/Off switch **8** on the tyre inflation compressor.
- The tyre inflation compressor is switched on. The tyre is inflated. First, tyre sealant is pumped into the tyre. The pressure may briefly rise to approximately 500 kPa (5 bar/73 psi).

Do not switch off the tyre inflation compressor during this phase!

- ▶ Allow the tyre inflation compressor to run for a maximum of ten minutes. The tyre should then have attained a tyre pressure of at least 200 kPa (2.0 bar/29 psi).

If tyre sealant leaks out, ensure that the affected area is cleaned as quickly as possible. It is preferable to use clean water.



If you get tyre sealant on your clothing, have it cleaned at a dry cleaner's as soon as possible with perchloroethylene.

IF, AFTER TEN MINUTES, A TYRE PRESSURE OF 200 KPA (2.0 BAR/29 PSI) HAS NOT BEEN ATTAINED:

- ▶ Switch off the tyre inflation compressor.
- ▶ Unscrew the filling hose from the valve of the defective tyre.

Please note that tyre sealant may leak out when unscrewing the filling hose.

- ▶ Drive the vehicle forwards or in reverse very slowly for approximately 10 m.
- ▶ Pump up the tyre again.

After a maximum of ten minutes the tyre pressure must be at least 200 kPa (2.0 bar/29 psi).

⚠ WARNING

Risk of accident due to the specified tyre pressure not being attained

If the specified tyre pressure is not attained after the specified time, the tyre is too badly damaged. The tyre sealant cannot repair the tyre in this instance.

The braking and driving characteristics may be greatly impaired.

- ▶ Do not continue driving.
- ▶ Consult a qualified specialist workshop.

! NOTE

Staining from leaking tyre sealant

After use, excess tyre sealant may leak out from the filling hose.

- ▶ Therefore, place the filling hose in the plastic bag that contained the TIREFIT kit.

IF, AFTER TEN MINUTES, A TYRE PRESSURE OF 200 KPA (2.0 BAR/29 PSI) HAS BEEN ATTAINED:

- ▶ Switch off the tyre inflation compressor.
- ▶ Unscrew the filling hose from the valve of the defective tyre.

Please note that tyre sealant may leak out when unscrewing the filling hose.

⚠ WARNING

Risk of accident from driving with sealed tyres

A tyre temporarily sealed with tyre sealant impairs the handling characteristics and is not suitable for higher speeds.

- ▶ Adapt your driving style accordingly and drive carefully.
- ▶ Do not exceed the maximum speed limit with a tyre that has been repaired using tyre sealant.

- ▶ Observe the maximum permissible speed of 80 km/h for a tyre sealed with tyre sealant.





- ▶ The sticker with details of the maximum permissible speed must be affixed to the instrument cluster where it can be easily seen by the driver.

! NOTE

Staining from leaking tyre sealant

After use, excess tyre sealant may leak out from the filling hose.

- ▶ Therefore, place the filling hose in the plastic bag that contained the TIREFIT kit.

leaf ENVIRONMENTAL NOTE

Environmental pollution caused by environmentally irresponsible disposal

Tyre sealant contains pollutants.

- ▶ Have the tyre sealant bottle disposed of professionally, e.g. at a Mercedes-Benz Service Centre.

- ▶ Stow the tyre sealant bottle, the tyre inflation compressor and the warning triangle.
- ▶ Pull away immediately.
- ▶ Stop driving after approximately ten minutes and check the tyre pressure using the tyre inflation compressor.

The tyre pressure must now be at least 130 kPa (1.3 bar/19 psi).

⚠ WARNING

Risk of accident due to the specified tyre pressure not being attained

If the specified tyre pressure is not reached, the tyre is too badly damaged. The tyre sealant cannot repair the tyre in this instance.

The braking and driving characteristics may be greatly impaired.

- ▶ Do not continue driving.
- ▶ Consult a qualified specialist workshop.

Countries that have Mercedes-Benz Service24h: you will find a sticker with the telephone number, e.g. on the B-pillar on the driver's side.

- ▶ Correct the tyre pressure if it is still at least 130 kPa (1.3 bar/19 psi). For values, refer to the tyre pressure table on the fuel filler flap.

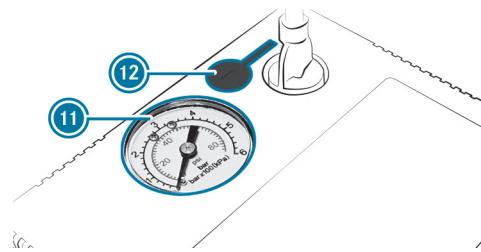
INCREASING THE TYRE PRESSURE

- ▶ Switch on the tyre inflation compressor.

DECREASING THE TYRE PRESSURE

- ▶ Remove the tyre sealant bottle from the tyre inflation compressor.
- ▶ Insert the filling hose into the socket of the tyre inflation compressor and rotate it clockwise a quarter of a turn.





- ▶ Press the pressure release button ⑫ next to the manometer ⑪.

WHEN THE TYRE PRESSURE IS CORRECT

- ▶ Unscrew the filling hose from the valve of the sealed tyre.
- ▶ Screw the valve cap onto the valve of the sealed tyre.
- ▶ Stow the tyre sealant bottle and the tyre inflation compressor.
- ▶ Drive to the nearest qualified specialist workshop and have the tyre, tyre sealant bottle and filling hose replaced.





< Battery (vehicle)

Notes on the 12 V battery

WARNING

Risk of explosion due to electrostatic charge

Electrostatic charge can ignite the highly explosive gas mixture in the battery.

- ▶ To discharge any electrostatic charge that may have built up, touch the metal vehicle body before handling the battery.

The highly flammable gas mixture is created while the battery is charging and during starting assistance.

For safety reasons, Mercedes-Benz recommends that you only use batteries which have been tested and approved for your vehicle by Mercedes-Benz.

WARNING

Danger of chemical burns from the battery acid

Battery acid is caustic.

- ▶ Avoid contact with the skin, eyes or clothing.
- ▶ Do not lean over the battery.
- ▶ Do not inhale battery gases.
- ▶ Keep children away from the battery.
- ▶ Immediately rinse battery acid off thoroughly with plenty of clean water and seek medical attention immediately.

ENVIRONMENTAL NOTE

Environmental damage due to improper disposal of batteries

☒ Batteries contain pollutants. It is illegal to dispose of them with the household rubbish.

- ▶ Dispose of batteries in an environmentally responsible manner. Take discharged batteries to a qualified specialist workshop or to a collection point for used batteries.

Consult a qualified specialist workshop to disconnect the 12 V battery.



Comply with safety notes and take protective measures when handling batteries.

-  Risk of explosion.
-  Fire, open flame and smoking are prohibited when handling the battery. Avoid creating sparks.
-  Electrolyte or battery acid is corrosive. Avoid contact with your skin, eyes or clothing. Wear suitable protective clothing, in particular gloves, apron and face mask. Immediately rinse electrolyte or acid splashes off with clean water. Consult a doctor.
-  Wear safety glasses.
-  Keep children away.
-  Observe this Owner's Manual.

IF YOU DO NOT INTEND TO USE THE VEHICLE FOR A LONG PERIOD OF TIME:

- Activate standby mode (→ page 364).
- Connect the battery to a battery charger approved by Mercedes-Benz.
- Consult a qualified specialist workshop to disconnect the battery.

Notes on the 48 V battery

WARNING

Risk of an accident due to work carried out incorrectly on the battery

Work carried out incorrectly on the battery can, for example, lead to a short circuit. This can restrict functions relevant for safety systems and impair the operating safety of your vehicle.

YOU COULD LOSE CONTROL OF THE VEHICLE IN THE FOLLOWING SITUATIONS IN PARTICULAR:

- when braking
- in the event of abrupt steering manoeuvres and/or when the vehicle's speed is not adapted to the road conditions
- ▶ In the event of a short circuit or a similar incident, contact a qualified specialist workshop immediately.
- ▶ Do not drive on.
- ▶ Always have work on the battery carried out at a qualified specialist workshop.

- Further information on ABS (→ page 367)
- Further information on ESP® (→ page 368)





ENVIRONMENTAL NOTE

Environmental damage due to improper disposal of batteries

-  Batteries contain pollutants. It is illegal to dispose of them with the household rubbish.
-  Dispose of batteries in an environmentally responsible manner. Take discharged batteries to a qualified specialist workshop or to a collection point for used batteries.

Only have work on the 48 V battery carried out at a qualified specialist workshop.

Comply with safety notes and take protective measures when handling batteries.

-  Risk of explosion if the 48 V battery is used improperly.
-  The surface of the 48 V battery may be hot.
-  Fire, open flame and smoking are prohibited when handling the battery. Avoid creating sparks.
-  Electrolyte or battery acid is corrosive. Avoid contact with the skin, eyes or clothing. Wear suitable protective clothing, in particular gloves, apron and face mask. Immediately rinse off splashes of electrolyte or acid with plenty of clean water. Consult a doctor immediately.
-  Do not place heavy objects on the surface of the battery or use the battery to support a person in any way.
-  Do not perform any work on the battery. Always have any work on the battery carried out at a qualified specialist workshop. Do not

disconnect the battery yourself. Do not remove the battery yourself. Do not attempt to open the battery.

-  Keep children away.
-  Wear safety goggles.
-  Observe this Owner's Manual.

OBSERVE THE FOLLOWING IF YOU DO NOT INTEND TO USE THE VEHICLE OVER AN EXTENDED PERIOD OF TIME:

- **If available:** activate standby mode (→ page 364).

Notes on the high-voltage battery

DANGER

Risk of fire and explosion from excessive internal pressure of the high-voltage battery

In the event of a vehicle fire, flammable gas can escape and ignite.

- Stop the charging process immediately in case of unusual odours, smoke or burn marks.
- Leave the danger zone immediately. Secure the danger zone at a sufficient distance.
- Call the fire service.

Observe the notes on charging the high-voltage battery (→ page 337).



Risk of explosion.

Fire, naked flames and smoking are prohibited when handling the battery. Avoid creating sparks.

Electrolyte or battery acid is corrosive. Avoid contact with the skin, eyes or clothing. Wear suitable protective clothing, in particular gloves, an apron and a face mask. Immediately rinse electrolyte or acid splashes off with clean water. Consult a doctor.

Wear safety glasses.

Keep children away.

Observe this Owner's Manual.

Notes on starting assistance and charging the 12 V battery

Always use the jump-start connection point in the engine compartment for charging the battery and jump starting.

NOTE

Damage to the battery due to overvoltage

When charging using a battery charger without a maximum charging voltage, the battery or the on-board electronics may be damaged.

- ▶ Only use battery chargers with a maximum charging voltage of 14.8 V.

WARNING

Risk of explosion due to the ignition of hydrogen gas

If there is a short circuit or sparks are created, there is a danger of hydrogen gas igniting when you charge the battery.

- ▶ Take care that the positive terminal of a connected battery does not come into contact with vehicle parts.
- ▶ Never place metal objects or tools on a battery.
- ▶ When connecting and disconnecting the battery, always observe the sequence of battery terminals described.
- ▶ During starting assistance, always take care to connect only battery terminals of identical polarity.
- ▶ During starting assistance, observe the sequence described for connecting and disconnecting the jump leads.
- ▶ Do not connect or disconnect the battery terminals with the engine running.

**⚠ WARNING**

Risk of explosion due to explosive mixture of gases

An explosive mixture of gases can escape from the battery during charging and starting assistance.

- ▶ Fire, naked flames, smoking and creating sparks must be avoided.
- ▶ Make sure there is adequate ventilation.
- ▶ Do not stand over the battery.

⚠ WARNING

Risk of explosion from a frozen battery

A discharged battery may freeze at temperatures slightly above or below freezing point.

During starting assistance or battery charging, battery gas can be released.

- ▶ Always allow a battery to thaw before charging it or performing starting assistance.

If the indicator/warning lamps in the driver display do not light up at low temperatures, the discharged battery is very likely frozen. In this case you must neither charge the battery nor give the vehicle starting assistance.

The service life of a defrosted battery may be drastically shortened. The starting behaviour may deteriorate, in particular at low temperatures.

It is recommended to have a defrosted battery checked at a qualified specialist workshop.

! NOTE

Damage caused by numerous or extended attempts to start the engine

Numerous or extended attempts to start the engine may damage the catalytic converter due to non-combusted fuel.

- ▶ Avoid numerous and extended attempts to start the engine.

OBSERVE THE FOLLOWING POINTS DURING STARTING ASSISTANCE AND WHEN CHARGING THE BATTERY:

- Only use undamaged jump leads/charging cables with a sufficient cross-section and insulated terminal clamps.
- Uninsulated parts of the terminal clamps must not come into contact with other metal parts as long as the jump leads/charging cables are connected to the battery/the jump-start connection point.
- The jump leads/charging cables must not touch any parts which may move when the engine is running.
- Always ensure that neither you nor the battery are electrostatically charged.
- Avoid fire and open flames at all times.
- Do not bend over a battery.

WHEN CHARGING THE BATTERY ALSO OBSERVE THE FOLLOWING POINTS:

- Only use chargers tested and approved for Mercedes-Benz.
- Read the charger's operating instructions before you charge the battery.





ALSO OBSERVE THE FOLLOWING POINTS DURING STARTING ASSISTANCE:

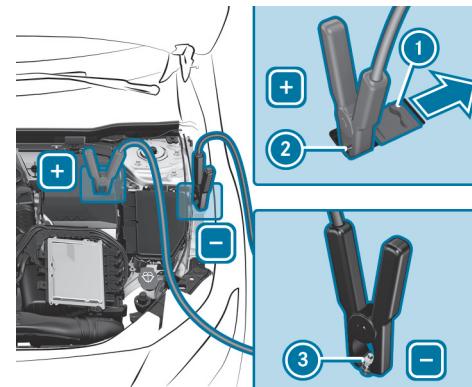
- Only use batteries with a rated voltage of 12 V for starting assistance.
- The vehicles must not touch each other.
- **Petrol engine:** Only give starting assistance when the engine is cold and the exhaust system has cooled down.

Starting assistance and charging the 12 V battery

PREPARE STARTING ASSISTANCE/CHARGING PROCESS

Plug-in hybrid: in order to start, the vehicle requires a sufficient state of charge of the high-voltage battery as well as a sufficient power of the 12 V onboard electrical system.

- ▶ Use the electric parking brake to secure the vehicle.
- ▶ Shift the transmission to position **P**.
- ▶ Switch off the vehicle and all electrical consumers.
- ▶ Open the bonnet.



- ▶ Slide cover **1** of positive terminal **2** on the jump-starting connection point in the direction of the arrow.

STARTING ASSISTANCE

- ▶ Connect the positive terminal of your own vehicle to the jump lead.
- ▶ Connect the positive terminal of the booster battery to the jump lead.
- ▶ On the assisting vehicle, let the engine run at idling speed.
- ▶ Connect the negative terminal of the booster battery to the jump lead.
- ▶ Connect the jump lead to your vehicle's earth point **3**.
- ▶ Start the engine of your own vehicle.
- ▶ Let the engines run for several minutes.
- ▶ Before disconnecting the jump lead, switch on an electrical consumer in your own vehicle, e.g. the rear window heater or the lighting.

When the starting assistance process is complete:



- ▶ Disconnect the jump lead from your vehicle's earth point ③.
- ▶ Remove the jump lead from the negative terminal of the booster battery.
- ▶ Remove the jump lead from the positive contact of your vehicle.
- ▶ Remove the jump lead from the positive terminal of the booster battery.
- ▶ After removing the jump lead, close cover ① of the positive terminal ②.

Plug-in hybrid: if your vehicle has been started with starting assistance, it may not be possible to use the electric drive for approximately 30 minutes.

Further information can be obtained at a qualified specialist workshop.

CHARGING THE 12 V BATTERY

- ▶ Connect the positive terminal of your own vehicle to the charging cable.
- ▶ Connect the positive terminal of the charger to the charging cable.
- ▶ Connect the negative terminal of the charger to the charging cable.
- ▶ Connect the charging cable to your vehicle's earth point ③.
- ▶ Start the charging process.

When the charging process is complete:

- ▶ Disconnect the charging cable from your vehicle's earth point ③.
- ▶ Remove the charging cable from the negative terminal of the charger.
- ▶ Remove the charging cable from the positive terminal of your own vehicle.
- ▶ Remove the charging cable from the positive terminal of the charger.

- ▶ After removing the charging cable, close cover ① of the positive terminal ②.

Replacing the 12-V-battery

- ▶ Observe the notes on the 12-V-battery (→ page 641).

Mercedes-Benz recommends that you have the 12-V-battery replaced at a qualified specialist workshop, e.g. at a Mercedes-Benz Service Centre.

OBSERVE THE FOLLOWING NOTES IF YOU WANT TO REPLACE THE BATTERY YOURSELF:

- Always replace a faulty battery with a battery which meets the specific vehicle requirements.
The vehicle is equipped with a fleece battery. Full vehicle functionality is only guaranteed with a fleece battery. For safety reasons, Mercedes-Benz recommends that you only use batteries which have been tested and approved for your vehicle by Mercedes-Benz.
- Use the detachable parts such as vent hose, elbow fittings or terminal covers from the battery to be replaced.
- Make sure that the vent hose is always connected to the original opening on the side of the battery.
Fit any existing or supplied stop plugs.
Otherwise, gases or battery acid could escape.
- Make sure that detachable parts are reconnected in the same way.





< Tow-starting or towing away

Overview of permissible towing methods (not plug-in hybrid)

! NOTE

Damage from automatic braking

THE VEHICLE WILL BRAKE AUTONOMOUSLY IN CERTAIN SITUATIONS IF THE FOLLOWING FUNCTIONS ARE SWITCHED ON:

- Active Brake Assist
- Active Distance Assist DISTRONIC
- HOLD function
- Active Parking Assist

To avoid damage to the vehicle, switch these systems off e.g. before towing it or in a car wash.

Mercedes-Benz recommends transporting your vehicle in case of a breakdown, rather than towing it.

For towing with both axles on the ground, use a tow rope or tow bar. Do not use tow bar systems.

! WARNING

Risk of accident when towing with steering wheel lock

If the steering wheel lock is engaged, you will not be able to steer the vehicle.

- ▶ When towing with a tow rope or tow bar, always switch on the vehicle.

! NOTE

Damage to the vehicle due to towing away incorrectly

- ▶ Observe the instructions and notes on towing away.





PERMITTED TOWING METHODS

Vehicle equipment/towing method			
	Both axles on the ground	Front axle raised	Rear axle raised
Vehicles with manual transmission	Yes, for a maximum of 50 km at 50 km/h	Yes, for a maximum of 50 km at 50 km/h	Yes, for a maximum of 50 km at 50 km/h
Vehicles with automatic transmission	Yes, for a maximum of 50 km at 50 km/h	Yes, for a maximum of 50 km at 50 km/h	Yes, for a maximum of 50 km at 50 km/h
4MATIC vehicles	Yes, for a maximum of 50 km at 50 km/h	No	No

Towing with a raised axle: towing should be performed by a towing company.

Overview of permitted towing methods (plug-in hybrid)

Mercedes-Benz recommends transporting your vehicle in case of a breakdown, rather than towing it.

For towing with both axles on the ground, use a tow rope or tow bar. Do not use tow bar systems.

PERMITTED TOWING METHODS

Vehicle equipment/towing method			
	Both axles on the ground	Front axle raised	Rear axle raised
Plug-in hybrid	Yes, for a maximum of 50 km at 50 km/h	Yes, for a maximum of 50 km at 50 km/h	Yes, for a maximum of 50 km at 50 km/h The steering wheel must be fixed in the centre position with a steering wheel lock.

IN THE FOLLOWING SITUATIONS, ONLY TRANSPORTING THE VEHICLE IS PERMITTED:

- The driver display is not working.

or

- The Towing not permitted See Owner's Manual message is displayed.



Exception: if the vehicle is located in a danger zone, it can be recovered from the danger zone despite the display message or the display not working.

It must not be towed further than 50 m with both axles on the ground. A towing speed of 10 km/h must not be exceeded. Beyond these limits, only transporting is permitted.

Towing the vehicle with both axles on the ground

- ▶ Observe the notes on the permitted towing methods (→ page 648).
- ▶ Plug-in hybrid: observe the notes on the permitted towing methods (→ page 649).
- ▶ Make sure that the battery is connected and charged.

OBSERVE THE FOLLOWING POINTS WHEN THE BATTERY IS DISCHARGED:

- The vehicle cannot be started.
- The electric parking brake cannot be released or applied.
- **Vehicles with automatic transmission:** the transmission cannot be shifted to position **N** or **P**.

-  **Vehicles with automatic transmission:** if the transmission cannot be shifted to position **N** or if the display does not show anything, transport the vehicle (→ page 652). A tow truck with lifting equipment is required for vehicle transport.

NOTE

Damage due to towing away at excessively high speeds or over long distances

The drivetrain could be damaged when towing at excessively high speeds or over long distances.

- ▶ A towing speed of 50 km/h must not be exceeded.
- ▶ A towing distance of 50 km must not be exceeded.

WARNING

Risk of accident when towing a vehicle with too much weight

IF THE VEHICLE TO BE TOWED IS HEAVIER THAN THE PERMISSIBLE GROSS MASS OF YOUR VEHICLE, THE FOLLOWING SITUATIONS CAN ARISE:

- The towing eye breaks off.
- The combination oscillates and can capsize.
- ▶ Before towing, check whether the vehicle to be towed exceeds the permissible gross mass.

If a vehicle is to be towed away, its permissible gross mass must not exceed the permissible gross mass of the towing vehicle.

- ▶ Information on the permissible gross mass of the vehicle can be found on the vehicle identification plate (→ page 749).
- ▶ Fit the towing eye (→ page 653).
- ▶ Fasten the towing device.



**! NOTE**

Damage due to incorrect connection of the tow bar

- ▶ Only connect the tow rope or tow bar to the towing eyes.

- ▶ Deactivate the automatic locking mechanism (→ page 189).
- ▶ Do not activate the HOLD function.
- ▶ Deactivate tow-away protection (→ page 207).
- ▶ Deactivate Active Brake Assist (→ page 397).
- ▶ **Vehicles with automatic transmission:** Shift the transmission to position **N**.
- ▶ **Vehicles with automatic transmission:** Do not open the driver's door or front passenger door; the transmission otherwise automatically shifts to position **P**.
- ▶ Release the electric parking brake.
- ▶ Switch on the vehicle. Otherwise the steering wheel locking could engage.

! WARNING

Risk of accidents due to restricted safety-related functions during towing

SAFETY-RELEVANT FUNCTIONS ARE RESTRICTED OR NO LONGER AVAILABLE IN THE FOLLOWING SITUATIONS:

- The vehicle is switched off.
- The brake system or the power steering is malfunctioning.
- The power supply or the on-board electrical system is defective.

If your vehicle is being towed, considerably more force may be required for steering and braking.

In addition, important vehicle display messages cannot be seen if the driver display is faulty.

- ▶ Use a tow bar.
- ▶ Before towing, ensure that the driver's display is operational and the steering can move freely.

! NOTE

Damage due to excessive tractive power

If you pull away sharply, the tractive power may be too high and the vehicles could be damaged.

- ▶ Pull away slowly and smoothly.





Loading up the vehicle for transport

Plug-in hybrid: Transportation of vehicles should only be carried out by professional towing companies.

- ▶ Observe the notes on towing away (→ page 72).
- ▶ Connect the towing device to the towing eye in order to load up the vehicle.
- ▶ **Vehicles with automatic transmission:** Shift the automatic transmission to position **N**.

i **Vehicles with automatic transmission:** The automatic transmission may be locked in position **P** in the event of damage to the electrical system. To shift to **N**, supply power to the on-board electrical system (→ page 67).

- ▶ Load the vehicle correctly onto the transporter.
 - Ensure that all wheels are on the transportation surface.
 - Ensure that the vehicle is positioned parallel with the direction of travel.
- ▶ Put the selector lever into position **P**.
- ▶ Use the electric parking brake to secure the vehicle against rolling away.
- ▶ Stop the vehicle and switch off the power supply.
- ▶ Only secure the vehicle by the wheels.

VEHICLES WITH ADAPTIVE DAMPING SYSTEM

⚠ WARNING

Risk of an accident when transporting vehicles with adaptive damping adjustment

When transporting vehicles with adaptive damping adjustment, the vehicle/trailer combination may begin to rock and start to skid.

- ▶ Load the vehicle correctly onto the transporter.
- ▶ Secure the vehicle on all four wheels with suitable tensioning straps.

! NOTE

Vehicle damage due to incorrect lashing

- ▶ Secure the vehicle at all four wheels after loading it up. Otherwise, the vehicle could be damaged.
- ▶ Keep a minimum distance of 20 cm above and 10 cm below the transport platform.

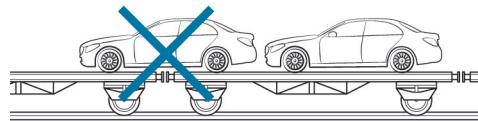
- ▶ Load the vehicle correctly onto the transporter.
 - Ensure that all wheels are on the transportation surface.
 - Ensure that the vehicle is positioned parallel with the direction of travel.
- ▶ Put the selector lever into position **P**.
- ▶ Use the electric parking brake to secure the vehicle against rolling away.
- ▶ Stop the vehicle and switch off the power supply.





- ▶ Secure the vehicle at all four wheels.

4MATIC VEHICLES/VEHICLES WITH AUTOMATIC TRANSMISSION



- ▶ Make sure that the front and rear axles come to rest on the same transport vehicle.

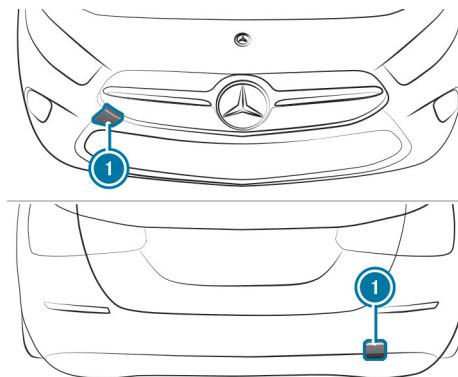
! **NOTE**

Damage to the drive train due to incorrect positioning of the vehicle

- ▶ Do not position the vehicle above the connection point of the transport vehicle.

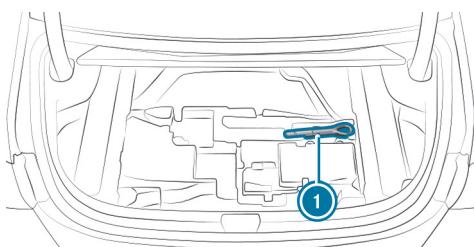
ⓘ Depending on the vehicle version, the towing eye is located in a different position in the boot.

Fitting and removing the towing eye



- ▶ Press the cover (1) inwards at the marking and remove.
- ▶ Screw in the towing eye in a clockwise direction as far as it will go.
- ▶ After removing the towing eye, reattach the cover (1) in the bumper.

Towing eye storage location



The towing eye (1) is located under the boot floor.

**! NOTE**

Damage to the vehicle as a result of incorrect use of the towing eye or trailer hitch

The vehicle could sustain damage if the towing eye or trailer hitch is used to pull on the vehicle during recovery situations.

- ▶ The towing eye and trailer hitch should only be used to tow the vehicle.
- ▶ Do not use the towing eye or trailer hitch to pull on the vehicle during recovery situations.

Tow-starting the vehicle

VEHICLES WITH AUTOMATIC TRANSMISSION

- ▶ Observe the following note on material damage:

! NOTE

Damage to the automatic transmission due to tow-starting

The automatic transmission may be damaged in the process of tow-starting vehicles with automatic transmission.

- ▶ Vehicles with automatic transmission must not be tow-started.





< Electrical fuses

Notes on electrical fuses

WARNING

Risk of accident and injury due to overloaded lines

If you manipulate or bridge a faulty fuse or if you replace it with a fuse with a higher amperage, the electric line could be overloaded.

This could result in a fire.

- ▶ Always replace faulty fuses with specified new fuses containing the correct amperage.

NOTE

Damage due to incorrect fuses

Using incorrect fuses can result in damage to electrical components or systems or their functions being considerably restricted.

- ▶ Use only fuses approved for Mercedes-Benz with the respective specified fuse rating.

Replace blown fuses with equivalent fuses, identifiable by their colour and label. The fuse ratings and further information to be observed can be found in the fuse assignment diagram.

Fuse assignment diagram: on the fuse box in the engine compartment
(→ page 656).

NOTE

Damage or malfunctions caused by moisture

Moisture may cause damage to the electrical system or cause it to malfunction.

- ▶ When the fuse box is open, make sure that no moisture can enter the fuse box.
- ▶ When closing the fuse box, make sure that the seal of the lid is positioned correctly on the fuse box.

If the newly inserted fuse also blows, have the cause determined and rectified at a qualified specialist workshop.

ENSURE THE FOLLOWING BEFORE REPLACING A FUSE:

- The vehicle is secured against rolling away.
- All electrical consumers are switched off.
- The vehicle is switched off.

THE ELECTRICAL FUSES ARE LOCATED IN VARIOUS FUSE BOXES:

- Fuse box in the engine compartment on the left-hand side of the vehicle, when viewed in the direction of travel (→ page 656)



- Fuse box in the front passenger footwell (→ page 657)
- Fuse box in the centre of the boot (→ page 658)

Opening and closing the fuse box in the engine compartment

Requirements:

- A dry cloth and a screwdriver are available.

Observe the notes on electrical fuses (→ page 69).

OPEN

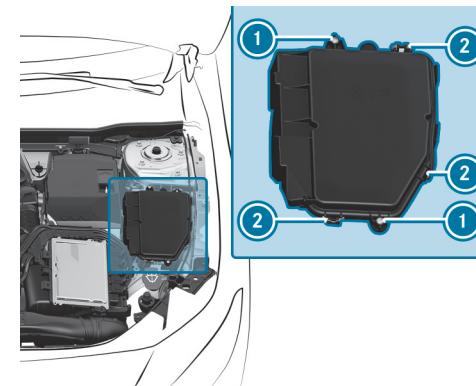
WARNING

Risk of injury from using the windscreen wipers when the bonnet is open

If the windscreen wipers start moving when the bonnet is open, you could be trapped by the wiper linkage.

- ▶ Always switch off the windscreen wipers and vehicle before opening the engine bonnet.

- ▶ Open the bonnet.

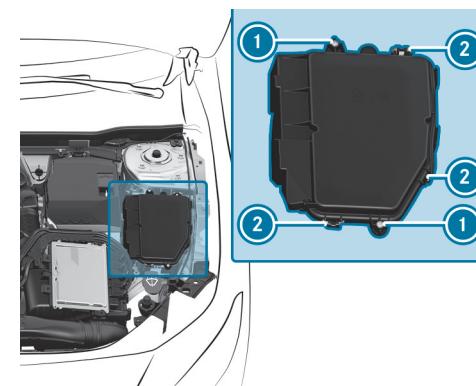


- ▶ Remove any existing moisture from the fuse box using a dry cloth.
- ▶ Loosen screws ①.
- ▶ Press clamps ② and lift the fuse box lid up and out.

The fuse assignment diagram is in a recess on the side of the fuse box.

CLOSING

- ▶ Check whether the seal is positioned correctly in the lid.





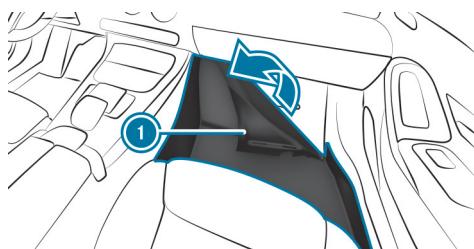
- ▶ Place the lid on the fuse box.
- ▶ Make sure that clamps ② engage.
- ▶ Tighten screws ①.
- ▶ Close the bonnet.

Opening and closing the fuse box in the front passenger footwell

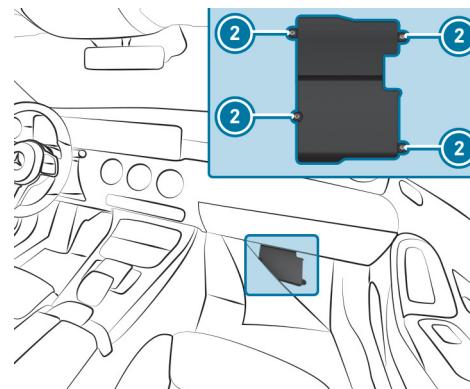
Requirements

Observe the notes on electrical fuses (→ page 69).

OPENING

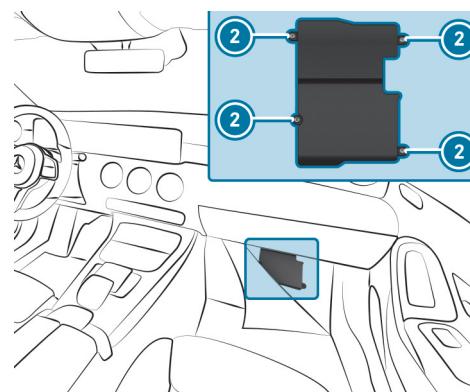


- ▶ Lift carpet ① in the direction of the arrow.



- ▶ Loosen screws ② and remove the fuse box lid from the top.

CLOSING



- ▶ Place the lid on the fuse box.
- ▶ Tighten screws ②.
- ▶ Fold back the carpet.



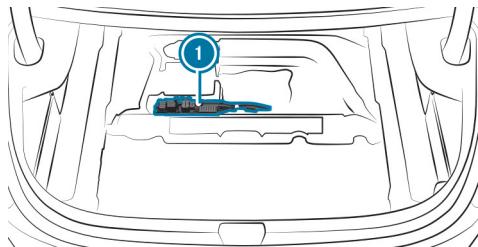


Opening and closing the fuse box in the boot

Requirements

Observe the notes on electrical fuses (→ page 69).

- ▶ Open the boot floor (→ page 56).



Fuse box ① is located in the centre underneath the boot floor.

Depending on the vehicle version, the fuse box may be in a different position under the boot floor.





< Wheels and tyres

This interactive PDF works like a website – tap or click a button to jump straight to where you want to go.

You can return here at any time via the navigation bar at the top left.

Notes on noise or unusual handling characteristics



Notes on regularly inspecting wheels and tyres



Notes on snow chains



Tyre pressure



Wheel change



Emergency spare wheel





< Notes on noise or unusual handling characteristics

Make sure there are no vibrations, noises or unusual handling characteristics when the vehicle is in motion. This may indicate that the wheels or tyres are damaged. Hidden tyre damage could also be causing the unusual handling characteristics.

If you suspect that a tyre is defective, reduce your speed immediately and have the tyres and wheels checked at a qualified specialist workshop.





< Notes on regularly inspecting wheels and tyres

WARNING

Risk of injury due to damaged tyres

Damaged tyres can cause tyre pressure loss.

- ▶ Check the tyres regularly for signs of damage and replace any damaged tyres immediately.

WARNING

Risk of aquaplaning due to insufficient tyre tread

Insufficient tyre tread will result in reduced tyre grip. There is a risk of an accident.

On a wet road surface the risk of aquaplaning is increased, in particular where speed is not adapted to suit the conditions.

- ▶ Check the tread depth and the condition of the tyre contact surface across the entire width of all tyres on a regular basis.

MINIMUM TREAD DEPTH FOR

- Summer tyres: 3 mm
- M+S tyres: 4 mm
- ▶ For safety reasons, replace the tyres before the legally-prescribed limit for the minimum tread depth is reached.
- ▶ Replace the tyres immediately if the legally-prescribed limit for the minimum tread depth is reached.

CARRY OUT THE FOLLOWING CHECKS ON ALL WHEELS REGULARLY, AT LEAST ONCE A MONTH OR AS REQUIRED, FOR EXAMPLE, PRIOR TO A LONG JOURNEY OR DRIVING OFF-ROAD:

- Check the tyre pressure (→ page 664).





- Visually inspect wheels and tyres for damage.
- Check the valve caps.
- Visual check of the tyre tread depth and the tyre contact surface across the entire width.

The minimum tread depth for summer tyres is 3 mm and for winter tyres 4 mm.





< Notes on snow chains

⚠ WARNING

Risk of accident due to incorrectly fitted snow chains

If you have fitted snow chains to the rear wheels, they may drag against the vehicle body or chassis components.

- ▶ Never fit snow chains on the rear wheels.
- ▶ Only fit snow chains on the front wheels in pairs.

! NOTE

Damage to vehicle body or suspension components caused by fitted snow chains

On 4MATIC vehicles, if you fit snow chains on the rear wheels, you can damage vehicle body or suspension components.

- ▶ On 4MATIC vehicles, only fit snow chains on the front wheels.

- If snow chains are fitted, the maximum permissible speed is 50 km/h.
- **Vehicles with Active Parking Assist:** Do not use Active Parking Assist when snow chains are fitted.

i You can permanently limit the speed for driving with winter tyres (→ page 381).

i You can deactivate ESP® to start off (→ page 371). This allows the wheels to spin, achieving increased tractive power.

OBSERVE THE FOLLOWING NOTES WHEN USING SNOW CHAINS:

- Snow chains are only permissible for certain wheel/tyre combinations. You can obtain information about this from a Mercedes-Benz Service Centre.
- For safety reasons, only use snow chains that have been specifically approved for your vehicle by Mercedes-Benz, or snow chains of the same quality standard.





< Tyre pressure

Notes on tyre pressure

WARNING

Risk of an accident due to tyre pressure that is insufficient or too high

TYRES WITH A PRESSURE THAT IS INSUFFICIENT OR TOO HIGH POSE THE FOLLOWING DANGERS IN PARTICULAR:

- The tyres can burst.
- The tyres can wear excessively and/or unevenly.
- The driving characteristics as well as the steering- and braking may be greatly impaired.
- ▶ Observe the recommended tyre pressures and check the tyre pressure of all tyres including the spare wheel:
 - monthly
 - when the load changes
 - before embarking on a longer journey
 - when the operating conditions change, e.g. off-road driving
 - when driving at over 250 km/h
- ▶ Adjust the tyre pressure, if necessary.

HIGH OR LOW TYRE PRESSURE CAN:

- Shorten the service life of the tyres.
- Cause increased tyre damage.
- Adversely affect driving characteristics and thus driving safety, e.g. due to aquaplaning.

WARNING

Risk of accident due to repeated pressure drop in the tyres
The wheels, valves or tyres could be damaged.

Too low a tyre pressure can lead to the tyres bursting.

- ▶ Examine the tyres for foreign objects.
- ▶ Check whether the tyre has a puncture or the valve has a leak.
- ▶ If you are unable to rectify the damage, contact a qualified specialist workshop.

Information on the recommended tyre pressure for the vehicle's factory-fitted tyres can be found on the tyre pressure table on the inside of the fuel filler flap (→ page 665).

Use a suitable pressure gauge to check the tyre pressure. The outer appearance of a tyre does not permit any reliable conclusion about the tyre pressure.





ONLY CORRECT TYRE PRESSURES WHEN THE TYRES ARE COLD. CONDITIONS FOR COLD TYRES:

- The vehicle has been parked with the tyres out of direct sunlight for at least three hours.
- The vehicle has travelled less than 1.6 km.

The vehicle's tyres heat up when driving. As the temperature of the tyres increases, so too does the tyre pressure.

Vehicles with a tyre pressure monitoring system: you can also see the tyre pressure in the driver display (→ page 666).

Tyre pressure table

The tyre pressure table is on the inside of the fuel filler flap.

		100 kPa = 1 bar		Car	
		kPa	psi	kPa	psi
		100	14.5	100	14.5
		100	14.5	100	14.5
		100	14.5	100	14.5
		100	14.5	100	14.5
		A 213 584 37 03		1234567	

The tyre pressure table shows the recommended tyre pressure for all tyres approved for this vehicle. The recommended tyre pressures apply for cold tyres under various operating conditions, i.e. loading and/or speed of the vehicle.

If one or more tyre sizes precede a tyre pressure, the following tyre pressure information is only valid for those tyre sizes and their respective load condition.

If the preceding tyre sizes are complemented by the symbol, the tyre pressure information following shows alternative tyre pressures. Fuel consumption may then increase slightly.

The load conditions "partially laden" and "fully laden" are defined in the table for different numbers of passengers and amounts of luggage. The actual number of seats may differ from this.

Tyre pressure monitoring system

FUNCTION OF THE TYRE PRESSURE MONITORING SYSTEM

The system checks the tyre pressure and the temperature of the tyres fitted to the vehicle by means of a tyre pressure sensor.

The tyre pressure and the tyre temperature are displayed on the driver display.

In the event of significant pressure loss or excessive temperature of the tyres, you will be warned by display messages (→ page 823) or the warning light on the driver display (→ page 847).

The tyre pressure monitoring system serves solely as an aid. It is the driver's responsibility to set the tyre pressure to the recommended cold tyre pressure suitable for the operating situation.

In most cases, the tyre pressure monitoring system will automatically update the new reference values after you have changed the tyre pressure. You can, however, also update the reference values by restarting the tyre pressure monitoring system manually (→ page 666).



SYSTEM LIMITS

THE SYSTEM MAY BE IMPAIRED OR INOPERATIVE IN THE FOLLOWING SITUATIONS IN PARTICULAR:

- Incorrect reference values were taught in.
- Sudden pressure loss caused, e.g. by a foreign object penetrating the tyre.
- There is a malfunction caused by another radio signal source.

CHECKING THE TYRE PRESSURE WITH THE TYRE PRESSURE MONITORING SYSTEM

Requirements:

- The vehicle is switched on.

Driver display:



- ▶ Press **OK** to confirm.

ONE OF THE FOLLOWING MESSAGES APPEARS:

- Current tyre pressure of each wheel:



- **Tyre pressures will be displayed after a few minutes of driving:** Current values are not yet known to the system. The pressure/temperature values of each tyre are displayed as soon as they are known to the system.
- **Tyre pressure monitor active:** The teach-in process of the system is not yet complete. The tyre pressures are already being monitored.
- ▶ Compare the current tyre pressure with the recommended tyre pressure for the current operating status (→ page 665). Additionally, observe the notes on cold tyres (→ page 664).

i The values displayed on the driver display may deviate from those of the tyre pressure gauge as they relate to sea level. At high elevations, the tyre pressure values indicated by a pressure gauge are higher than those shown on the driver display.

RESTARTING THE TYRE PRESSURE MONITORING SYSTEM

Requirements:

- The recommended tyre pressure is correctly set for the respective operating condition on each of the four wheels (→ page 664).

RESTART THE TYRE PRESSURE MONITORING SYSTEM IN THE FOLLOWING SITUATIONS:

- The tyre pressure has changed.
- The wheels or tyres have been changed or newly fitted.





Driver display:



- ▶ Show tyre pressure: press **OK**.
- ▶ Show options: press **OK** again.
- ▶ Select **Tyre pressure** and confirm with **OK**.

The driver display shows the message [Use current tyre pressures as new reference values?](#)

- ▶ Select **Yes** and confirm the restart with **OK**.

The driver display shows the message [Tyre pressure monitor restarted](#).

Current warning messages are deleted and the  yellow warning lamp goes out.

After you have driven for a few minutes, the system checks whether the current tyre pressures are within the specified range. The current tyre pressures are then accepted as reference values and monitored.

If the tyre pressure values are not within the prescribed range, the message [Please correct tyre pressure](#) appears.

Tyre pressure loss warning system

FUNCTION OF THE TYRE PRESSURE LOSS WARNING SYSTEM

The tyre pressure loss warning system warns the driver by means of display messages when there is a severe tyre pressure loss.

SYSTEM LIMITS

THE SYSTEM MAY BE IMPAIRED OR MAY NOT FUNCTION PARTICULARLY IN THE FOLLOWING SITUATIONS:

- incorrect reference values were taught in
- sudden pressure loss caused by a foreign object penetrating the tyre, for example

- an even pressure loss on more than one tyre occurs

THE SYSTEM HAS A RESTRICTED OR DELAYED FUNCTION PARTICULARLY IN THE FOLLOWING SITUATIONS:

- poor ground conditions, e.g. snow or gravel
- driving with snow chains
- when adopting a very sporty driving style with high cornering speeds or sudden acceleration
- driving with a very heavy or large trailer
- driving with a high load

The tyre pressure loss warning system is only an aid. It is the driver's responsibility to set the tyre pressure to the recommended cold tyre pressure suitable for the operating situation and to check it.

BE SURE TO ALSO OBSERVE THE FOLLOWING FURTHER RELATED SUBJECTS:

- Notes on tyre pressure (→ page 664)
- Display messages about the tyres (→ page 823)

RESTARTING THE TYRE PRESSURE LOSS WARNING SYSTEM

Requirements:

- The recommended tyre pressure is correctly set for the respective operating condition on each of the four wheels (→ page 664).

RESTART THE TYRE PRESSURE LOSS WARNING SYSTEM IN THE FOLLOWING SITUATIONS:

- The tyre pressure has changed.



- The wheels or tyres have been changed or newly fitted.

Driver display:



- ▶ Select **Tyre pressure** and confirm with **OK**.

The driver display shows the message **Run Flat Indicator active**.

- ▶ To initiate the restart: press the steering wheel button **OK**.

The driver display shows the message **Are the current pressure values OK?**.

- ▶ Select **Yes**.

- ▶ To confirm the restart: press the steering wheel button **OK**.

The driver display shows the message **Run Flat Indicator restarted**.

BE SURE TO OBSERVE THE FOLLOWING FURTHER RELATED TOPICS:

- Notes on tyre pressure (→ page 664)





< Wheel change

Notes on selecting, fitting and replacing tyres

WARNING

Risk of accident due to incorrect wheel and tyre dimensions

If wheels and tyres of the wrong size are fitted, the service brakes or components in the brake system and in the wheel suspension may be damaged.

- ▶ Always replace wheels and tyres with those that fulfil the specifications of the original part.

FOR WHEELS, PAY ATTENTION TO THE FOLLOWING:

- Designation
- Type

FOR TYRES, PAY ATTENTION TO THE FOLLOWING:

- Designation
- Manufacturer
- Type

WARNING

Risk of injury through exceeding the specified tyre load-bearing capacity or the permissible speed rating

Exceeding the load-bearing capacity of the tyres can lead to tyre damage and could cause the tyres to explode.

- ▶ Therefore, only use tyre types and sizes approved for your vehicle model.
- ▶ Observe the tyre load-bearing capacity rating and speed rating required for your vehicle.



**! NOTE**

Vehicle and tyre damage caused by non-approved tyre types and sizes

For safety reasons, only use tyres, wheels and accessories which have been specially approved by Mercedes-Benz for your vehicle.

THESE TYRES ARE SPECIFICALLY CONFIGURED FOR ACTIVE SAFETY SYSTEMS, E.G. ABS, ESP^{*} AND 4MATIC, AND ARE MARKED AS FOLLOWS:

- MO = Mercedes-Benz Original
- MOE = Mercedes-Benz Original Extended (tyres with run-flat characteristics, only for certain wheels)
- MO1 = Mercedes-Benz Original (only certain AMG tyres)

Otherwise certain properties, e.g. driving characteristics, noise emissions, consumption, etc., could be adversely affected. Furthermore, other tyre sizes could result in the tyres rubbing against the body and axle components when loaded. This could result in damage to the tyre or the vehicle.

Only use tyres, wheels and accessories that have been checked and recommended by Mercedes-Benz.

! NOTE

Risk to driving safety from retreaded tyres

Retreaded tyres are neither tested nor recommended by Mercedes-Benz, since previous damage cannot always be detected on retreaded tyres.

For this reason driving safety cannot be guaranteed.

- ▶ Do not use used tyres if you have no information about their previous usage.

! NOTE

Possible wheel and tyre damage when driving over obstacles

Large wheels have a smaller section width. As the section width decreases, the risk of wheels and tyres being damaged when driving over obstacles increases.

- ▶ Avoid obstacles or drive especially carefully.
- ▶ Reduce your speed when driving over kerbs, speed bumps, manhole covers and potholes.
- ▶ Avoid particularly high kerbs.



**! NOTE**

Possible wheel and tyre damage when parking on kerbs or in potholes

Parking on kerbs or in potholes can damage the wheels and tyres.

- ▶ Only park on level surfaces if possible.
- ▶ Avoid kerbs and potholes when parking.

! NOTE

Damage to electronic component parts due to the use of tyre-fitting tools

Vehicles with tyre pressure monitoring system: there are electronic components in the wheel.

Positioning tyre-fitting tools in the area of the valve may damage the electronic components.

- ▶ Tyre-fitting tools should not be applied in the area of the valve.
- ▶ Always have tyres changed at a qualified specialist workshop.

! NOTE

Damage to summer tyres at low ambient temperatures

At low ambient temperatures, tears could form when driving with summer tyres, causing permanent damage to the tyre.

- ▶ At temperatures below 7 °C use M+S tyres.

Accessory parts which are not approved for your vehicle by Mercedes-Benz, or which are not used correctly, can impair the operating safety.

BEFORE PURCHASING AND USING NON-APPROVED ACCESSORIES, VISIT A QUALIFIED SPECIALIST WORKSHOP AND ENQUIRE ABOUT:

- Suitability
- Legal provisions
- Factory recommendations

! WARNING

Risk of accident with sport tyres

The special tyre tread in combination with the optimised tyre compound means that the risk of skidding or aquaplaning on wet roads is increased.

In addition, the tyre grip is greatly reduced at a low outside temperature and tyre running temperature.

- ▶ Switch on the ESP® and adapt your driving style accordingly.
- ▶ Use M+S tyres at outside temperatures of less than 7 °C.
- ▶ Only use tyres suitable for the intended use.

OBSERVE THE FOLLOWING WHEN SELECTING, FITTING AND REPLACING TYRES:

- Country-specific requirements for tyre approval that define a specific tyre type for your vehicle.
- The use of certain tyre types in certain regions and areas of operation can be advisable.





- Only use tyres and wheels of the same type (summer tyres, winter tyres, MOExtended tyres) and the same make.
- Only fit wheels of the same size on one axle (left and right).
Only fit a different size of wheel in the event of a flat tyre, to enable you to drive to a specialist workshop.
- Do not make any modifications to the brake system, the wheels or the tyres.
The use of shims or brake dust shields is not permitted and may invalidate the vehicle's general operating permit.
- **Vehicles with a tyre pressure monitoring system:** all fitted wheels must be equipped with functioning sensors for the tyre pressure monitoring system.
- At temperatures below 7 °C, use winter tyres or all-season tyres marked M+S for all wheels.
Winter tyres provide the best possible grip in wintry road conditions.
- For M+S tyres, only use tyres with the same tread.
- Observe the maximum permissible speed for the M+S tyres fitted.
If the tyre's maximum speed is below that of the vehicle, this must be indicated by an appropriate label in the driver's field of vision.
- Drive the vehicle with new tyres at moderate speeds for the first 100 km.
- Replace the tyres after six years at the latest, regardless of wear.
- **When replacing with tyres that do not feature run-flat characteristics:** Vehicles with MOExtended tyres are not equipped with a TIREFIT kit at the factory. Equip the vehicle with a TIREFIT kit after replacing with tyres that do not feature run-flat characteristics, e.g. winter tyres.

You can permanently limit the speed for driving with winter tyres
(→ page 381).

For more information on wheels and tyres, contact a qualified specialist workshop.

VEHICLES WITH AN AMG DRIVER'S PACKAGE

WARNING

Risk of accident caused by non-approved tyre types

If you use tyre types that have not been adapted to changes made to the factory speed limit, this can have the following consequences:

- The tyres are not suitable for high speeds and the corresponding driving dynamics.
- The tyres wear unevenly and affect the roadworthiness of the vehicle.
- ABS, ESP® and cruise control operation are restricted.

This can jeopardise road safety.

- ▶ Only use tyre types that have been approved for the maximum permissible speed set and the vehicle.



Notes on changing wheels

WARNING

Risk of injury through different wheel sizes

Interchanging the front and rear wheels can severely impair the driving characteristics.

The disk brakes or wheel suspension components may also be damaged.

- ▶ Only interchange the front and rear wheels if the wheels and tyres have the same dimensions.

Interchanging the front and rear wheels if the wheels or tyres have different dimensions can render the general operating permit invalid.

Observe the instructions and safety notes on "Changing a wheel" (→ page 669).

THE WEAR PATTERNS ON THE FRONT AND REAR WHEELS DIFFER:

- front wheels wear more on the tyre shoulder
- rear wheels wear more in the centre of the tyre

Do not drive with tyres that have too little tread depth. This significantly reduces traction on wet roads (aquaplaning).

On vehicles with the same front and rear wheel size, you can interchange the wheels every 5000 to 10,000 km, depending on the wear. Ensure the direction of rotation is maintained for the wheels.

Notes on storing wheels

WHEN STORING WHEELS, OBSERVE THE FOLLOWING NOTES:

- After removing wheels, store them in a cool, dry and preferably dark place.
- Protect the tyres from contact with oil, grease or fuel.

Overview of the tyre-change tool kit

With the exception of some country-specific variants, vehicles are not equipped with a tyre-change tool kit. Consult a qualified specialist workshop to find out which tyre-change tool kit is necessary and approved for a wheel change on your vehicle.

YOU REQUIRE THE FOLLOWING TOOLS, FOR EXAMPLE, TO CHANGE A WHEEL:

- Jack
- Chock
- Wheel wrench
- Centring pin

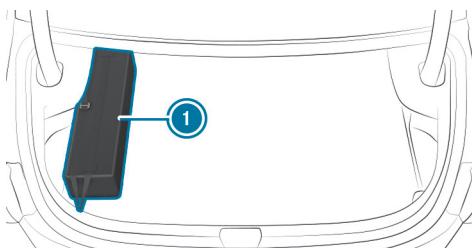
-  The jack weighs approximately 3.4 kg.
The maximum load capacity of the jack can be found on the sticker affixed to the jack.
The jack is maintenance-free. In the event of a malfunction, please contact a qualified specialist workshop.

The tyre-change tool kit is located in the tool bag  in the boot.



i Depending on the respective vehicle model, the tool bag may also be located in other positions in the boot.

i When stowing the tool bag, ensure that it is adequately secured.



THE TOOL BAG CONTAINS:

- Jack
- Gloves
- Wheel wrench
- Centring pin
- Folding chock
- Ratchet wrench for jack

Preparing the vehicle for a wheel change

Requirements:

- The vehicle is not on a slope.
- The vehicle is on solid, non-slippery and level ground.
- The required tyre-change tool kit is available.

i If your vehicle is not equipped with the tyre-change tool kit, consult a qualified specialist workshop to find out about suitable tools.

- ▶ Apply the electric parking brake manually.
- ▶ Move the front wheels to the straight-ahead position.
- ▶ Shift the transmission to position **P**.
- ▶ Switch off the vehicle.
- ▶ Make sure the vehicle cannot be started.
- ▶ Place wedges or other suitable items under the front and rear of the wheel that is diagonally opposite the wheel you wish to change.
- ▶ If necessary, remove wheel trims/hub caps (→ page 674).
- ▶ Raise the vehicle (→ page 675).

Removing and fitting wheel trim/hub caps

Requirements

- The vehicle is prepared for a wheel change (→ page 674).

PLASTIC HUB CAP

Removal:

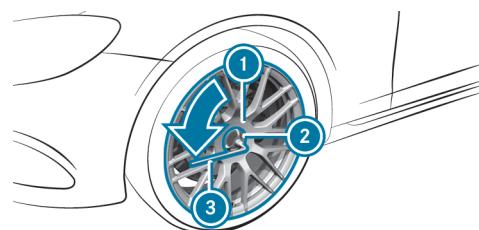
- ▶ Turn the centre cover of the hub cap anti-clockwise and remove the hub cap.



Fitting:

- ▶ Make sure that the centre cover of the hub cap has been turned anti-clockwise.
- ▶ Position the hub cap and turn the centre cover clockwise until the hub cap is felt and heard to engage.

ALUMINIUM HUB CAP



Removal:

- ▶ Position socket (2) from the tyre-change tool kit on the hub cap (1).
- ▶ Position the wheel wrench (3) on the socket (2).
- ▶ Using wheel wrench (3), turn the hub cap (1) anti-clockwise and remove it.

Fitting:

- ▶ Follow the instructions above in reverse order.

(i) Specified tightening torque: 25 Nm.

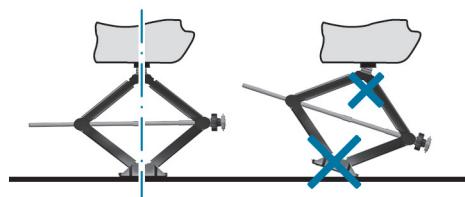
Raising the vehicle for a wheel change

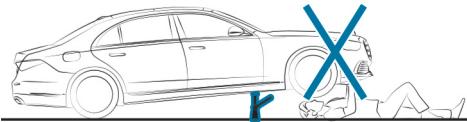
Requirements:

- There are no persons in the vehicle.
- The vehicle has been prepared for a wheel change (→ page 674).
- The wheel trims and hub caps have been removed (→ page 674).

IMPORTANT NOTES ON USING THE JACK:

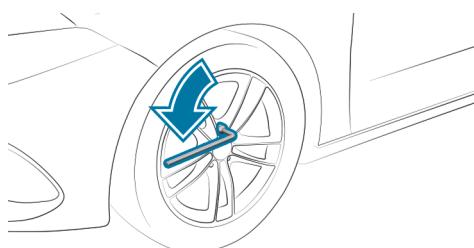
- Use only a vehicle-specific jack that has been approved for Mercedes-Benz to raise the vehicle.
- The jack is only designed for raising and holding the vehicle for a short time while a wheel is being changed and not for maintenance work under the vehicle.
- The jack must be placed on a firm, level and non-slip surface. If necessary, use a large, flat, load-bearing, non-slip underlay.
- The foot of the jack must be positioned vertically under the jack support point.



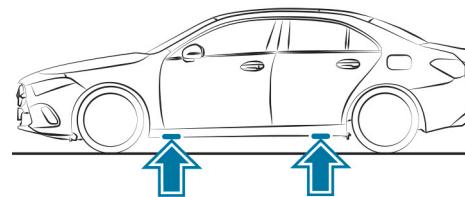


RULES OF CONDUCT WHEN THE VEHICLE IS RAISED:

- Do not put your hands or feet under the vehicle.
- Do not lie under the vehicle.
- Do not start the vehicle and do not release the electric parking brake.
- Do not open or close any doors or the boot lid.



- ▶ Using the wheel spanner, loosen the wheel bolts on the wheel you wish to change by about one full turn. Do not unscrew the screws completely.



Position of the jack support points

⚠ WARNING

Risk of injury from incorrect positioning of the jack

If you do not position the jack correctly at the appropriate jacking point of the vehicle, the jack could tip with the vehicle raised.

- ▶ Only position the jack at the appropriate jacking point of the vehicle. The base of the jack must be positioned vertically under the jacking point of the vehicle.

! NOTE

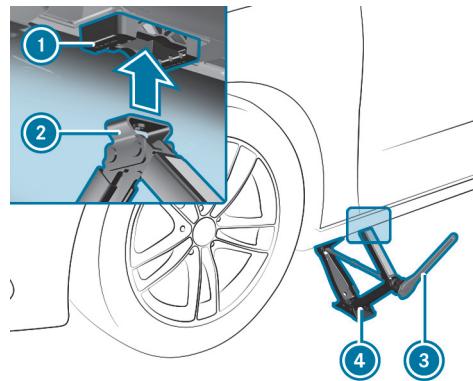
Damage to the vehicle due to the jack

If the jack has not been positioned at the prescribed jack support points, the vehicle may suffer damage.

- ▶ Only position the jack at the jack support points provided for this purpose.

- ▶ Take the ratchet wrench out of the tyre-change tool kit and place it on the hexagon nut of the jack in such a way that the lettering "AUF" is visible.





- ▶ Position support plate ② of jack ④ in line with jack support point ①.

i If there is a total loss of pressure in a tyre, it may be possible that the jack cannot be positioned at jack support point ①. In this case, unload the vehicle.

- ▶ Turn ratchet ③ clockwise until support ② sits completely on jack support point ① and the base of the jack lies evenly on the ground.
- ▶ Turn ratchet ③ until the tyre is raised a maximum of 3 cm from the ground.
- ▶ Loosen and remove the wheel (→ page 677).

Removing a wheel

Requirements:

- The vehicle is raised (→ page 675).

Notes on Mercedes-AMG vehicles:



NOTE
Damage to the ceramic brake disc during wheel change

Vehicles with ceramic brake discs: during removal and repositioning of the wheel, the wheel rim can strike the ceramic-brake disc and damage it.

- ▶ Take particular care.
- ▶ Ask another person for assistance or use a second centring pin.

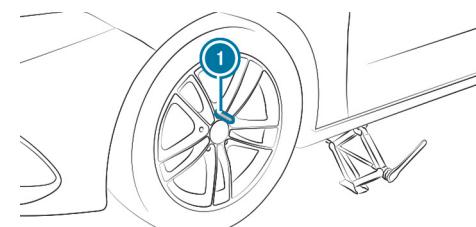
When changing a wheel, avoid applying any force to the brake disks, as this could impair the level of comfort when braking.



NOTE
Damage to threading from dirt on wheel bolts

- ▶ Do not place wheel bolts in sand or on a dirty surface.

- ▶ Unscrew the uppermost wheel bolt completely.





- ▶ Screw centring pin ① into the thread instead of the wheel bolt.
- ▶ Unscrew the remaining wheel bolts completely.
- ▶ Remove the wheel and, if necessary, store it in the boot.
- ▶ Notes on removing an emergency spare wheel (→ page 680).

Fitting a new wheel

Requirements:

- The wheel to be changed is removed and the centring pin is screwed in (→ page 677).

WARNING

Risk of accident from losing a wheel

Oiled or greased wheel bolts can cause the wheel bolts to come loose, as too can damaged wheel bolts or wheel hub threads.

- ▶ Never oil or grease the threads.
- ▶ In the event of damage to the threads, contact a qualified specialist workshop immediately.
- ▶ Have the damaged wheel bolts or damaged hub threads replaced.
- ▶ Do not continue driving.

- ▶ Observe the information on the choice of tyres (→ page 669).

For tyres with a specified running direction, an arrow on the side wall of the tyre indicates the correct running direction. Observe the direction of rotation when assembling.

Note on AMG vehicles:

NOTE

Damage to the ceramic brake disc during wheel change

Vehicles with ceramic brake discs: during removal and repositioning of the wheel, the wheel rim can strike the ceramic-brake disc and damage it.

- ▶ Take particular care.
- ▶ Ask another person for assistance or use a second centring pin.

- ▶ Slide the wheel to be mounted onto the centring pin and push it on.
- ▶ Observe the notes on fitting an emergency spare wheel (→ page 680).

WARNING

Risk of injury from tightening wheel bolts and nuts

If you tighten the wheel bolts or wheel nuts when the vehicle is raised, the jack could tip.

- ▶ Only tighten wheel bolts or wheel nuts when the vehicle is on the ground.



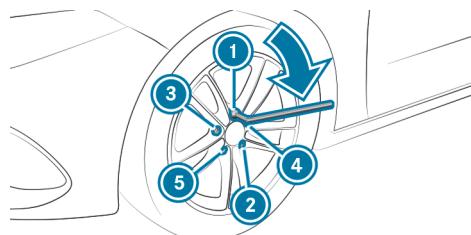


- ▶ Observe the instructions and safety notes on "Changing a wheel" (→ page 669).
- ▶ For safety reasons, only use wheel bolts which have been approved for Mercedes-Benz and for the wheel in question.
- ▶ Tighten the wheel bolts evenly in a diagonal pattern in the order indicated until they are hand-tight.
- ▶ Unscrew and remove the centring pin.
- ▶ Tighten the last wheel bolt until it is hand-tight.
- ▶ Lower the vehicle (→ page 679).

Lowering the vehicle after a wheel change

Requirements:

- The new wheel has been fitted (→ page 678).
- ▶ **To lower the vehicle:** place the ratchet wrench onto the hexagon nut of the jack in such a way that the lettering "AB" is visible and turn it anti-clockwise.



- ▶ Tighten the wheel bolts evenly in a diagonal pattern in the order indicated ① to ⑤ with an initial maximum force of 80 Nm.
- ▶ Tighten the wheel bolts evenly in a diagonal pattern in the order indicated ① to ⑤ with the specified tightening torque of 130 Nm.

⚠ WARNING

Risk of accident due to incorrect tightening torque

The wheels could come loose if the wheel bolts or wheel nuts are not tightened to the prescribed torque.

- ▶ Ensure that the wheel bolts or wheel nuts are tightened to the prescribed tightening torque.
- ▶ If you are not sure, do not move the vehicle. Contact a qualified specialist workshop and have the tightening torque checked immediately.

- ▶ Check the tyre pressure of the newly fitted wheel and adjust it if necessary.

i The following does not apply if the new wheel is an emergency spare wheel:

- ▶ **Vehicles with a tyre pressure loss warning system:** Restart the tyre pressure loss warning system (→ page 667).
- ▶ **Vehicles with a tyre pressure monitoring system:** Restart the tyre pressure monitoring system (→ page 666).





< Emergency spare wheel

Notes on the emergency spare wheel

WARNING

Risk of accident caused by incorrect wheel and tyre dimensions

The wheel or tyre size and the tyre type of the emergency spare wheel or spare wheel and the wheel to be replaced may differ. The emergency spare wheel or spare wheel can significantly impair driving characteristics of the vehicle.

To prevent hazardous situations:

- ▶ Drive carefully.
- ▶ Never fit more than one emergency spare wheel or spare wheel that differs in size.
- ▶ Only use an emergency spare wheel or spare wheel briefly.
- ▶ Do not deactivate ESP®.
- ▶ Have the emergency spare wheel or spare wheel of a different size replaced at the nearest qualified specialist workshop. The new wheel must have the correct dimensions.

-  The emergency spare wheel is secured in the emergency spare wheel bag in the boot.

FOLLOWING NOTES ON REMOVING AN EMERGENCY SPARE WHEEL:

- Make sure there is no air left in the tyre before stowing the emergency spare wheel.
If necessary, allow the air to escape.
- **To release air from the tyre:** remove the valve cap of the tyre.
- Press down the metal insert in the valve using a pointed object, e.g. a pen.
- Screw the valve cap onto the valve.

FOLLOWING NOTES ON FITTING AN EMERGENCY SPARE WHEEL:

- The maximum permissible speed with an emergency spare wheel fitted is 80 km/h.
- Do not fit the emergency spare wheel with snow chains.
- Replace the emergency spare wheel after six years at the latest, regardless of wear.
- Use the included wheel bolts for the emergency spare wheel.
- Check the tyre pressure of the fitted emergency spare wheel and adjust it as necessary.

-  The specified tyre pressure is stated on the label of the emergency spare wheel.



(i) Vehicles with a tyre pressure loss warning system: if an emergency spare wheel is fitted, the tyre pressure loss warning system cannot function reliably. Only restart the system when the emergency spare wheel has been replaced with a new wheel.

Vehicles with a tyre pressure monitoring system: if an emergency spare wheel is fitted, the tyre pressure monitoring system cannot function reliably. For a few minutes after an emergency spare wheel is fitted, the system may still display the tyre pressure of the removed wheel. Only restart the system when the emergency spare wheel has been replaced with a new wheel.

ALSO TAKE NOTE OF THE FOLLOWING TOPICS:

- Notes on tyre pressure (→ page 664)
- Tyre pressure table (→ page 665)
- Notes on fitting tyres (→ page 669)
- Fitting an emergency spare wheel (→ page 674)

Inflating the emergency spare wheel

! NOTE

Overheating due to the tyre inflation compressor running too long

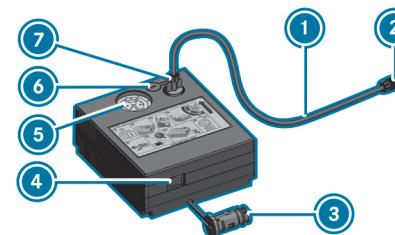
- ▶ Do not run the tyre inflation compressor for longer than ten minutes without interruption.

Requirements

- The emergency spare wheel has been fitted correctly (→ page 674).

(i) Comply with the manufacturer's safety notes on the sticker of the emergency spare wheel and on the tyre inflation compressor.

- ▶ Remove the sticker with the label 80 km/h from the tyre inflation compressor housing and affix it to the instrument cluster within the driver's field of vision.
- ▶ Remove the tyre inflation compressor from the stowage space under the boot floor (→ page 71).



- ▶ Pull filler hose ① and plug ③ out of the tyre inflation compressor housing.
- ▶ Insert plug ⑦ of filler hose ① in the socket on the tyre inflation compressor and then turn it until plug ⑦ engages.
- ▶ Unscrew the cap from the valve on the emergency spare wheel.
- ▶ Screw union nut ② of filler hose ① onto the valve.
- ▶ Make sure on and off switch ④ of the tyre inflation compressor is set to 0.
- ▶ Insert plug ③ in a socket in your vehicle.





- 12 V socket (→ page 246)
- Observe the notes on sockets (→ page 246).
- ▶ Press the start/stop button once to switch on the power supply (→ page 288).
- ▶ Press on and off switch ④ on the tyre inflation compressor to **I**.
The tyre inflation compressor is switched on. The tyre is inflated. The tyre pressure is shown on manometer ⑤.
- ▶ Pump the tyre to the specified tyre pressure.

i The specified tyre pressure is stated on the label of the emergency spare wheel.

- ▶ When the specified tyre pressure has been reached, press on and off switch ④ on the tyre inflation compressor to **0**.
The tyre inflation compressor is switched off.
- ▶ Press the start/stop button to switch off the power supply.
- ▶ If the tyre pressure is higher than the specified pressure, press pressure release valve button ⑥ until the correct tyre pressure has been reached.
- ▶ Unscrew union nut ② of filler hose ① from the valve.
- ▶ Screw the valve cap of the emergency spare wheel onto the valve again.





< Technical data

This interactive PDF works like a website – tap or click a button to jump straight to where you want to go.
You can return here at any time via the navigation bar at the top left.

Notes on technical data



On-board electronics



Regulatory radio information



Overview of vehicle identification plate,
VIN and engine number



Operating fluids



Vehicle data





< Notes on technical data

The technical data was determined in accordance with EU Directives. The data stated only applies to vehicles with standard equipment. You can obtain further information from a Mercedes-Benz Service Centre.

Only for certain countries: you can find vehicle-specific vehicle data in the COC documents (CERTIFICATE OF CONFORMITY). These documents are supplied upon delivery of the vehicle.





< On-board electronics

Notes on tampering with the engine electronics

! NOTE

Premature wear through improper maintenance

Improper maintenance may cause vehicle components to wear more quickly and the vehicle's operating permit may be invalidated.

- ▶ Always have work on the engine electronics and related components carried out at a qualified specialist workshop.

Two-way radios

NOTES ON INSTALLING TWO-WAY RADIOS

! WARNING

Risk of accident due to improper work on two-way radios

If two-way radios are manipulated or retrofitted incorrectly, the electromagnetic radiation from the two-way radios can interfere with the vehicle electronics and jeopardise the operating safety of the vehicle.

- ▶ You should have all work on electrical and electronic components carried out at a qualified specialist workshop.

! WARNING

Risk of accident due to improper operation of two-way radios

If you use two-way radios in the vehicle improperly, their electromagnetic radiation can disrupt the vehicle's electronics. This is the case in the following situations, in particular:

- The two-way radio is not connected to an exterior aerial.
- The exterior aerial is fitted incorrectly or is not a low-reflection aerial.

This could jeopardise the operating safety of the vehicle.

- ▶ Have the low-reflection exterior aerial fitted at a qualified specialist workshop.
- ▶ When operating two-way radios in the vehicle, always connect them to the low-reflection exterior aerial.

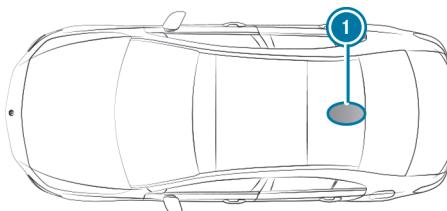


! NOTE

Invalidation of the operating permit due to failure to comply with the instructions for installation and use

The operating permit may be invalidated if the instructions for installation and use of two-way radios are not observed.

- ▶ Only use approved frequency bands.
- ▶ Observe the maximum permissible output power in these frequency bands.
- ▶ Only use approved aerial positions.



① Rear roof area

Fitting a roof aerial to vehicles with a panoramic sliding sunroof is not permitted.

Use Technical Specification ISO/TS 21609 (Road Vehicles – "EMCs for installation of aftermarket radio frequency transmitting equipment") when retrofitting two-way radios. Comply with the legal requirements for detachable parts.

If your vehicle is equipped with the pre-installation for a two-way radio, use the power supply and aerial connectors provided in the pre-installation. Observe the manufacturer's supplements when fitting.

MOBILE PHONE TRANSMISSION OUTPUT

The maximum transmission output (PEAK) at the base of the aerial must not exceed the values in the following table.

FREQUENCY BAND AND MAXIMUM TRANSMISSION OUTPUT

Frequency band	Maximum transmission output
2-m- frequency band 144 - 174 MHz	50 W
Terrestrial Trunked Radio (TETRA) 380 - 460 MHz	10 W
Mobile phone 2G	2 W
Mobile phone 3G/4G/5G	0.5 W

THE FOLLOWING CAN BE USED IN THE VEHICLE WITHOUT RESTRICTIONS:

- two-way radios with a maximum transmission output of up to 100 mW
- two-way radios with transmitter frequencies in the 380 -410 MHz frequency band and a maximum transmission output of up to 2 W (TETRA)
- mobile phones (2G/3G/4G/5G)

THERE ARE NO RESTRICTIONS WHEN POSITIONING THE AERIAL ON THE OUTSIDE OF THE VEHICLE FOR THE FOLLOWING FREQUENCY BANDS:

- Terrestrial Trunked Radio (TETRA)
- 2G/3G/4G/5G



< Regulatory radio information

Regulatory radio identifiers / specific notes

The tables and sections contain the following regulatory radio information:

- Manufacturer information
- Required regulatory radio identifiers, listed by country/region:
 - Manufacturer's specifications
 - Model designations
 - Radio equipment approval numbers
- Specific information on wireless vehicle components

Further information and updates are available at the following web address:

<https://regulatoryradioinformation.corpinter.net/en>



OVERVIEW OF MANUFACTURERS

Manufacturer	Manufacturer information
ADC	ADC Automotive Distance Control Systems GmbH, Peter-Dornier-Straße 10, 88131 Lindau, Germany
Bosch	Robert Bosch GmbH, Daimlerstraße 6, 71229 Leonberg, Germany

Manufacturer	Manufacturer information
Bury	BURY SP. Z O.O., UL. WOJSKA POLSKIEGO 4, 39-300 Mielec, Poland
Continental Antenna	Continental Advanced Antenna GmbH, Römerring 1, 31137 Hildesheim, Germany
Continental Automotive	Continental Automotive GmbH, Siemensstraße 12, 93055 Regensburg, Germany
Continental Automotive Technologies	Continental Automotive Technologies GmbH, VDO-Straße 1, 64832 Babenhausen, Germany
Gentex	Gentex Corporation, 600 North Centennial Street, Zeeland MI 49464, USA
Harman Becker	Harman Becker Automotive Systems GmbH, Becker-Goehring-Straße 18, 76307 Karlsbad, Germany
HELLA	HELLA KGaA Hueck & Co., Rixbecker Straße 75, 59552 Lippstadt, Germany
Hirschmann	Hirschmann Car Communication GmbH, Stuttgarter Straße 45-51, 72654 Neckartenzlingen, Germany
Huf Baolong	Huf Baolong Electronics Bretten GmbH, Gewerbestraße 40, 75015 Bretten, Germany
HUF	HUF Hülsbeck & Fürst GmbH & Co. KG, Steeger Straße 17, 42551 Velbert, Germany



Manufacturer	Manufacturer information
MARQUARDT	MARQUARDT GmbH, Schloßstraße 16, 78604 Rietheim-Weilheim, Germany
Meta System	Meta System S.P.A., Via T. Galimberti 5, 42124 Reggio Emilia, Italy
Molex	Molex CVS Dabendorf GmbH, Märkische Straße 72, 15806 Zossen, Germany
Molex Technologies	Molex Technologies GmbH, Mizarstraße 3, 12529 Schönefeld, Germany
Panasonic	Panasonic Automotive Systems Europe GmbH, Robert-Bosch-Straße 27, 63225 Langen, Germany
Schrader	Schrader Electronics Ltd., 11 Technology Park, Belfast Road, Antrim BT41 1QS, Northern Ireland, United Kingdom
Sennheiser	Sennheiser electronic GmbH & Co. KG, Am Labor 1, 30900 Wedemark, Germany
Valeo	Valeo Telematik und Akustik GmbH, Max-Planck-Straße 28-32, 61381 Friedrichsdorf Germany
Veoneer	Veoneer Sweden AB, Wallentinsvägen 22, 44737 Vårgårda, Sweden
Vitesco	Vitesco Technologies GmbH, Siemensstrasse 12, 93055 Regensburg Germany
WITTE-Velbert	WITTE-Velbert GmbH & Co. KG, Hoeferstr. 3-15, 42551 Velbert, Germany

ALGERIA

Agréé par l'ANF

Référence du Certificat de conformité

Homologué par l'ARPCE

Référence du Certificat de conformité

REGULATORY RADIO IDENTIFIERS

Manufacturer	Model designation	Radio equipment approval number
Continental Antenna	RKE223GNS (locking system)	71/H/ANF/2021
Continental Automotive	CMKG1 (locking system)	122/H/ANF/2021
Continental Automotive	CMKG2 (locking system)	136/H/ANF/2023
Continental Automotive	MARS Keyless (locking system)	122/H/ANF/2021
HELLA	DM4 (locking system)	123/H/ANF/2021
Hirschmann	920287A (locking system)	106/H/ANF/2020
Hirschmann	920287B (locking system)	107/H/ANF/2020





Manufacturer	Model designation	Radio equipment approval number
Hirschmann	920702A (locking system)	133/H/ANF/2022
Huf Baolong	TSSRE4A (tyre pressure sensor)	198/H/ANF/2021
HUF	HUF13145 (locking system)	105/H/ANF/2022
MARQUARDT	DC12A (locking system)	188/H/ANF/2021
MARQUARDT	DC12B (locking system)	189/H/ANF/2021
MARQUARDT	DC12K (locking system)	190/H/ANF/2021
MARQUARDT	MS5 (locking system)	195/H/ANF/2021
MARQUARDT	MK1 (locking system)	193/H/ANF/2021
MARQUARDT	MK2 (locking system)	194/H/ANF/2021
MARQUARDT	3350.38 (locking system)	186/H/ANF/2021
Schrader	AG5SP4 (tyre pressure sensor)	3681/1-73.OA 1639/DT/DG/ARPT/15
Schrader	AG3PF4 (tyre pressure sensor)	652/1/DT/DG/ARPCE/2020
Schrader	BG3FP4 (tyre pressure sensor)	56/H/ANF/2021
Schrader	GG4T (tyre pressure sensor)	3994/1.69-DA/2098/DT/DG/ARPT/17
Schrader	DG6W2D4 (tyre pressure sensor)	2695/1-NO.431396/DT/DG/ARPT/17
WITTE-Velbert	SDHTAG3NFC (locking system)	32/H/ANF/2021

ARGENTINA

REGULATORY RADIO IDENTIFIERS

R	Manufacturer	Model designation	Radio equipment approval number
ADC		ARS4-A (radar sensor)	C-18005
ADC		ARS6-A (radar sensor)	H-28818
ADC		ARS441DP10 (radar sensor)	C-2377
Continental Antenna		RKE213E1 (aerial amplifier)	H-26206
Continental Antenna		RKE223E1 (aerial amplifier)	H-24637
Continental Automotive		CMKG1 (locking system)	H-24376
Continental Automotive		CMKG2 (locking system)	H-28998
Continental Automotive		MARS Keyless (locking system)	H-17929
Continental Automotive		D-WMI2020A (control unit)	H-23974
Continental Automotive Technologies		NTG7Q MID LF2 (head unit)	C-29127
Continental Automotive Technologies		NTG7Q HIGH LF2 (head unit)	C-29126
Continental Automotive Technologies		NTG7Q PREMIUM LF2 (head unit)	C-29128
Continental Automotive Technologies		NTG7Q PREMIUMPLUS LF2 (head unit)	C-29930
HELLA		DM4 (locking system)	H-17845


R!

Manufacturer	Model designation	Radio equipment approval number
Hirschmann	920287A (locking system)	H-15694
Hirschmann	920287B (locking system)	H-15695
Hirschmann	920702A (locking system)	H-28310
Huf Baolong	TSSRE4A (tyre pressure sensor)	H-27592
HUF	HUF13145 (locking system)	H-28067
HUF	HUF14632 (locking system)	H-15541
HUF	HUF4761 (locking system)	H-11545
MARQUARDT	DC12A (locking system)	H-17689
MARQUARDT	DC12B (locking system)	H-21034
MARQUARDT	DC12K (locking system)	H-21035
MARQUARDT	MS2 (locking system)	H-17598
MARQUARDT	MS4 (locking system)	H-23101
MARQUARDT	MS5 (locking system)	H-24933
MARQUARDT	MS7 (locking system)	H-29810
MARQUARDT	MK1 (locking system)	H-17213
MARQUARDT	MK2 (locking system)	H-17212
MARQUARDT	MK3 (locking system)	H-30378

R!

Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	3350.38 (locking system)	H-23166
MARQUARDT	MU3 (locking system)	H-30159
Schrader	AG5SP4 (tyre pressure sensor)	H-4788
Schrader	AG3PF4 (tyre pressure sensor)	H-23292
Schrader	BG3FP4 (tyre pressure sensor)	H-25586
Schrader	GG4T (tyre pressure sensor)	H-20495
Schrader	DG6W2D4 (tyre pressure sensor)	H-20959
Vitesco	HFA30 (Handsfree-Access)	H-30148
WITTE-Velbert	SDHTAG3NFC (locking system)	H-24664

AUSTRALIA

REGULATORY RADIO IDENTIFIERS



Manufacturer	Model designation
ADC	ARS4-A (radar sensor)
ADC	ARS6-A (radar sensor)
ADC	ARS4-C (radar sensor)





Manufacturer	Model designation
ADC	ARS441DP10 (radar sensor)
Bosch	MRR1Rear (radar sensor)
Bosch	MRRe14FCR (radar sensor)
Bosch	F5CP12 (radar sensor)
Continental Antenna	RKE213E1 (aerial amplifier)
Continental Antenna	RKE223E1 (aerial amplifier)
Continental Automotive	CMKG1 (locking system)
Continental Automotive	CMKG2 (locking system)
Continental Automotive	MARS Keyless (locking system)
Continental Automotive Technologies	NTG7Q MID LF2 (head unit)
Continental Automotive Technologies	NTG7Q HIGH LF2 (head unit)
Continental Automotive Technologies	NTG7Q PREMIUM LF2 (head unit)
Hirschmann	920287A (locking system)
Hirschmann	920287B (locking system)
Hirschmann	920702A (locking system)
Huf Baolong	TSSRE4A (tyre pressure sensor)
HUF	HUF13145 (locking system)
MARQUARDT	MK1 (locking system)

Manufacturer	Model designation
MARQUARDT	MK2 (locking system)
MARQUARDT	MK3 (locking system)
MARQUARDT	3350.38 (locking system)
MARQUARDT	MU3 (locking system)
Schrader	AG5SP4 (tyre pressure sensor)
Schrader	AG3PF4 (tyre pressure sensor)
Schrader	BG3FP4 (tyre pressure sensor)
Schrader	GG4T (tyre pressure sensor)
Schrader	DG6W2D4 (tyre pressure sensor)
Veoneer	77V12BSM (radar sensor)
Veoneer	77V12CRN (radar sensor)
Veoneer	77V125CRN (radar sensor)
Veoneer	MMRV1 (radar sensor)

BAHAMAS

REGULATORY RADIO IDENTIFIERS

Manufacturer	Model designation	Radio equipment approval number
ADC	ARS4-A (radar sensor)	URCA_TA_2014_082
ADC	ARS6-A (radar sensor)	URCA_TA_2023_211



Manufacturer	Model designation	Radio equipment approval number
ADC	ARS4-C (radar sensor)	URCA_TA_2019_167
Bosch	MRR1Rear (radar sensor)	URCA_TA/2017_184
Bosch	MRRe14FCR (radar sensor)	URCA_TA/2017_157
Bosch	FR5CPCCF (radar sensor)	URCA_TA_2019_195
Bosch	F5CP12 (radar sensor)	URCA_TA_2022_077
Continental Automotive	CMKG1 (locking system)	URCA_TA/2020_068
Continental Automotive	CMKG2 (locking system)	URCA_TA/2023_028
Continental Automotive	MARS Keyless (locking system)	URCA_TA/2017_119
Continental Antenna	RKE213E1 (aerial amplifier)	UCRA_TA/2016_009
Continental Antenna	RKE223E1GNS (aerial amplifier)	UCRA_TA/2020_032
HELLA	DM4 (locking system)	URCA_TA/2017_078
HELLA	RS6 (locking system)	URCA_TA_2023_174
Hirschmann	920287A (locking system)	URCA_TA/2019_053
Hirschmann	920287B (locking system)	URCA_TA/2019_052
Hirschmann	920702A (locking system)	URCA_TA/2022_043
HUF	HUF13145 (locking system)	URCA_TA_2022_057
HUF	HUF14632 (locking system)	URCA_TA/2015_087
HUF	HUF4761 (locking system)	URCA_TA/2015_087

Manufacturer	Model designation	Radio equipment approval number
Huf Baolong	TSSRE4A (tyre pressure sensor)	URCA_TA/2017_094
MARQUARDT	DC12A (locking system)	URCA_TA_2017_042
MARQUARDT	DC12B (locking system)	URCA_TA_2019_128
MARQUARDT	DC12K (locking system)	URCA_TA_2019_129
MARQUARDT	MS2 (locking system)	URCA_TA/2017_021
MARQUARDT	MS4 (locking system)	URCA_TA_2019_141
MARQUARDT	MS5 (locking system)	URCA_TA_2020_141, URCA_TA_2022_228
MARQUARDT	MK1 (locking system)	URCA_TA/2015_031
MARQUARDT	MK2 (locking system)	URCA_TA/2015_033
MARQUARDT	MK3 (locking system)	URCA_TA_2024_025
MARQUARDT	3350.38 (locking system)	URCA_TA/2019_250
MARQUARDT	MU3 (locking system)	URCA_TA/2023_245
MARQUARDT	MUB1 (locking system)	URCA_TA/2024_060
Schrader	AG5SP4 (tyre pressure sensor)	URCA_TA_TA/2015_009
Schrader	AG3PF4 (tyre pressure sensor)	URCA_TA_2019_101
Schrader	BG3FP4 (tyre pressure sensor)	URCA_TA_2021_001
Schrader	GG4T (tyre pressure sensor)	URCA_TA_2020_046





Manufacturer	Model designation	Radio equipment approval number
Schrader	DG6W2D4 (tyre pressure sensor)	URCA_TA_2019_247
Valeo	ARTEMIS-SUB-01 (tyre pressure sensor)	URCA_TA_2024_056
Veoneer	77V12BSM (radar sensor)	URCA_TA_2019_169
Veoneer	77V12CRN (radar sensor)	URCA_TA_2019_168
Veoneer	77V125CRN (radar sensor)	URCA_TA_2021_027
Veoneer	MMRV1 (radar sensor)	URCA_TA/2015_063
Vitesco Technologies	HFA30 (Handsfree-Access)	URCA_TA_2023_247
WITTE-Velbert	SDHTAG3NFC (locking system)	URCA_TA_2020_056

BELARUS

REGULATORY RADIO IDENTIFIERS

TP BY	Manufacturer	Model designation
	ADC	ARS4-A (radar sensor)
	ADC	ARS4-C (radar sensor)
	Bosch	MRR1Rear (radar sensor)
	Bosch	MRRe14FCR (radar sensor)
	Bosch	FR5CPCCF (radar sensor)

TP BY	Manufacturer	Model designation
	Bosch	F5CP12 (radar sensor)
	Continental Antenna	RKE213E1 (aerial amplifier)
	Continental Antenna	RKE223E1GNS (aerial amplifier)
	Continental Automotive	CMKG1 (locking system)
	Continental Automotive	CMKG2 (locking system)
	Continental Automotive	MARS Keyless (locking system)
	Harman Becker	HERMES 3.0 (communication module)
	HELLA	DM4 (locking system)
	HUF	HUF13145 (locking system)
	MARQUARDT	DC12A (locking system)
	MARQUARDT	DC12B (locking system)
	MARQUARDT	DC12K (locking system)
	MARQUARDT	MS2 (locking system)
	MARQUARDT	MS4 (locking system)
	MARQUARDT	MS5 (locking system)
	MARQUARDT	MK1 (locking system)
	MARQUARDT	MK2 (locking system)
	MARQUARDT	MK3 (locking system)





Manufacturer	Model designation
MARQUARDT	3350.38 (locking system)
MARQUARDT	MU3 (locking system)
MARQUARDT	MUB1 (locking system)
Veoneer	77V12BSM (radar sensor)
Veoneer	77V12CRN (radar sensor)
Veoneer	77V125CRN (radar sensor)
Veoneer	MMRV1 (radar sensor)
WITTE-Velbert	SDHTAG3NFC (locking system)

BOTSWANA

REGULATORY RADIO IDENTIFIERS

Manufacturer	Model designation	Radio equipment approval number
ADC	ARS4-A (radar sensor)	BOCRA/TA/2018/2026
ADC	ARS6-A (radar sensor)	BOCRA/TA/2022/7599
ADC	ARS4-C (radar sensor)	BOCRA/TA/2020/5186
Bosch	MRRe14FCR (radar sensor)	BOCRA/TA/2019/4674
Bosch	FR5CPCCF (radar sensor)	BOCRA/TA/2019/4975
Bosch	MRR1Rear (radar sensor)	BOCRA/TA/2017/3788
Bosch	F5CP12 (radar sensor)	BOCRA/TA/2022/7110

Manufacturer	Model designation	Radio equipment approval number
Continental Antenna	RKE213E1 (aerial amplifier)	BOCRA/TA/2019/4387
Continental Antenna	RKE223E1GNS (aerial amplifier)	BOCRA/TA/2019/5050
Continental Automotive	CMKG1 (locking system)	BOCRA/TA/2019/5075
Continental Automotive	CMKG2 (locking system)	BOCRA/TA/2023/8144
Continental Automotive	MARS Keyless (locking system)	BOCRA/TA/2019/4661
HELLA	DM4 (locking system)	BOCRA/TA/2019/4662
HELLA	RS6 (locking system)	BOCRA/TA/2023/8610
Hirschmann	920287A (locking system)	BOCRA/TA/2019/4724
Hirschmann	920287B (locking system)	BOCRA/TA/2019/4723
Hirschmann	920702A (locking system)	BOCRA/TA/2022/7099
HUF	HUF13145 (locking system)	HUF13145
HUF	HUF4761 (locking system)	BOCRA/TA/2019/4664
MARQUARDT	DC12A (locking system)	BOCRA/TA/2019/4389
MARQUARDT	DC12B (locking system)	BOCRA/TA/2019/4388
MARQUARDT	DC12K (locking system)	BOCRA/TA/2019/4390
MARQUARDT	MS2 (locking system)	BOCRA/TA/2019/5135
MARQUARDT	MS4 (locking system)	BOCRA/TA/2019/4758
MARQUARDT	MS5 (locking system)	BOCRA/TA/2020/5473



Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	MK1 (locking system)	BOCRA/TA/2019/4359
MARQUARDT	MK2 (locking system)	BOCRA/TA/2019/4360
MARQUARDT	3350.38 (locking system)	BOCRA/TA/2019/4687
MARQUARDT	MU3 (locking system)	BOCRA/TA/2023/8771
Veoneer	77V12BSM (radar sensor)	BOCRA/TA/2019/4975
Veoneer	77V12CRN (radar sensor)	BOCRA/TA/2019/4980
Veoneer	77V125CRN (radar sensor)	BOCRA/TA/2021/6191
WITTE-Velbert	SDHTAG3NFC (locking system)	BOCRA/TA/2020/5342

BRAZIL

Note on two-way radio systems in the vehicle:

These systems are not protected against harmful interference and must not cause interference in properly approved systems.

REGULATORY RADIO IDENTIFIERS

Manufacturer	Model designation	Radio equipment approval number
ADC	ARS4-A (radar sensor)	02217-14-06068
ADC	ARS441DP10 (radar sensor)	06783-19-02496
Bury	A167 820 19 03 /A247 820 84 02 (mobile phone charger)	20280-23-04457

Manufacturer	Model designation	Radio equipment approval number
Bury	A247 820 86 02 (mobile phone charger)	20288-23-04457
Continental Antenna	RKE223E1 (aerial amplifier)	03691-15-05298
Continental Antenna	RKE213E1 (aerial amplifier)	07359-21-12817
Continental Antenna	RKE213E1 (aerial amplifier)	3691-15-5298
Continental Automotive	CMKG1 (locking system)	00325-20-02149
Continental Automotive	CMKG2 (locking system)	01334-23-02149
Continental Automotive	MARS Keyless (locking system)	03189-17-02856
Continental Automotive Technologies	NTG7Q MID LF2 (head unit)	12520-23-06353
Continental Automotive Technologies	NTG7Q HIGH LF2 (head unit)	12525-23-06353
Continental Automotive Technologies	NTG7Q PREMIUM LF2 (head unit)	12522-23-06353
Continental Automotive Technologies	NTG7Q PREMIUMPLUS LF2 (head unit)	17830-23-06353
HELLA	DM4 (locking system)	04689-17-05364
Hirschmann	920287A (locking system)	1855-12-5762
Hirschmann	920287B (locking system)	1787-12-8058
Huf Baolong	TSSRE4A (tyre pressure sensor)	08539-19-03616



Manufacturer	Model designation	Radio equipment approval number
HUF	HUF13145 (locking system)	HUF13145
HUF	HUF14632 (locking system)	03627-15-06643
HUF	HUF4761 (locking system)	00053-13-06643
MARQUARDT	DC12A (locking system)	01333-17-02930
MARQUARDT	DC12B (locking system)	01395-11-02930
MARQUARDT	DC12K (locking system)	01392-11-02930
MARQUARDT	MS2 (locking system)	00616-17-02930
MARQUARDT	MS4 (locking system)	06218-19-02930
MARQUARDT	MS5 (locking system)	11149-20-02930
MARQUARDT	3350.38 (locking system)	03149-19-02930
MARQUARDT	MK1 (locking system)	03756-15-02930
MARQUARDT	MK2 (locking system)	03757-15-02930
Molex Technologies	HUB-8 (mobile phone charger)	19286-23-12116
Molex Technologies	HUB-9d / HUB-9e (mobile phone charger)	19287-23-12116
Vitesco Technologies	HFA30 (Handsfree-Access)	18924-23-15869
WITTE-Velbert	SDHTAG3NFC (locking system)	03034-20-07018

Further specific information

Rear Seat Entertainment System:

This system is not protected against harmful interference and must not cause interference in properly approved systems.

This product is approved by ANATEL in accordance with the procedures set out in Resolution 242/2000 and complies with the relevant technical requirements. Further information can be found on the <https://www.anatel.gov.br>

Charging unit for the wireless charging of mobile devices (WMI):

This device operates in secondary mode, that is to say it has no protection against harmful interference, not even from the same type of stations, and must not cause interference with systems operating on a primary basis.

This product is permitted in accordance with the procedure defined in Directive 242/2000 by the Brazilian telecommunications agency ANATEL and meets the applicable technical requirements.

More information is available on the ANATEL website. www.anatel.gov.br

BRUNEI DARUSSALAM

REGULATORY RADIO IDENTIFIERS

Manufacturer	Model designation	Radio equipment approval number
ADC	ARS4-C (radar sensor)	DTA-004005
ADC	ARS6-A (radar sensor)	DTA-020359
Bosch	FR5CPCCF (radar sensor)	DTA-004222
Bosch	LRR3 (radar sensor)	DTA-011039



 Manufacturer	Model designation	Radio equipment approval number
Bosch	MRR1Rear (radar sensor)	DTA-006601
Bosch	MRRe14FCR (radar sensor)	DTA-006678
Bosch	F5CP12 (radar sensor)	DTA-018042
Continental Antenna	RKE213E1 (aerial amplifier)	DTA-006665
Continental Antenna	RKE223E1GNS (aerial amplifier)	DTA-004998
Continental Automotive	CMKG1 (locking system)	DTA-005043
Continental Automotive	CMKG2 (locking system)	DTA-023993
Continental Automotive	MARS Keyless (locking system)	DTA-017264
HELLA	DM4 (locking system)	DTA-020187
HELLA	RS6 (locking system)	AA-000081
Hirschmann	920287A (locking system)	DTA-001661
Hirschmann	920287B (locking system)	DTA-000794
Hirschmann	920702A (locking system)	DTA-018051
Huf Baolong	TSSRE4A (tyre pressure sensor)	DTA-011045
Huf Baolong	TSSSG4G6b (tyre pressure monitor control unit)	DTA-003757
HUF	HUF13145 (locking system)	DTA-017926

Manufacturer	Model designation	Radio equipment approval number
HUF	HUF14632 (locking system)	DTA-006138
HUF	HUF4761 (locking system)	DTA-000615
MARQUARDT	DC12A (locking system)	DTA-019403
MARQUARDT	DC12B (locking system)	DTA-000068
MARQUARDT	DC12K (locking system)	DTA-000066
MARQUARDT	MS2 (locking system)	LPD-38890
MARQUARDT	MS4 (locking system)	DTA-003525
MARQUARDT	MS5 (locking system)	DTA-005850
MARQUARDT	MS7 (locking system)	DTA-032943
MARQUARDT	MK1 (locking system)	DTA-011312
MARQUARDT	MK2 (locking system)	DTA-011313
MARQUARDT	MK3 (locking system)	DTA-031059
MARQUARDT	3350.38 (locking system)	DTA-032673
MARQUARDT	MU3 (locking system)	DTA-029861
MARQUARDT	MUB1 (locking system)	DTA-032674
Schrader	AG5SP4 (tyre pressure sensor)	DTA-005291
Schrader	AG3PF4 (tyre pressure sensor)	DTA-003581



Manufacturer	Model designation	Radio equipment approval number
Schrader	BG3FP4 (tyre pressure sensor)	DRQ-D-JATI-07-2000-109000
Schrader	DG6W2D4 (tyre pressure sensor)	DTA-025258
Schrader	GG4T (tyre pressure sensor)	DTA-025258
Schrader	BG3FP4 (tyre pressure sensor)	DTA-025258
Schrader	MFR (tyre pressure monitor control unit)	DTA-003893
Schrader	MFR3 (tyre pressure monitor control unit)	DRQ-D-MAJU-02-2011-111083
Valeo	ARTEMIS-SUB-01 (locking system)	DTA-031587
Veoneer	77V12BSM (radar sensor)	DTA-004000
Veoneer	77V12CRN (radar sensor)	DTA-003999
Veoneer	77V125CRN (radar sensor)	DTA-010423
Veoneer	77GHz MMRV1 (radar sensor)	DTA-006216
Vitesco Technologies	HFA30 (Handsfree-Access)	DTA-030296
WITTE-Velbert	SDHTAG3NFC (locking system)	DTA-005628

EURASIAN ECONOMIC UNION REGULATORY RADIO IDENTIFIERS

Manufacturer	Model designation
ADC	ARS4-A (radar sensor)
ADC	ARS4-C (radar sensor)
ADC	ARS441DP10 (radar sensor)
Bosch	FR5CPCCF (radar sensor)
Bosch	LRR3 (radar sensor)
Bosch	MRR1Rear (radar sensor)
Bosch	MRRe14FCR (radar sensor)
Bosch	F5CP12 (radar sensor)
Continental Antenna	RKE213E1 (aerial amplifier)
Continental Antenna	RKE223E1GNS (aerial amplifier)
Continental Automotive	MARS Keyless (locking system)
Continental Automotive	CMKG1 (locking system)
Continental Automotive	CMKG2 (locking system)
HELLA	DM4 (locking system)
Hirschmann	920287A (locking system)
Hirschmann	920287B (locking system)
Hirschmann	920702A (locking system)



EAC	EAC
Manufacturer	Model designation
Huf Baolong	TSSRE4A (tyre pressure sensor)
HUF	HUF13145 (locking system)
HUF	HUF4761 (locking system)
HUF	HUF14632 (locking system)
MARQUARDT	DC12A (locking system)
MARQUARDT	DC12B (locking system)
MARQUARDT	DC12K (locking system)
MARQUARDT	MS2 (locking system)
MARQUARDT	MS4 (locking system)
MARQUARDT	MS5 (locking system)
MARQUARDT	MS7 (locking system)
MARQUARDT	MK1 (locking system)
MARQUARDT	MK2 (locking system)
MARQUARDT	MK3 (locking system)
MARQUARDT	3350.38 (locking system)
MARQUARDT	MU3 (locking system)
MARQUARDT	MUB1 (locking system)
Schrader	AG5SP4 (tyre pressure sensor)

EAC	EAC
Manufacturer	Model designation
Schrader	AG3PF4 (tyre pressure sensor)
Schrader	BG3FP4 (tyre pressure sensor)
Schrader	GG4T (tyre pressure sensor)
Schrader	DG6W2D4 (tyre pressure sensor)
Veoneer	77GHz MMRV1 (radar sensor)
Veoneer	77V12BSM (radar sensor)
Veoneer	77V12CRN (radar sensor)
Veoneer	77V125CRN (radar sensor)
WITTE-Velbert	SDHTAG3NFC (locking system)

GHANA

REGULATORY RADIO IDENTIFIERS

Manufacturer	Model designation	Radio equipment approval number
NCA APPROVED		
ADC	ARS4-C (radar sensor)	ZRO-1H-7E3-152
ADC	ARS6-A (radar sensor)	7E6-M1-16C-SRD
ADC	ARS441DP10 (radar sensor)	ZRO-1H-7E3-152
Bosch	FR5CPCCF (radar sensor)	ZRO-M8-7E3-230
Bosch	F5CP12 (radar sensor)	7E6-M1-X9B-SRD



Manufacturer	Model designation	Radio equipment approval number
Continental Antenna	RKE213E1 (aerial amplifier)	ZRO-M8-7E3-X53
Continental Antenna	RKE223E1GNS (aerial amplifier)	ZRO-M8-7E3-225
Continental Automotive	CMKG1 (locking system)	ZRO-M8-7E3-277
Continental Automotive	CMKG2 (locking system)	7M-7E7-X25-DSR
Continental Automotive	MARS Keyless (locking system)	BR3-1M-GE2-16A
Continental Automotive Technologies	NTG7Q MID LF2 (head unit)	7M-7E7-X09-DSR
Continental Automotive Technologies	NTG7Q HIGH LF2 (head unit)	7M-7E7-X05-DSR
Continental Automotive Technologies	NTG7Q PREMIUM LF2 (head unit)	7M-7E7-X03-DSR
HELLA	DM4 (locking system)	BR3-1M-GE2-157
Hirschmann	920287A (locking system)	ZRO-M8-7E3-X45
Hirschmann	920287B (locking system)	ZRO-M8-7E3-X47
HUF	HUF13145 (locking system)	7E6-M1-X14-SRD
HUF	HUF4761 (locking system)	EX6-6M-GE2-16C
LEOPOLD KOSTAL	KK1 (locking system)	ZRO-M8-7E3-X49
MARQUARDT	DC12A (locking system)	ZRO-M8-7E3-X50
MARQUARDT	DC12B (locking system)	ZRO-M8-7E3-X51
MARQUARDT	DC12K (locking system)	ZRO-M8-7E3-X52

Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	MS2 (locking system)	BR3-1M-GE-129
MARQUARDT	MS4 (locking system)	ZRO-1H-7E3-26E
MARQUARDT	MS5 (locking system)	SRO-1M-7E4-11B
MARQUARDT	MK1 (locking system)	ZRO-M8-7E3-X4A
MARQUARDT	MK2 (locking system)	ZRO-M8-7E3-X4C
MARQUARDT	MK3 (locking system)	HS-7E7-262-DSR
MARQUARDT	3350.38 (locking system)	ZRO-M8-7E3-X3C
MARQUARDT	MU3 (locking system)	HS-7E7-XE5-DSR
Valeo	ARTEMIS-SUB-01 (locking system)	7M-7E7-272-DSR
Veoneer	77V12BSM (radar sensor)	ZRO-1H-7E3-142
Veoneer	77V12CRN (radar sensor)	ZRO-M8-7E3-230
Veoneer	77V125CRN (radar sensor)	7E5-7M-X72-RDR
Vitesco Technologies	HFA30 (Handsfree-Access)	7M-7E7-134-DSR
WITTE-Velbert	SDHTAG3NFC (locking system)	SRO-1M-7E4-X59





INDONESIA REGULATORY RADIO IDENTIFIERS

Manufacturer	Model designation	Radio equipment approval number
ADC	ARS3-A (radar sensor)	97128/SDPPI/2024 7163
ADC	ARS3-B (radar sensor)	97129/SDPPI/2024 7163
ADC	ARS4-B (radar sensor)	97127/ SDPPI/ 2024 7163
ADC	ARS4-C (radar sensor)	68676/SDPPI/2020 7163
ADC	ARS4-A (radar sensor)	90362/SDPPI/2023 7163
ADC	ARS6-A (radar sensor)	84770/SDPPI/2022 7163
ADC	ARS441DP10 (radar sensor)	89748/SDPPI/2023 7163

Manufacturer	Model designation	Radio equipment approval number
Bosch	LRR3 (radar sensor)	74264/SDPPI/2021 7163
Bosch	MRR1Rear (radar sensor)	74267/SDPPI/2021 7163
Bosch	MRRevo14F (radar sensor)	74265/SDPPI/2021 7163
Bosch	MRRe14FCR (radar sensor)	74266/SDPPI/2021 7163
Bosch	FR5CPCCF (radar sensor)	67882/SDPPI/2020 7163 Dilarang melakukan perubahan spesifikasi yang dapat menimbulkan gangguan fisik dan/atau elektromagnetik terhadap lingkungan sekitarnya





Manufacturer	Model designation	Radio equipment approval number	Manufacturer	Model designation	Radio equipment approval number
Bosch	F5CP12 (radar sensor)	86858/SDPPI/2022 84754  Dilarang melakukan perubahan spesifikasi yang dapat menimbulkan gangguan fisik dan/atau elektromagnetik terhadap lingkungan sekitarnya 	Continental Automotive	CMKG1 (locking system)	87836/SDPPI/2023 7163  Dilarang melakukan perubahan spesifikasi yang dapat menimbulkan gangguan fisik dan/atau elektromagnetik terhadap lingkungan sekitarnya 
Continental Antenna	RKE213E1 (aerial amplifier)	76621/SDPPI/2021 7163  Dilarang melakukan perubahan spesifikasi yang dapat menimbulkan gangguan fisik dan/atau elektromagnetik terhadap lingkungan sekitarnya 	Continental Automotive	CMKG2 (locking system)	88721/SDPPI/2023 7163  Dilarang melakukan perubahan spesifikasi yang dapat menimbulkan gangguan fisik dan/atau elektromagnetik terhadap lingkungan sekitarnya 
Continental Antenna	RKE223E1GNS (aerial amplifier)	86957 / SDPPI/ 2022 10325  Dilarang melakukan perubahan spesifikasi yang dapat menimbulkan gangguan fisik dan/atau elektromagnetik terhadap lingkungan sekitarnya 	Continental Automotive	MARS Keyless (locking system)	69379/SDPPI/2020 7163  Dilarang melakukan perubahan spesifikasi yang dapat menimbulkan gangguan fisik dan/atau elektromagnetik terhadap lingkungan sekitarnya 



Manufacturer	Model designation	Radio equipment approval number	Manufacturer	Model designation	Radio equipment approval number
Continental Automotive	D-WMI2020A (control unit)	66678/SDPPI/2020 7163  Dilarang melakukan perubahan spesifikasi yang dapat menimbulkan gangguan fisik dan/atau elektromagnetik terhadap lingkungan sekitarnya 	Continental Automotive	NTG7 PREMIUM (Headunit) Production: Hungary	92188/SDPPI/2023 7163  Dilarang melakukan perubahan spesifikasi yang dapat menimbulkan gangguan fisik dan/atau elektromagnetik terhadap lingkungan sekitarnya 
Continental Automotive	NTG7 MID (Headunit) Production: Hungary	92192/SDPPI/2023 7163  Dilarang melakukan perubahan spesifikasi yang dapat menimbulkan gangguan fisik dan/atau elektromagnetik terhadap lingkungan sekitarnya 	Continental Automotive	NTG7 PREMIUM PLUS (Headunit) Production: Hungary	92195/SDPPI/2023 7163  Dilarang melakukan perubahan spesifikasi yang dapat menimbulkan gangguan fisik dan/atau elektromagnetik terhadap lingkungan sekitarnya 
Continental Automotive	NTG7 HIGH (Headunit) Production: Hungary	92190/SDPPI/2023 7163  Dilarang melakukan perubahan spesifikasi yang dapat menimbulkan gangguan fisik dan/atau elektromagnetik terhadap lingkungan sekitarnya 	Continental Automotive Technologies	NTG7Q MID LF2 (head unit)	88477/SDPPI/2023 7163  Dilarang melakukan perubahan spesifikasi yang dapat menimbulkan gangguan fisik dan/atau elektromagnetik terhadap lingkungan sekitarnya 





Manufacturer	Model designation	Radio equipment approval number	Manufacturer	Model designation	Radio equipment approval number
Continental Automotive Technologies	NTG7Q HIGH LF2 (head unit)	88579/SDPPI/2023 7163	Harman Becker	NTG6N HIGH (Headunit)	64018/SDPPI/2019 7163
		 Dilarang melakukan perubahan spesifikasi yang dapat menimbulkan gangguan fisik dan/atau elektromagnetik terhadap lingkungan sekitarnya 			 Dilarang melakukan perubahan spesifikasi yang dapat menimbulkan gangguan fisik dan/atau elektromagnetik terhadap lingkungan sekitarnya 
Continental Automotive Technologies	NTG7Q PREMIUM LF2 (head unit)	88478/SDPPI/2023 7163	Harman Becker	NTG6N ENTRY/MID (Headunit)	63775/SDPPI/2019 7163
		 Dilarang melakukan perubahan spesifikasi yang dapat menimbulkan gangguan fisik dan/atau elektromagnetik terhadap lingkungan sekitarnya 			 Dilarang melakukan perubahan spesifikasi yang dapat menimbulkan gangguan fisik dan/atau elektromagnetik terhadap lingkungan sekitarnya 
Harman Becker	NTG6N ENTRY/MID (Headunit) Production: Germany	64019/SDPPI/2019 7163	Harman Becker	NTG6N HIGH (Headunit)	63774/SDPPI/2019 7163
		 Dilarang melakukan perubahan spesifikasi yang dapat menimbulkan gangguan fisik dan/atau elektromagnetik terhadap lingkungan sekitarnya 			 Dilarang melakukan perubahan spesifikasi yang dapat menimbulkan gangguan fisik dan/atau elektromagnetik terhadap lingkungan sekitarnya 





Manufacturer	Model designation	Radio equipment approval number	Manufacturer	Model designation	Radio equipment approval number
Harman Becker	NTG7 MID (Headunit)	65544/SDPPI/2020 7163  Dilarang melakukan perubahan spesifikasi yang dapat menimbulkan gangguan fisik dan/atau elektromagnetik terhadap lingkungan sekitarnya 	Harman Becker	NTG7 PREMIUM PLUS (Headunit)	70512/SDPPI/2020 7163  Dilarang melakukan perubahan spesifikasi yang dapat menimbulkan gangguan fisik dan/atau elektromagnetik terhadap lingkungan sekitarnya 
Harman Becker	NTG7 HIGH (Headunit)	70513/SDPPI/2020 7163  Dilarang melakukan perubahan spesifikasi yang dapat menimbulkan gangguan fisik dan/atau elektromagnetik terhadap lingkungan sekitarnya 	Harman Becker	NTG7 RSU (control unit)	66387/SDPPI/2020 7163  Dilarang melakukan perubahan spesifikasi yang dapat menimbulkan gangguan fisik dan/atau elektromagnetik terhadap lingkungan sekitarnya 
Harman Becker	NTG7 PREMIUM (Headunit)	65543/SDPPI/2020 7163  Dilarang melakukan perubahan spesifikasi yang dapat menimbulkan gangguan fisik dan/atau elektromagnetik terhadap lingkungan sekitarnya 	HELLA	DM4 (locking system)	69378/SDPPI/2020 7163  Dilarang melakukan perubahan spesifikasi yang dapat menimbulkan gangguan fisik dan/atau elektromagnetik terhadap lingkungan sekitarnya 
			Huf Baolong	TSSRE4A (tyre pressure sensor)	72438/SDPPI/2021 7163 



Manufacturer	Model designation	Radio equipment approval number
Hirschmann	920287A (locking system)	71369 /SDPPI/2020 7163  Dilarang melakukan perubahan spesifikasi yang dapat menimbulkan gangguan fisik dan/atau elektromagnetik terhadap lingkungan sekitarnya 
Hirschmann	920287B (locking system)	72974 /SDPPI/2021 7163  Dilarang melakukan perubahan spesifikasi yang dapat menimbulkan gangguan fisik dan/atau elektromagnetik terhadap lingkungan sekitarnya 
Hirschmann	920702A (locking system)	82675/SDPPI/2022 7163  Dilarang melakukan perubahan spesifikasi yang dapat menimbulkan gangguan fisik dan/atau elektromagnetik terhadap lingkungan sekitarnya 

Manufacturer	Model designation	Radio equipment approval number
HUF	HUF14632 (locking system)	78368/SDPPI/2021 7163  Dilarang melakukan perubahan spesifikasi yang dapat menimbulkan gangguan fisik dan/atau elektromagnetik terhadap lingkungan sekitarnya 
HUF	HUF4761 (locking system)	26742/SDPPI/2015 3533  Dilarang melakukan perubahan spesifikasi yang dapat menimbulkan gangguan fisik dan/atau elektromagnetik terhadap lingkungan sekitarnya 
HUF	HUF13145 (NFC reader)	83988/SDPPI/2022  Dilarang melakukan perubahan spesifikasi yang dapat menimbulkan gangguan fisik dan/atau elektromagnetik terhadap lingkungan sekitarnya 
LEOPOLD KOSTAL	KK1 (locking system)	41121/SDPPI/2018 5125  



Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	DC12A (locking system)	67373/SDPPI/2020 7163  Dilarang melakukan perubahan spesifikasi yang dapat menimbulkan gangguan fisik dan/atau elektromagnetik terhadap lingkungan sekitarnya 
MARQUARDT	DC12B (locking system)	80676/SDPPI/2022 7163  Dilarang melakukan perubahan spesifikasi yang dapat menimbulkan gangguan fisik dan/atau elektromagnetik terhadap lingkungan sekitarnya 
MARQUARDT	DC12K (locking system)	80621/SDPPI/2022 7163  Dilarang melakukan perubahan spesifikasi yang dapat menimbulkan gangguan fisik dan/atau elektromagnetik terhadap lingkungan sekitarnya 

Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	MS2 (locking system)	67372/SDPPI/2020 7163  Dilarang melakukan perubahan spesifikasi yang dapat menimbulkan gangguan fisik dan/atau elektromagnetik terhadap lingkungan sekitarnya 
MARQUARDT	MS4 (locking system)	64126/SDPPI/2019 7163  Dilarang melakukan perubahan spesifikasi yang dapat menimbulkan gangguan fisik dan/atau elektromagnetik terhadap lingkungan sekitarnya 
MARQUARDT	MS5 (locking system)	90695/SDPPI/2023 7163  Dilarang melakukan perubahan spesifikasi yang dapat menimbulkan gangguan fisik dan/atau elektromagnetik terhadap lingkungan sekitarnya 



Manufacturer	Model designation	Radio equipment approval number	Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	MK1 (locking system)	75282/ SDPPI/ 2021 7163  Dilarang melakukan perubahan spesifikasi yang dapat menimbulkan gangguan fisik dan/atau elektromagnetik terhadap lingkungan sekitarnya 	Molex	WCH-302b (control unit)	71668/SDPPI/2020 7163  Dilarang melakukan perubahan spesifikasi yang dapat menimbulkan gangguan fisik dan/atau elektromagnetik terhadap lingkungan sekitarnya 
MARQUARDT	MK2 (locking system)	75285/ SDPPI/ 2021 7163  Dilarang melakukan perubahan spesifikasi yang dapat menimbulkan gangguan fisik dan/atau elektromagnetik terhadap lingkungan sekitarnya 	Molex	WCH-302d (control unit)	71220/SDPPI/2020 7163  Dilarang melakukan perubahan spesifikasi yang dapat menimbulkan gangguan fisik dan/atau elektromagnetik terhadap lingkungan sekitarnya 
MARQUARDT	3350.38 (locking system)	82980/SDPPI/2022 7163  Dilarang melakukan perubahan spesifikasi yang dapat menimbulkan gangguan fisik dan/atau elektromagnetik terhadap lingkungan sekitarnya 	Molex	WCH-302e (control unit)	71669/SDPPI/2020 7163  Dilarang melakukan perubahan spesifikasi yang dapat menimbulkan gangguan fisik dan/atau elektromagnetik terhadap lingkungan sekitarnya 





Manufacturer	Model designation	Radio equipment approval number
Panasonic	DAIRSE (control unit)	63550/SDPPI/2019 ⚠ Dilarang melakukan perubahan spesifikasi yang dapat menimbulkan gangguan fisik dan/atau elektromagnetik terhadap lingkungan sekitarnya
Schrader	GG4T (tyre pressure sensor)	72023/SDPPI/2020 9338
Schrader	AG5SP4 (tyre pressure sensor)	75465/SDPPI/2021 7163
Schrader	BG3FP4 (tyre pressure sensor)	72765/SDPP/2021 7163
Schrader	DG6W2D4 (tyre pressure sensor)	57058/SDPPI/2018 3612
Schrader	MC34MA4 (tyre pressure monitor control unit)	25626/SDPPI/2015 3612
Schrader	AG3PF4 (tyre pressure sensor)	62396/SDPPI/2020 7163

Manufacturer	Model designation	Radio equipment approval number
Schrader	GG4T (tyre pressure sensor)	72023/SDPPI/2020 7163
Veoneer	77GHz MMRV1 (radar sensor)	74749/SDPPI/2021 7163
Veoneer	77V12CRN (radar sensor)	66830/SDPPI/2020 7163
Veoneer	77V125CRN (radar sensor)	78366/SDPPI/2021 7163
Veoneer	77V12BSM (radar sensor)	66792/SDPPI/2020 7163
WITTE-Velbert	SDHTAG3NFC (locking system)	67233/SDPPI/2020 10325 ⚠ Dilarang melakukan perubahan spesifikasi yang dapat menimbulkan gangguan fisik dan/atau elektromagnetik terhadap lingkungan sekitarnya



**ISRAEL****REGULATORY RADIO IDENTIFIERS**

Manufacturer	Model designation	Radio equipment approval number
Approval number of the Ministry of Communications:		
ADC	ARS4-A (radar sensor)	55-09697
ADC	ARS6-A (radar sensor)	55-14225
ADC	ARS4-C (radar sensor)	55-07525
Bosch	FR5CPCCF (radar sensor)	55-08783
Bosch	LRR3 (radar sensor)	55-08334
Bosch	MRR1Rear (radar sensor)	55-08333
Bosch	MRRe14FCR (radar sensor)	55-08395
Bosch	F5CP12 (radar sensor)	55-12854
Bosch	MBCI2LS3PR1 (head unit)	51-91228
Bosch	MBCI2LS4PR1 (head unit)	51-91226
Continental Antenna	RKE213E1 (aerial amplifier)	55-13929
Continental Antenna	RKE223E1GNS (aerial amplifier)	51-97825
Continental Automotive	D-WMI2017B (control unit)	51-75654
Continental Automotive	D-WMI2017A (control unit)	51-75367
Continental Automotive	D-WMI2016A (control unit)	55-08177

Manufacturer	Model designation	Radio equipment approval number
Continental Automotive	D-WMI2020A (control unit)	55-08179
Continental Automotive	RKE213E1 (Antennenverstärker)	55-13929
Continental Automotive	RKE223E1GNS (Antennenverstärker)	51-97825
Continental Automotive	CMKG1 (Schließsystem)	51-87871
Continental Automotive	CMKG2 (Schließsystem)	51-92059
Continental Automotive	MARS Keyless (Schließsystem)	55-13749
Continental Automotive Technologies	NTG7Q MID LF2 (head unit)	51-90718
Continental Automotive Technologies	NTG7Q HIGH LF2 (head unit)	51-90717
Continental Automotive Technologies	NTG7Q PREMIUM LF2 (head unit)	51-90719
Harman Becker	NTG7 HIGH-IL (Headunit)	51-89476
Harman Becker	NTG7 PREMIUMPLUS-IL (Headunit)	51-89475
HELLA	DM4 (locking system)	55-14271
HELLA	RS6 (locking system)	51-98663





Manufacturer	Model designation	Radio equipment approval number
Hirschmann	920287A (locking system)	51-62759
Hirschmann	920287B (locking system)	51-49357
Hirschmann	920702A (locking system)	55-12320
Huf Baolong	TSSRE4A (tyre pressure sensor)	63-63571
Huf Baolong	TSSSG4G6b (tyre pressure monitor control unit)	63-66757
HUF	HUF13145 (locking system)	55-14153
LEOPOLD KOSTAL	KK1 (locking system)	51-87872
MARQUARDT	DC12A (locking system)	55-13847
MARQUARDT	DC12B (locking system)	55-12215
MARQUARDT	DC12K (locking system)	55-12214
MARQUARDT	MS2 (locking system)	51-85192
MARQUARDT	MS5 (locking system)	51-86840
MARQUARDT	3350.38 (locking system)	55-14331
MARQUARDT	MK1 (locking system)	51-94449
MARQUARDT	MK2 (locking system)	51-94450
MARQUARDT	MK3 (locking system)	56-03260
MARQUARDT	MU3 (locking system)	51-97974
Schrader	AG3PF4 (tyre pressure sensor)	51-78338

Manufacturer	Model designation	Radio equipment approval number
Schrader	AG5SP4 (tyre pressure sensor)	51-73152
Schrader	BG3FP4 (tyre pressure sensor)	51-77898
Schrader	DG6W2D4 (tyre pressure sensor)	51-64111
Schrader	GG4T (tyre pressure sensor)	55-09441
Schrader	MC34MA4 (tyre pressure monitor control unit)	51-29611
Schrader	MFR (tyre pressure monitor control unit)	55-06040
Schrader	MFR3 (tyre pressure monitor control unit)	51-79817
Veoneer	77V12BSM (radar sensor)	55-08176
Veoneer	77V12CRN (radar sensor)	55-08301
WITTE-Velbert	SDHTAG3NFC (locking system)	55-12216
Vitesco	HFA30 (Handsfree-Access)	56-01011

JAMAICA

REGULATORY RADIO IDENTIFIERS

Manufacturer	Model designation
Continental Automotive	CMKG1 (locking system)
Continental Automotive	CMKG2 (locking system)



Manufacturer	Model designation
Continental Automotive	RKE213E1 (aerial amplifier)
Continental Automotive	RKE223E1GNS (aerial amplifier)
Continental Automotive	MARS Keyless (locking system)
Hirschmann	920287A (locking system)
Hirschmann	920287B (locking system)
Hirschmann	920702A (locking system)
HELLA	DM4 (locking system)
HUF	HUF13145 (locking system)
LEOPOLD KOSTAL	KK1 (locking system)
MARQUARDT	DC12A (locking system)
MARQUARDT	DC12B (locking system)
MARQUARDT	DC12K (locking system)
MARQUARDT	MS2 (locking system)
MARQUARDT	MS4 (locking system)
MARQUARDT	MS5 (locking system)
MARQUARDT	MK1 (locking system)
MARQUARDT	MK2 (locking system)
MARQUARDT	MK3 (locking system)
MARQUARDT	MU3 (locking system)

Manufacturer	Model designation
MARQUARDT	3350.38 (locking system)
WITTE-Velbert	SDHTAG3NFC (locking system)
Valeo	ARTEMIS-SUB-01 (locking system)
Vitesco	HFA30 (Handsfree-Access)

JAPAN

REGULATORY RADIO IDENTIFIERS

Manufacturer	Model designation	Radio equipment approval number
Continental Automotive	CMKG2 (locking system)	TMWK2211004648KR
Continental Automotive Technologies	NTG7Q HIGH LF2 (head unit)	003-230113
Continental Automotive Technologies	NTG7Q PREMIUM LF2 (head unit)	003-230112
Sennheiser	M3IETW2R (Earbud)	201-190814 (R)
Sennheiser	M3IETW2L (Earbud)	201-190815 (L)
Sennheiser	BTT100 (Bluetooth Audio Transmitter)	020-180077
Vitesco	HFA30 (Handsfree-Access)	209-J00495



**CANADA****REGULATORY RADIO IDENTIFIERS**

Manufacturer	Model designation	Radio equipment approval number
Continental Automotive	CMKG2 (locking system)	IC: 7812D-CMKG2
Continental Automotive Technologies	NTG7Q MID LF2 (head unit)	IC: NTG7QMIDLF2
Continental Automotive Technologies	NTG7Q HIGH LF2 (head unit)	IC: NTG7QHIGLF2
Continental Automotive Technologies	NTG7Q PREMIUM LF2 (head unit)	IC: NTG7QPREF2
Sennheiser	M3IETW2R (Earbud)	IC:2099A-M3IETW2R
Sennheiser	M3IETW2L (Earbud)	IC:2099A-M3IETW2L
Sennheiser	BTT100 (Bluetooth Audio Transmitter)	IC:2099A-BTT100
Sennheiser	M3IETW2 C (Charging Case)	CAN ICS-3(B)/NMB-3(B)
Vitesco	HFA30 (Handsfree-Access)	28616-HFA30

KUWAIT**REGULATORY RADIO IDENTIFIERS**

Manufacturer	Model designation	Radio equipment approval number
HUF	HUF13145 (locking system)	Ref. 5873
Continental Automotive	CMKG2 (locking system)	Ref. 6716
Sennheiser	M3IETW2 (Momentum True Wireless 2)	Ref. 4870

Manufacturer	Model designation	Radio equipment approval number
Sennheiser	BTT100 (Bluetooth Audio Transmitter)	Ref. 4871
Vitesco	HFA30 (Handsfree-Access)	Ref. 7272

MALAYSIA**REGULATORY RADIO IDENTIFIERS**

Manufacturer	Model designation	Radio equipment approval number
ADC	ARS6-A (radar sensor)	HIDF15000153
ADC	ARS4-C (radar sensor)	HIDF15000153
Bosch	FR5CPCCF (radar sensor)	CIDF15000490
Bosch	LRR3 (radar sensor)	CIDF15000490
Bosch	MRR1Rear (radar sensor)	CIDF15000490
Bosch	MRRe14FCR (radar sensor)	CIDF15000490
Bosch	MRRevo14F (radar sensor)	CIDF15000490
Bosch	F5CP12 (radar sensor)	RGLN/30A/0522/S(22-2490)
Continental Antenna	RKE213E1 (aerial amplifier)	HIDF15000153
Continental Antenna	RKE223E1GNS (aerial amplifier)	HIDF16000136
Continental Automotive	CMKG1 (locking system)	HIDF15000153





Manufacturer	Model designation	Radio equipment approval number
Continental Automotive	CMKG2 (locking system)	HIDF15000153
Continental Automotive	MARS Keyless (locking system)	CIDF15000578
Continental Automotive	UWBTRX1 (locking system)	HIDF15000153
Continental Automotive	D-WMI2020A (control unit)	RGEZ/12A/1019/S(19-4128)
Continental Automotive Technologies	NTG7Q MID LF2 (head unit)	RCCT/92G/0423/S(23-0350)
Continental Automotive Technologies	NTG7Q HIGH LF2 (head unit)	CCT/91G/0323/S(23-1291)
Continental Automotive Technologies	NTG7Q PREMIUM LF2 (head unit)	RGQB/05A/0323/S(23-1293)
HELLA	DM4 (locking system)	RDDK/41A/0717/S(17-2269)
HELLA	RS6 (locking system)	CIDF15000578
Hirschmann	920287A (locking system)	RAUU/63A/0311/S(11-0432)
Hirschmann	920287B (locking system)	RAUU/22C/0615/S(15-1864)
Hirschmann	920702A (locking system)	HIDF15000153
Huf Baolong	TSSRE4A (tyre pressure sensor)	HIDF15000153
HUF	HUF13145 (locking system)	RFBY/09A/0422/S(22-1843)
HUF	HUF14632 (locking system)	RAYN/25A/0715/S(15-2385)

Manufacturer	Model designation	Radio equipment approval number
HUF	HUF4761 (locking system)	RAAU/16B/1112/S(12-2053)
LEOPOLD KOSTAL	KK1 (locking system)	HIDF15000153
MARQUARDT	DC12A (locking system)	RDDK/33A/0317/S(17-0669)
MARQUARDT	DC12B (locking system)	RAUU/62A/0311/S(11-0263)
MARQUARDT	DC12K (locking system)	RAUU/62A/0311/S(11-0264)
MARQUARDT	MS2 (locking system)	RDDK/31A/0217/S(17-0405)
MARQUARDT	MS4 (locking system)	RDDK/25B/1019/S(19-0943)
MARQUARDT	MS5 (locking system)	RGLO/02A/0720/S(20-2580)
MARQUARDT	MK1 (locking system)	CIDF19000029
MARQUARDT	MK2 (locking system)	CIDF19000029
MARQUARDT	3350.38 (locking system)	CIDF19000029
Meta System	ITS/TPS (interior protection)	RAVG/18Q/0212/S(11-2068)
Meta System	MUW II (interior protection)	RAVG/17Q/0212/S(11-2067)
Schrader	AG5SP4 (tyre pressure sensor)	RCDD/03A/0615/S(19-2094)
Schrader	AG3PF4 (tyre pressure sensor)	RBEF/28A/0419/S/(19-1542)
Schrader	BG3FP4 (tyre pressure sensor)	RBEF/51A/0121/S/(20-5642)
Schrader	GG4T (tyre pressure sensor)	RBEF/09A/1017/S(17-3183)



 Manufacturer	Model designation	Radio equipment approval number
Schrader	DG6W2D4 (tyre pressure sensor)	RBEF/09A/1017/S(17-3183)
Schrader	MFR (tyre pressure monitor control unit)	RAQP/62A/0419/S(19-1694)
Schrader	MFR3 (tyre pressure monitor control unit)	RAQP/62A/0419/S(19-1694)
Veoneer	77GHz MMRV1 (radar sensor)	HIDF15000153
Veoneer	77V12BSM (radar sensor)	HIDF15000153
Veoneer	77V12CRN (radar sensor)	HIDF15000153
Veoneer	77V125CRN (radar sensor)	HIDF15000153
WITTE-Velbert	SDHTAG3NFC (locking system)	RDDK/43B/0420/S(20-1749)
Vitesco	HFA30 (Handsfree-Access)	RGZK/03A/1223/S(23-5530)

MOROCCO

REGULATORY RADIO IDENTIFIERS

Manufacturer	Model designation	Radio equipment approval number
AGREE PAR L'ANRT MAROC		
ADC	ARS4-A (radar sensor)	MR 9490 ANTR 2014-07-23
ADC	ARS6-A (radar sensor)	MR 00033936 ANRT 2022-08-03

Manufacturer	Model designation	Radio equipment approval number
ADC	ARS4-C (radar sensor)	MR 20231 ANRT 2019-06-27
ADC	ARS441DP10 (radar sensor)	MR 20231 ANRT 2019-06-27
Bosch	FR5CPCCF (radar sensor)	MR 20575 ANRT 2019-07-29
Bosch	LRR3 (radar sensor)	MR 5371 ANRT 2010-2019-12-05
Bosch	MRR1Rear (radar sensor)	MR 9186 ANTR 2014-04-22
Bosch	MRRe14FCR (radar sensor)	MR 13900 ANTR 2017-05-04
Bosch	F5CP12 (radar sensor)	MR00032137ANRT2022
Continental Antenna	RKE213E1 (aerial amplifier)	MR 10631 ANTR 2015-07-16
Continental Antenna	RKE223E1GNS (aerial amplifier)	MR 21174 ANTR 2019-10-14
Continental Automotive	CMKG1 (locking system)	MR 21701 ANTR 2019-12-05
Continental Automotive	CMKG2 (locking system)	MR 36542 ANRT 2023-02-01
Continental Automotive	MARS Keyless (locking system)	MR 13681 ANTR 2017-04-04
HELLA	DM4 (locking system)	MR 14426 ANTR 2017-07-28
Hirschmann	920287A (locking system)	MR 6700 ANTR 2011-11-16
Hirschmann	920287B (locking system)	MR 7260 ANTR 2012-06-13
Hirschmann	920702A (locking system)	MR 32214 ANTR 2022-03-08
Huf Baolong	TSSRE4A (tyre pressure monitor control unit)	MR 14320 ANTR 2017-07-07



Manufacturer	Model designation	Radio equipment approval number
Huf Baolong	TSSSG4G6b (tyre pressure monitor control unit)	MR 19561 ANTR 2019-04-26
HUF	HUF13145 (locking system)	MR 32395 ANRT 2022-03-24
HUF	HUF14632 (locking system)	MR 10506 ANTR 2015-06-22
HUF	HUF4761 (locking system)	MR 7829 ANTR 2013-02-14
LEOPOLD KOSTAL	KK1 (locking system)	MR 10697 ANTR 2015-08-05
MARQUARDT	DC12A (locking system)	MR 13429 ANTR 2017-03-03
MARQUARDT	DC12B (locking system)	MR 6698 ANTR 2021-11-04
MARQUARDT	DC12K (locking system)	MR 6699 ANTR 2021-11-04
MARQUARDT	MS2 (locking system)	MR 13300 ANTR 2017-02-15
MARQUARDT	MS4 (locking system)	MR 19199 ANTR 2019-03-25
MARQUARDT	MS5 (locking system)	MR 23805 ANRT 2020-04-22
MARQUARDT	MS7 (locking system)	MR 00001197 ANTR 2024-03-25
MARQUARDT	MK1 (locking system)	MR 10645 ANTR 2015-07-21
MARQUARDT	MK2 (locking system)	MR 10987 ANTR 2015-10-22
MARQUARDT	MK3 (locking system)	MR 00041098 ANTR 2023-12-25
MARQUARDT	MU3 (locking system)	MR 00039580 ANTR 2023-08-08
MARQUARDT	3350.38 (locking system)	MR 18817 ANTR 2019-02-12

Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	MUB1 (locking system)	MR 00000864 ANTR 2024-02-29
Schrader	AG5SP4 (tyre pressure monitor control unit)	MR 10216 ANRT 2015
Schrader	AG3PF4 (tyre pressure sensor)	MR 19241 ANRT 2019
Schrader	BG3FP4 (tyre pressure sensor)	MR00026829ANRT2020
Schrader	MFR (tyre pressure monitor control unit)	MR 10927 ANRT 2015
Schrader	MFR3 (tyre pressure monitor control unit)	MR 19527 ANRT 2019
Schrader	GG4T (tyre pressure sensor)	MR 14777 ANRT 2017-09-20
Schrader	DG6W2D4 (tyre pressure sensor)	MR 16355 ANRT 2018-04-19
Schrader	MC34MA4 (tyre pressure monitor control unit)	MR 6706 ANRT 2011-11-17
Veoneer	77GHz MMRV1 (radar sensor)	MR 10436 ANRT 2015-05-25
Veoneer	77V12BSM (radar sensor)	MR 20097 ANRT 2019-06-14
Veoneer	77V12CRN (radar sensor)	MR 20149 ANRT 2019-06-19
Veoneer	77V125CRN (radar sensor)	MR 27966 ANRT 2021-03-29
Valeo	ARTEMIS-SUB-01 (radar sensor)	MR 00000073 ANRT 2024-01-05
WITTE-Velbert	SDHTAG3NFC (locking system)	MR 23310 ANRT 2020-03-10

**MEXICO****REGULATORY RADIO IDENTIFIERS**

NOM		
Manufacturer	Model designation	Radio equipment approval number
ADC	ARS4-A (radar sensor)	IFETEL: RCPCOAR14-1191
ADC	ARS6-A (radar sensor)	IFETEL: SYCOAR22-17289
ADC	ARS4-C (radar sensor)	IFETEL: RLVCOR19-1062
ADC	ARS441DP10 (radar sensor)	IFETEL: RLVCOR19-1062
Bosch	LRR3 (radar sensor)	IFETEL: RCPBOLR09-0828
Bosch	MRR1Rear (radar sensor)	IFETEL: RCPBOMR14-0922
Bosch	MRRe14FCR (radar sensor)	IFETEL: RCPBOMR17-0598
Continental Antenna	RKE213E1 (aerial amplifier)	IFETEL: RLVKARK15-1741
Continental Antenna	RKE223E1 (aerial amplifier)	IFETEL: RLCORK19-2174
Continental Automotive	CMKG1 (locking system)	IFETEL: RPCCOCM19-2315
Continental Automotive	CMKG2 (locking system)	IFETEL: COCOM22-31003
Continental Automotive	MARS Keyless (locking system)	IFETEL: RLVDAMA18-1827
Continental Automotive	UWBTRX1 (locking system)	IFETEL: MECOCM22-17609
Continental Automotive Technologies	NTG7Q MID LF2 (head unit)	IFETEL: MEMENT23 - 12200
Continental Automotive Technologies	NTG7Q HIGH LF2 (head unit)	IFETEL: MEMENT23 - 11923

NOM			
Manufacturer	Model designation	Radio equipment approval number	
Continental Automotive Technologies	NTG7Q PREMIUM LF2 (head unit)	IFETEL: MEMENT23 - 12204	
Gentex	MUAHL 5 (convenience system)	IFETEL: RCPGEMU15-0448	
HELLA	DM4 (locking system)	IFETEL: RLVHEDM17-10	
Hirschmann	920287A (locking system)	IFETEL: RLVHI9211-0472	
Hirschmann	920287B (locking system)	IFETEL: RLVHI9212-0608	
Hirschmann	920702A (locking system)	IFETEL: RLVHI9222-2674	
Huf Baolong	TSSRE4A (tyre pressure sensor)	IFETEL: RLVHUTS17-0806	
HUF	HUF13145 (locking system)	IFETEL: RCPHUHU22-2505	
HUF	HUF14632 (locking system)	IFETEL: RLVHUHU15-1204	
HUF	HUF4761 (locking system)	IFETEL: RLVHUHU12-1587	
LEOPOLD KOSTAL	KK1 (locking system)	IFETEL: RLVKOKK15-0891	
MARQUARDT	DC12A (locking system)	IFETEL: RLVMEDC17-0348	
MARQUARDT	DC12B (locking system)	IFETEL: RLVMADC11-0446	
MARQUARDT	DC12K (interior protection)	IFETEL: RLVMADC11-0446	
MARQUARDT	MS2 (locking system)	IFETEL: RLVMAMS17-0222	
MARQUARDT	MS4 (locking system)	IFETEL: RLVMAMS19-0449	



NOM		
Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	MS5 (locking system)	IFETEL: RLVMEMS20-0957
MARQUARDT	MK1 (locking system)	IFETEL: RLMAMK15-1042
MARQUARDT	MK2 (locking system)	IFETEL: RLMAMK15-1043
MARQUARDT	3350.38 (locking system)	IFETEL: RCPMA3319-0530
Schrader	AG5SP4 (tyre pressure sensor)	IFETEL: RCPSCAG15-0627
Schrader	AG3PF4 (tyre pressure sensor)	IFETEL: RLVSCAG19-0705
Schrader	BG3FP4 (tyre pressure sensor)	IFETEL: RLVSCBG21-0750
Schrader	MFR (tyre pressure monitor control unit)	IFETEL: RLVSCMF15-0959
Schrader	MFR3 (tyre pressure monitor control unit)	IFETEL: RLVSCMF19-0777
Schrader	GG4T (tyre pressure sensor)	IFETEL: RLVSCGG17-1665
Schrader	DG6W2D4 (tyre pressure sensor)	IFETEL: RLVSCDG18-04
Schrader	MC34MA4 (tyre pressure monitor control unit)	IFETEL: RCPSCMR14-062
Sennheiser	M3IETW2R (Earbud)	IFETEL: RCPSEM320-0435-A1
Sennheiser	M3IETW2L (Earbud)	IFETEL: RCPSEM320-0435
Sennheiser	BTT100 (Bluetooth Audio Transmitter)	IFETEL: RCPSEBT18-1407

NOM		
Manufacturer	Model designation	Radio equipment approval number
WITTE-Velbert	SDHTAG3NFC (locking system)	IFETEL: RCPWISD20-0943
Vitesco	HFA30 (Handsfree-Access)	IFETEL: ROVIHF24-02919

MONGOLIA

REGULATORY RADIO IDENTIFIERS

	Manufacturer	Model designation	Radio equipment approval number
Continental Automotive	CMKG1 (locking system)	A19000633	
Continental Automotive	CMKG2 (locking system)	A23000900	
Continental Automotive	MARS Keyless (locking system)	A18000328	
HELLA	DM4 (locking system)	A18000329	
Hirschmann	920702A (locking system)	A22000649	
HUF	HUF13145 (locking system)	A22000674	
MARQUARDT	DC12A (locking system)	A19000400	
MARQUARDT	DC12B (locking system)	A19000371	
MARQUARDT	DC12K (locking system)	A19000372	
MARQUARDT	MS2 (locking system)	A18000289	



 Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	MS4 (locking system)	A19000516
MARQUARDT	MS5 (locking system)	A20000085
MARQUARDT	MK1 (locking system)	A19000374
MARQUARDT	MK2 (locking system)	A19000374
MARQUARDT	MK3 (locking system)	A24001205
MARQUARDT	MU3 (locking system)	A23001102
MARQUARDT	3350.38 (locking system)	A19000401
WITTE-Velbert	SDHTAG3NFC (locking system)	A20000067
Valeo	ARTEMIS-SUB-01 (radar sensor)	A24001183
Vitesco	HFA30 (Handsfree-Access)	A23001126

NIGER**REGULATORY RADIO IDENTIFIERS**

Manufacturer	Model designation	Radio equipment approval number
Continental Antenna	RKE213E1 (aerial amplifier)	029/ARCEP/DG/19
Continental Automotive	MARS Keyless (locking system)	083/ARCEP/DG/19
HELLA	DM4 (locking system)	082/ARCEP/DG/19

Manufacturer	Model designation	Radio equipment approval number
Hirschmann	920287A (locking system)	097/ARCEP/DG/19
Hirschmann	920287B (locking system)	098/ARCEP/DG/19
HUF	HUF4761 (locking system)	053/ARCEP/DG/19
LEOPOLD KOSTAL	KK1 (locking system)	037/ARCEP/DG/19
MARQUARDT	DC12A (locking system)	010/ARCEP/DG/19
MARQUARDT	DC12B (locking system)	008/ARCEP/DG/19
MARQUARDT	DC12K (locking system)	009/ARCEP/DG/19
MARQUARDT	MS2 (locking system)	014/ARCEP/DG/19
MARQUARDT	MS4 (locking system)	HOMO-0096/ARCEP/DG/2019
MARQUARDT	MK1 (locking system)	034/ARCEP/DG/19
MARQUARDT	MK2 (locking system)	035/ARCEP/DG/19
MARQUARDT	3350.38 (locking system)	015/ARCEP/DG/19
MARQUARDT	MU1 (locking system)	HOMO-0095/ARCEP/DG/2019

NIGERIA**REGULATORY RADIO IDENTIFIERS**

Manufacturer	Model designation
ADC	ARS4-A (radar sensor)
ADC	ARS6-A (radar sensor)
ADC	ARS4-C (radar sensor)



Manufacturer	Model designation
Bosch	FR5CPCCF (radar sensor)
Bosch	MRR1Rear (radar sensor)
Bosch	MRRe14FCR (radar sensor)
Bosch	F5CP12 (radar sensor)
Continental Antenna	RKE213E1 (aerial amplifier)
Continental Antenna	RKE223E1GNS (aerial amplifier)
Continental Automotive	CMKG1 (locking system)
Continental Automotive	CMKG2 (locking system)
Continental Automotive	MARS Keyless (locking system)
HELLA	DM4 (locking system)
Hirschmann	920287A (locking system)
Hirschmann	920287B (locking system)
Hirschmann	920702A (locking system)
HUF	HUF13145 (locking system)
HUF	HUF14632 (locking system)
HUF	HUF4761 (locking system)
LEOPOLD KOSTAL	KK1 (locking system)
MARQUARDT	DC12A (locking system)
MARQUARDT	DC12B (locking system)

Manufacturer	Model designation
MARQUARDT	DC12K (locking system)
MARQUARDT	MS2 (locking system)
MARQUARDT	MS4 (locking system)
MARQUARDT	MS5 (locking system)
MARQUARDT	MK1 (locking system)
MARQUARDT	MK2 (locking system)
MARQUARDT	MK3 (locking system)
MARQUARDT	MU3 (locking system)
MARQUARDT	3350.38 (locking system)
Schrader	AG3PF4 (tyre pressure sensor)
Schrader	BG3FP4 (tyre pressure sensor)
Schrader	MFR3 (tyre pressure monitor control unit)
Veoneer	77V12BSM (radar sensor)
Veoneer	77V12CRN (radar sensor)
Veoneer	77V125CRN (radar sensor)
WITTE-Velbert	SDHTAG3NFC (locking system)
Vitesco	HFA30 (Handsfree-Access)





OMAN

REGULATORY RADIO IDENTIFIERS

Manufacturer	Model designation	Radio equipment approval number
ADC	ARS4-A (radar sensor)	TRA/TA-R/2016/14 D080134
ADC	ARS6-A (radar sensor)	TRA/TA-R/14181/22 D172338
ADC	ARS4-C (radar sensor)	TRA/TA-R/7769/19 D172338
Bosch	FR5CPCCF (radar sensor)	TRA/TA-R/7983/19 D172338
Bosch	LRR3 (radar sensor)	TRA/TA-R/1049/09
Bosch	MRR1Rear (radar sensor)	TRA/TA-R/1849/14
Bosch	MRRe14FCR (radar sensor)	TRA/TA-R/4353/17
Bosch	F5CP12 (radar sensor)	TRA/TA-R/13339/22
Continental Antenna	RKE213E1 (aerial amplifier)	TRA/TA-R/2715/15 D090258
Continental Antenna	RKE223E1GNS (aerial amplifier)	TRA/TA-R/8337/19 D172338
Continental Automotive	CMKG1 (locking system)	TRA/TA-R/8642/19 D172338
Continental Automotive	CMKG2 (locking system)	TRA/TA-R/15164/23 D100428

Manufacturer	Model designation	Radio equipment approval number
Continental Automotive	MARS Keyless (locking system)	TRA/TA-R/4158/17 D080134
HELLA	DM4 (locking system)	TRA/TA-R/4548/17 D080134
Hirschmann	920287A (locking system)	TRA/TA-R/0210/11 D080353
Hirschmann	920287B (locking system)	TRA/TA-R/0655/12 D080353
Hirschmann	920702A (locking system)	TRA/TA-R/13300/22 D172338
Huf Baolong	TSSRE4A (tyre pressure sensor)	TRA/TA-R/4516/17 D100428
Huf Baolong	TSSSG4G6b (tyre pressure sensor)	TTRA/TA-R/7506/19
HUF	HUF13145 (locking system)	TRA/TA-R/13465/22
HUF	HUF14632 (locking system)	TRA/TA-R/2665/15
HUF	HUF4761 (locking system)	TRA/TA-R/0920/12
LEOPOLD KOSTAL	KK1 (locking system)	TRA/TA-R/3129/16
MARQUARDT	DC12A (locking system)	TRA/TA-RD/4056/17 D100428
MARQUARDT	DC12B (locking system)	TRA/TA-R/0227/11 D080353





Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	DC12K (locking system)	TRA/TA-R/0228/11 D080353
MARQUARDT	MS2 (locking system)	TRA/TA-R/4136/17 D080134
MARQUARDT	MS4 (locking system)	TRA/TA-R/7316/19 D172249
MARQUARDT	MS5 (locking system)	TRA/TA-R/17887/24 D172338
MARQUARDT	MK1 (locking system)	TRA/TA-R/2848/15 D080353
MARQUARDT	MK2 (locking system)	TRA/TA-R/2900/15 D080353
MARQUARDT	MK3 (locking system)	TRA/TA-R/17223/23 D080354
MARQUARDT	MU3 (locking system)	TRA/TA-R/16494/23 D172338
MARQUARDT	3350.38 (locking system)	TRA/TA-R/7051/19 D172249
MARQUARDT	MUB1 (locking system)	TRA/TA-R/17721/24 D172338
Schrader	AG5SP4 (tyre pressure sensor)	TTRA R/2380/15 D080134
Schrader	AG3PF4 (tyre pressure sensor)	TRA R/7287/19 D172338

Manufacturer	Model designation	Radio equipment approval number
Schrader	BG3FP4 (tyre pressure sensor)	TRA/TA-R/10694/20 D172338
Schrader	MFR (tyre pressure monitor control unit)	TRA/TA-R/7464/19 D090258
Schrader	MFR3 (tyre pressure monitor control unit)	TRA/TA-R/7467/19 D090258
Schrader	GG4T (tyre pressure sensor)	TRA/TA-R/4686/17 D080134
Schrader	DG6W2D4 (tyre pressure sensor)	TRA/TA-R/5511/18 D172249
Sennheiser	M3IETW2R (Earbud)	TRA/TA-R/10988/21
Sennheiser	BTT100 (Bluetooth Audio Transmitter)	TRA/TA-R/10976/21
Veoneer	77GHz MMRV1 (radar sensor)	TRA/TA-R/2706/15
Veoneer	77V12BSM (radar sensor)	TRA/TA-R/7706/19 D172338
Veoneer	77V12CRN (radar sensor)	TRA/TA-R/7707/19 D172338
Veoneer	77V125CRN (radar sensor)	TRA/TA-R/11335/21 D172338
WITTE-Velbert	SDHTAG3NFC (locking system)	TRA/TA-R/9150/20



Manufacturer	Model designation	Radio equipment approval number
Valeo	ARTEMIS-SUB-01 (radar sensor)	TRA/TA-R/17293/23 D172338
Vitesco	HFA30 (Handsfree-Access)	TRA/TA-R/17028/23 172338D

PAKISTAN

REGULATORY RADIO IDENTIFIERS



Manufacturer	Model designation	Radio equipment approval number
ADC	ARS4-A (radar sensor)	TAC NO: 9.9014/2019
ADC	ARS4-C (radar sensor)	TAC NO: 9.9389/2019
Bosch	FR5CPCCF (radar sensor)	TAC NO: 9.198/2020
Bosch	F5CP12 (radar sensor)	TAC NO: 9.243/2023
Continental Antenna	RKE213E1 (aerial amplifier)	TAC NO: 9.142/2016
Continental Antenna	RKE223E1GNS (aerial amplifier)	TAC NO: 9.100169/2019
Continental Automotive	CMKG1 (locking system)	TAC NO: 9.100175/2019
Continental Automotive	CMKG2 (locking system)	TAC NO: 9.153/2023
Continental Automotive	MARS Keyless (locking system)	TAC NO: 9.213/2017
Continental Automotive	D-WMI2020A (control unit)	TAC NO: 9.9836/2019



Manufacturer	Model designation	Radio equipment approval number
HELLA	DM4 (locking system)	TAC NO: 9.409/2017
Hirschmann	920287A (locking system)	TAC NO: 9.845/2013
Hirschmann	920287B (locking system)	TAC NO: 9.846/2013
Hirschmann	920702A (locking system)	TAC NO: 9.412/2022
HUF Baolong	TSSRE4A (tyre pressure sensor)	TAC NO: 9.620/2017
HUF Baolong	TSSSRG4G6B (tyre pressure monitor control unit)	TAC NO: 9.9345/2019
HUF	HUF14632 (locking system)	TAC NO: 9.598/2015
HUF	HUF4761 (locking system)	TAC NO: 9.790/2013
LEOPOLD KOSTAL	KK1 (locking system)	TAC NO: 9.118/2016
MARQUARDT	DC12A (locking system)	TAC NO: 9.131/2017
MARQUARDT	DC12B (locking system)	TAC NO: 9.829/2013
MARQUARDT	DC12K (locking system)	TAC NO: 9.830/2013
MARQUARDT	MS2 (locking system)	TAC NO: 9.133/2017
MARQUARDT	MS4 (locking system)	TAC NO: 9.100171/2019
MARQUARDT	MS5 (locking system)	TAC NO: 9.322/2024
MARQUARDT	MK1 (locking system)	TAC NO: 9.486/2015
MARQUARDT	MK2 (locking system)	TAC NO: 9.497/2015



Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	MK3 (locking system)	TAC NO: 9.1175/2023
MARQUARDT	MU3 (locking system)	TAC NO: 9.1168/2023
MARQUARDT	MUB1 (locking system)	TAC NO: 9.269/2024
Schrader	AG3PF4 (tyre pressure sensor)	TAC NO: 9.039/2016
Schrader	AG5SP4 (tyre pressure sensor)	TAC NO: 9.9167/2019
Schrader	BG3FP4 (tyre pressure sensor)	TAC NO: 9.68/2021
Schrader	GG4T (tyre pressure sensor)	TAC NO: 9.538/2017
Schrader	DG6W2D4 (tyre pressure sensor)	TAC NO: 9.789/2018
Veoneer	77GHz MMRV1 (radar sensor)	TAC NO: 9.9284/2019
Veoneer	77V12BSM (radar sensor)	TAC NO: 9.9391/2019
Veoneer	77V12CRN (radar sensor)	TAC NO: 9.9391/2019
Veoneer	77V125CRN (radar sensor)	TAC NO: 9.477/2021
WITTE-Velbert	SDHTAG3NFC (locking system)	TAC NO: 9.527/2020
Vitesco	HFA30 (Handsfree-Access)	TAC NO: 9.1058/2023

PARAGUAY

REGULATORY RADIO IDENTIFIERS

Manufacturer	Model designation	Radio equipment approval number
ADC	ARS4-A (radar sensor)	2019-05-I-0271
ADC	ARS6-A (radar sensor)	2022-08-I-0513
ADC	ARS4-C (radar sensor)	2019-11-I-0602
ADC	ARS4-C (radar sensor)	2019-11-I-0602
Bosch	FR5CPCCF (radar sensor)	2019-09-I-0508
Bosch	MRRe14FCR (radar sensor)	2017-06-I-0000162
Bosch	MRR1Rear (radar sensor)	2019-05-I-000236
Bosch	F5CP12 (radar sensor)	2022-05-I-0329
Continental Antenna	RKE213E1 (aerial amplifier)	2021-02-I-00101 y 2016-02-I-0000038





Manufacturer	Model designation	Radio equipment approval number
Continental Antenna	RKE223E1GNS (aerial amplifier)	2019-12-I-0656
Continental Automotive	CMKG1 (locking system)	2020-02-I-0110
Continental Automotive	CMKG2 (locking system)	2023-03-I-0153
Continental Automotive	MARS Keyless (locking system)	2017-05-I-0000136
Continental Automotive	D-WMI2016A	2019-03-I-0170
Continental Automotive	D-WMI2017A	2019-03-I-000171
Continental Automotive	D-WMI2017B	2019-03-I-000172
Continental Automotive	D-WMI2020A	2019-11-I-0600
HELLA	DM4 (locking system)	2022-06-I-0388 y 2017-08-I-0000261

Manufacturer	Model designation	Radio equipment approval number
Hirschmann	920287A (locking system)	2016-5-I-000134 y 2011-06-I-0059
Hirschmann	920287B (locking system)	2017-04-I-0000119 y 2012-05-I-0096
Hirschmann	920702A (locking system)	2022-03-I-0149
Huf Baolong	TSSRE4A (tyre pressure sensor)	2022-08-I-0528
HUF	HUF13145 (locking system)	2022-04-I-0235
HUF	HUF14632 (locking system)	2020-06-I-0284 y 2015-08-I-0000226
HUF	HUF4761 (locking system)	2017-12-I-0000409 y 2012-10-I-0178
LEOPOLD KOSTAL	KK1 (locking system)	2015-06-I-0000181
MARQUARDT	DC12A (locking system)	2020-12-I-0898 y 2015-06-I-0000181





Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	DC12B (locking system)	 2021-05-I-0304; 2016-5-I-000144 y 2011-06-I-0067
MARQUARDT	DC12K (locking system)	 2021-05-I-0305; 2016-5-I-000143 y 2011-06-I-0068
MARQUARDT	MS2 (locking system)	 2017-04-I-0000101
MARQUARDT	MS4 (locking system)	 2019-10-I-0581
MARQUARDT	MS5 (locking system)	 2020-08-I-0604
MARQUARDT	MK1 (locking system)	 2020-07-I-0390 y 2015-07-I-0000200
MARQUARDT	MK2 (locking system)	 2020-07-I-0391 y 2015-07-I-0000201
MARQUARDT	MK3 (locking system)	 2024-03-I-0256
MARQUARDT	MU3 (locking system)	 2023-08-I-0590

Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	3350.38 (locking system)	 2024-02-I-0190 y 2019-04-I-000216
Schrader	AG5SP4 (tyre pressure sensor)	 2015-04-I-0000150
Schrader	AG3PF4 (tyre pressure sensor)	 2019-05-1-000261
Schrader	BG3FP4 (tyre pressure sensor)	 2021-02-I-0063
Schrader	GG4T (tyre pressure sensor)	 2020-02-1-0044
Schrader	DG6W2D4 (tyre pressure sensor)	 2019-11-1-0632
Veoneer	77GHz MMRV1 (radar sensor)	 2020-07-I-0510
Veoneer	77V12BSM (radar sensor)	 2019-07-I-0399
Veoneer	77V12CRN (radar sensor)	 2019-07-I-0398
Veoneer	77V125CRN (radar sensor)	 2021-04-I-0188



Manufacturer	Model designation	Radio equipment approval number
Vitesco	HFA30 (Handsfree-Access)	 2023-11-I-0808
Valeo	ARTEMIS-SUB-01 (radar sensor)	 2024-01-I-0074
WITTE-Velbert	SDHTAG3NFC (locking system)	 2020-06-I-0326

Further specific information

Charging unit for the wireless charging of mobile devices (WMI):

D-WMI2020A:

This vehicle is equipped with the following radio frequency component approved by CONATEL – Paraguay: Wireless interface for mobile devices, Continental brand, model D-WMI2020A, manufactured by Continental Automotive GmbH.

Radio equipment approval number: 2019-11-I-0600

Rear Seat Entertainment System:

DAIRSE:

Importer: Condor S.A.C.I Casa Central, J.B. Gorostiaga 315 y Guaraníes, Asunción, Paraguay, (595 21) 569 7000, sac@condor.com.py

PHILIPPINES

REGULATORY RADIO IDENTIFIERS

Manufacturer	Model designation	Radio equipment approval number
ADC	ARS4-A (radar sensor)	ESD-1409466C
ADC	ARS4-C (radar sensor)	ESD-1920226C
Bosch	FR5CPCCF (radar sensor)	ESD-1920531C
Bosch	MRR1Rear (radar sensor)	ESD-1408917C
Bosch	MRRe14FCR (radar sensor)	ESD-1716172C
Bosch	F5CP12 (radar sensor)	ESD-RCE-2229495
Continental Antenna	RKE213E1 (aerial amplifier)	ESD-1511856C
Continental Antenna	RKE223E1GNS (aerial amplifier)	ESD-1921015C
Continental Automotive	CMKG1 (locking system)	ESD-2021556C
Continental Automotive	CMKG2 (locking system)	ESD-RCE-2332806
Continental Automotive	MARS Keyless (locking system)	ESD-1714865C
HELLA	DM4 (locking system)	ESD-1715539C
Hirschmann	920287A (locking system)	ESD-1105246C
Hirschmann	920287B (locking system)	ESD-1206044C
Hirschmann	920702A (locking system)	ESD-RCE-2229632



Manufacturer	Model designation	Radio equipment approval number
Huf Baolong	TSSRE4A (tyre pressure sensor)	ESD-1715393C
HUF	HUF13145 (locking system)	ESD-RCE-2229722
HUF	HUF14632 (locking system)	ESD-1511236C
HUF	HUF4761 (locking system)	ESD-1206521C
LEOPOLD KOSTAL	KK1 (locking system)	ESD-1510698C
MARQUARDT	DC12A (locking system)	ESD-1714489C
MARQUARDT	DC12B (locking system)	ESD-1105216C
MARQUARDT	DC12K (locking system)	ESD-1105215C
MARQUARDT	MS2 (locking system)	ESD-1715652C
MARQUARDT	MS4 (locking system)	ESD-1919133C
MARQUARDT	MS5 (locking system)	ESD-2022426C
MARQUARDT	MK1 (locking system)	ESD-1510644C
MARQUARDT	MK2 (locking system)	ESD-1510645C
MARQUARDT	MK3 (locking system)	ESD-REC-2436842
MARQUARDT	MU3 (locking system)	ESD-REC-2436843
MARQUARDT	3350.38 (locking system)	ESD-1919198C
MARQUARDT	MUB1 (locking system)	ESD-REC-2436916

Manufacturer	Model designation	Radio equipment approval number
Schrader	AG5SP4 (tyre pressure sensor)	ESD-1715393C
Schrader	AG3PF4 (tyre pressure sensor)	ESD-1919585C
Schrader	BG3FP4 (tyre pressure sensor)	ESD-RCE-2124846
Schrader	GG4T (tyre pressure sensor)	ESD-1715977C
Schrader	DG6W2D4 (tyre pressure sensor)	ESD-1817081C
Veoneer	77GHz MMRV1 (radar sensor)	ESD-1510921C
Vitesco	HFA30 (Handsfree-Access)	ESD-RCE-2335375
Valeo	ARTEMIS-SUB-01 (radar sensor)	ESD-RCE-2436285
WITTE-Velbert	SDHTAG3NFC (locking system)	ESD-2022599C

ZAMBIA

REGULATORY RADIO IDENTIFIERS

Manufacturer	Model designation	Radio equipment approval number
Continental Antenna	RKE223E1 (aerial amplifier)	ZMB/ZICTA/TA/2019/3/11
Continental Automotive	MARS Keyless (locking system)	ZMB/ZICTA/TA/2019/3/3





Manufacturer	Model designation	Radio equipment approval number
HELLA	DM4 (locking system)	ZMB/ZICTA/TA/2019/3/4
Hirschmann	920287A (locking system)	ZMB/ZICTA/TA/2019/7/12
Hirschmann	920287B (locking system)	ZMB/ZICTA/TA/2019/7/11
HUF	HUF4761 (locking system)	ZMB/ZICTA/TA/2018/12/18
LEOPOLD KOSTAL	KK1 (locking system)	ZMB/ZICTA/TA/2019/3/48
MARQUARDT	DC12A (locking system)	ZMB/ZICTA/TA/2019/5/16
MARQUARDT	DC12B (locking system)	ZMB/ZICTA/TA/2019/5/17
MARQUARDT	DC12K (locking system)	ZMB/ZICTA/TA/2019/5/18
MARQUARDT	MS2 (locking system)	ZMB/ZICTA/TA/2018/9/30
MARQUARDT	MS4 (locking system)	ZMB/ZICTA/TA/2019/7/123
MARQUARDT	MK1 (locking system)	ZMB/ZICTA/TA/2019/3/20
MARQUARDT	MK2 (locking system)	ZMB/ZICTA/TA/2019/3/21
MARQUARDT	3350.38 (locking system)	ZMB/ZICTA/TA/2019/3/6
MARQUARDT	MU1 (locking system)	ZMB/ZICTA/TA/2019/7/124
Valeo	ARTEMIS-SUB-01 (radar sensor)	ZMB/ZICTA/TA/2024/1/08

SENEGAL

AGREE PAR ARTP SENEGAL

Numéro d'agrément : XXXXX/AG/ER

REGULATORY RADIO IDENTIFIERS

Manufacturer	Model designation	Radio equipment approval number
Continental Automotive	CMKG2 (locking system)	072504/AG/ER
Continental Automotive Technologies	NTG7Q MID LF2 (head unit)	072486/AG/ER
Continental Automotive Technologies	NTG7Q HIGH LF2 (head unit)	072487/AG/ER
Continental Automotive Technologies	NTG7Q PREMIUM LF2 (head unit)	072488/AG/ER
Continental Automotive Technologies	NTG7Q PREMIUMPLUS LF2 (head unit)	072689/AG/ER
MARQUARDT	MK3 (locking system)	072784/AG/ER
MARQUARDT	MU3 (locking system)	072676/AG/ER
Valeo	ARTEMIS-SUB-01 (radar sensor)	072776/AG/ER



**SERBIA****REGULATORY RADIO IDENTIFIERS**

	Manufacturer	Model designation	Radio equipment approval number
ADC	ARS4-A (radar sensor)	011 20	
ADC	ARS6-A (radar sensor)	038 22	
ADC	ARS4-C (radar sensor)	011 19	
Bosch	FR5CPCCF (radar sensor)	011 19	
Bosch	LRR3 (radar sensor)	011 19	
Bosch	MRR1Rear (radar sensor)	011 17	
Bosch	MRRe14FCR (radar sensor)	005 17	
Continental Antenna	RKE213E1 (aerial amplifier)	005 21	
Continental Antenna	RKE223E1GNS (aerial amplifier)	005 22	
Continental Automotive	CMKG1 (locking system)	005 20	
Continental Automotive	CMKG2 (locking system)	005 23	
Continental Automotive	MARS Keyless (locking system)	005 20	
Continental Automotive	NTG7 MID	005 23	
Continental Automotive	NTG7 HIGH	005 23	
Continental Automotive	NTG7 PREMIUM	005 23	

	Manufacturer	Model designation	Radio equipment approval number
Continental Automotive	NTG7 PREMIUM PLUS	005 23	
Continental Automotive Technologies	NTG7Q MID LF2 (head unit)	005 23	
Continental Automotive Technologies	NTG7Q HIGH LF2 (head unit)	005 23	
Continental Automotive Technologies	NTG7Q PREMIUM LF2 (head unit)	005 23	
HELLA	DM4 (locking system)	005 20	
Hirschmann	920287A (locking system)	005 18	
Hirschmann	920287B (locking system)	005 18	
Hirschmann	920702A (locking system)	005 22	
Huf Baolong	TSSRE4A (tyre pressure sensor)	005 20	
HUF	HUF13145 (locking system)	005 22	
HUF	HUF14632 (locking system)	005 21	
HUF	HUF4761 (locking system)	005 21	
LEOPOLD KOSTAL	KK1 (locking system)	005 18	
MARQUARDT	DC12A (locking system)	005 20	
MARQUARDT	DC12B (locking system)	005 20	
MARQUARDT	DC12K (locking system)	005 20	



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Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	MS2 (locking system)	011 17
MARQUARDT	MS4 (locking system)	005 19
MARQUARDT	MS5 (locking system)	005 24
MARQUARDT	MK1 (locking system)	005 21
MARQUARDT	MK2 (locking system)	005 21
MARQUARDT	MK3 (locking system)	005 24
MARQUARDT	MU3 (locking system)	005 23
MARQUARDT	3350.38 (locking system)	005 22
MARQUARDT	MUB1 (locking system)	005 24
Meta System	MUW II (interior protection)	011 19
Schrader	AG5SP4 (tyre pressure sensor)	005 15
Schrader	AG3PF4 (tyre pressure sensor)	005 15
Schrader	BG3FP4 (tyre pressure sensor)	005 20
Schrader	GG4T (tyre pressure sensor)	005 17
Schrader	DG6W2D4 (tyre pressure sensor)	005 18
Schrader	MC34MA4 (tyre pressure monitor control unit)	011 11

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Manufacturer	Model designation	Radio equipment approval number
Valeo	ARTEMIS-SUB-01 (radar sensor)	011 18
Veoneer	77GHz MMRV1 (radar sensor)	005 24
Veoneer	77V12BSM (radar sensor)	011 19
Veoneer	77V12CRN (radar sensor)	011 19
Veoneer	77V125CRN (radar sensor)	038 21
Vitesco	HFA30 (Handsfree-Access)	011
WITTE-Velbert	SDHTAG3NFC (locking system)	005 20

SINGAPORE

REGULATORY RADIO IDENTIFIERS

Manufacturer	Model designation	Radio equipment approval number
		Complies with IMDA Standards
ADC	ARS4-A (radar sensor)	DA103365
ADC	ARS6-A (radar sensor)	DA103365
ADC	ARS4-C (radar sensor)	DA103365
Bosch	FR5CPCCF (radar sensor)	DA103365
Bosch	LRR3 (radar sensor)	DA103365





Manufacturer	Model designation	Radio equipment approval number
Bosch	MRR1Rear (radar sensor)	DA103365
Bosch	MRRe14FCR (radar sensor)	DA103365
Bosch	F5CP12 (radar sensor)	N3827-22
Continental Antenna	RKE213E1 (aerial amplifier)	DA105282
Continental Antenna	RKE223E1GNS (aerial amplifier)	DA107248
Continental Automotive	CMKG1 (locking system)	DA103365
Continental Automotive	CMKG2 (locking system)	DB106440
Continental Automotive	MARS Keyless (locking system)	DA105282
Continental Automotive	UWBTRX1 (locking system)	DB107091
Continental Automotive	D-WMI2020A (control unit)	DA103365
Continental Automotive Technologies	NTG7Q MID LF2 (head unit)	DA105282
Continental Automotive Technologies	NTG7Q HIGH LF2 (head unit)	DA105282
Continental Automotive Technologies	NTG7Q PREMIUM LF2 (head unit)	DA105282
Harman Becker	HERMES 3.0 (communication module)	DB107091
HELLA	DM4 (locking system)	DA103365 N3308-22
Hirschmann	920287A (locking system)	DA103365

Manufacturer	Model designation	Radio equipment approval number
Hirschmann	920287B (locking system)	DA103365
Hirschmann	920702A (locking system)	DA105282
HUF	HUF13145 (locking system)	N2197-22
HUF Baolong	TSSRE4A (tyre pressure sensor)	DA30668
HUF Baolong	TSSSG4G6b (tyre pressure sensor)	DA28467
HUF	HUF14632 (locking system)	DA105282
HUF	HUF4761 (locking system)	DA103365
LEOPOLD KOSTAL	KK1 (locking system)	DA103365
MARQUARDT	DC12A (locking system)	DA103787
MARQUARDT	DC12B (locking system)	DA103365
MARQUARDT	DC12K (locking system)	DA103365
MARQUARDT	MS2 (locking system)	DA103787
MARQUARDT	MS4 (locking system)	DA103787
MARQUARDT	MS5 (locking system)	DB107091
MARQUARDT	MK1 (locking system)	DA103365
MARQUARDT	MK2 (locking system)	DA103365
MARQUARDT	MK3 (locking system)	DA103787
MARQUARDT	MU3 (locking system)	DA103787



Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	3350.38 (locking system)	DB107091
Meta System	ITS/TPS (interior protection)	DA103365
Meta System	MUW II (interior protection)	DA103365
Schrader	AG5SP4 (tyre pressure sensor)	DA103787
Schrader	AG3PF4 (tyre pressure sensor)	DA107968
Schrader	BG3FP4 (tyre pressure sensor)	DA103365
Schrader	GG4T (tyre pressure sensor)	DA105282
Schrader	DG6W2D4 (tyre pressure sensor)	DA105282
Veoneer	77GHz MMRV1 (radar sensor)	DA103365
Veoneer	77V12BSM (radar sensor)	DA103365
Veoneer	77V12CRN (radar sensor)	DA103365
Veoneer	77V125CRN (radar sensor)	DA103365
Visteo	HFA30 (Handsfree-Access)	N4949-23
WITTE-Velbert	SDHTAG3NFC (locking system)	DA107248

SOUTH AFRICA

REGULATORY RADIO IDENTIFIERS

Manufacturer	Model designation	Radio equipment approval number
ADC	ARS4-A (radar sensor)	TA-2014/1637
ADC	ARS6-A (radar sensor)	TA-2022/1837
ADC	ARS4-C (radar sensor)	TA-2019/1595
Bosch	FR5CPCCF (radar sensor)	TA-2019/1200
Bosch	MRR1Rear (radar sensor)	TA-2014/212
Bosch	MRRe14FCR (radar sensor)	TA-2017/2013
Bosch	LRR3 (radar sensor)	TA-2009/464
Bosch	F5CP12 (radar sensor)	TA-2022/0153
Continental Antenna	RKE213E1 (aerial amplifier)	TA-2015/1438
Continental Antenna	RKE223E1 (aerial amplifier)	TA-2020/043
Continental Automotive	CMKG1 (locking system)	TA-2019/5405
Continental Automotive	CMKG2 (locking system)	TA-2022/3611_CMKG2
Continental Automotive	MARS Keyless (locking system)	TA-2016/3500
Continental Automotive	UWBTRX1 (locking system)	TA-2021/3460
Continental Automotive Technologies	NTG7Q MID LF2 (head unit)	TA-2023/0091





	Manufacturer	Model designation	Radio equipment approval number
Continental Automotive Technologies	NTG7Q HIGH LF2 (head unit)	TA-2023/0111	
Continental Automotive Technologies	NTG7Q PREMIUM LF2 (head unit)	TA-2023/0090	
Gentex	MUAHL 5 (convenience system)	TA-2015/1386	
HELLA	DM4 (locking system)	TA-2017/2518	
Hirschmann	920287A (locking system)	TA-2011/374	
Hirschmann	920287B (locking system)	TA-2013/1262	
Hirschmann	920702A (locking system)	TA-2022/0162	
Huf Baolong	TSSRE4A (tyre pressure sensor)	TA-2017/1393	
Huf Baolong	TSSSG4G6b (tyre pressure sensor)	TA-2019/1440	
HUF	HUF13145 (locking system)	TA-2022/0375	
HUF	HUF14632 (locking system)	TA-2015/1077	
HUF	HUF4761 (locking system)	TA-2012/1543	
LEOPOLD KOSTAL	KK1 (locking system)	TA-2015/595	
Meta System	ITS Master (interior protection)	TA-2011/1636	
Meta System	ITS Sensor (interior protection)	TA-2011/1227	

	Manufacturer	Model designation	Radio equipment approval number
Meta System	MUW II (interior protection)	TA-2019/261	
MARQUARDT	DC12A (locking system)	TA-2017/312	
MARQUARDT	DC12B (locking system)	TA-2011/370	
MARQUARDT	DC12K (locking system)	TA-2012/1542	
MARQUARDT	MS2 (locking system)	TA-2016/3314	
MARQUARDT	MS4 (locking system)	TA-2019/843	
MARQUARDT	MS5 (locking system)	TA-2020/5765	
MARQUARDT	MK1 (locking system)	TA-2015/179	
MARQUARDT	MK2 (locking system)	TA-2015/180	
MARQUARDT	MU3 (locking system)	TA-2023/1835	
MARQUARDT	3350.38 (locking system)	TA-2018/3985	
Schrader	AG5SP4 (tyre pressure sensor)	TA-2015/072	
Schrader	AG3PF4 (tyre pressure sensor)	TA-2019-133	
Schrader	BG3FP4 (tyre pressure sensor)	TA-2020/7731	
Schrader	MFR (tyre pressure monitor control unit)	TA-2019/273	
Schrader	MFR3 (tyre pressure monitor control unit)	TA-2019-273	





Manufacturer	Model designation	Radio equipment approval number
Schrader	GG4T (tyre pressure sensor)	TA-2017/3884
Schrader	DG6W2D4 (tyre pressure sensor)	TA-2017/2933
Schrader	MC34MA4 (tyre pressure monitor control unit)	TA-2011/1370
Veoneer	77GHz MMRV1 (radar sensor)	TA-2015/2087
Veoneer	77V12BSM (radar sensor)	TA-2019/1380
Veoneer	77V12CRN (radar sensor)	TA-2019/1382
Veoneer	77V125CRN (radar sensor)	TA-2021/0150
Visteo	HFA30 (Handsfree-Access)	TA-2023/2469
WITTE-Velbert	SDHTAG3NFC (locking system)	TA-2020/055

SOUTH KOREA

REGULATORY RADIO IDENTIFIERS



Manufacturer	Model designation	Radio equipment approval number
Continental Antenna	RKE223E1 (aerial amplifier)	R-C-Ca3-RKE223E1
Continental Automotive	CMKG2 (locking system)	R-R-TeH-CMKG2



Manufacturer	Model designation	Radio equipment approval number
Continental Automotive Technologies	NTG7Q LF2 (head unit)	R-R-TeH- NTG7QLF2
Huf Baolong	TSSRE4A (tyre pressure sensor)	R-CRM-HHFTSSRE4A
Huf Baolong	TSSSG4G6 (tyre pressure monitor control unit)	R-REM-HHFTSSG4G6
HUF	HUF14632 (locking system)	MSIP-CRM-HHF-HUF-14632
Schrader	MFR (tyre pressure monitor control unit)	MSIP-REM-SRD-MFR
Schrader	MFR3 (tyre pressure monitor control unit)	KCC R-R-SRD-MFR3A
Schrader	MC34MA4 (tyre pressure monitor control unit)	KCC-REM-SRD-MRXMLC34MA4
Schrader	AG5SP4 (tyre pressure sensor)	MSIP-CRM-SRD-AG5SP4
Schrader	AG3PF4 (tyre pressure sensor)	R-C-SRD-AG3PF4
Schrader	BG3FP4 (tyre pressure sensor)	R-C-SRD-BG3FP4
Schrader	GG4T (tyre pressure sensor)	MSIP-CRM-SRD-GG4T
Schrader	DG6W2D4 (tyre pressure sensor)	R-CRM-SRD-DG6W2D4
Visteo	HFA30 (Handsfree-Access)	R-R-vT2-HFA30



**THAILAND****REGULATORY RADIO IDENTIFIERS**

Manufacturer	Model designation	Radio equipment approval number
Continental Automotive Technologies	NTG7Q PREMIUM LF2 (head unit)	130111-23-0132 

TOGO**REGULATORY RADIO IDENTIFIERS**

Manufacturer	Model designation	Radio equipment approval number
Continental Antenna	RKE223E1 (aerial amplifier)	No. 024/19
Continental Automotive	MARS Keyless (locking system)	No. 040/19
HELLA	DM4 (locking system)	No. 039/19
Hirschmann	920287A (locking system)	No. 089/19
Hirschmann	920287B (locking system)	No. 088/19
HUF	HUF4761 (locking system)	No. 041/19
LEOPOLD KOSTAL	KK1 (locking system)	No. 060/19
MARQUARDT	DC12A (locking system)	No. 055/19
MARQUARDT	DC12B (locking system)	No. 057/19
MARQUARDT	DC12K (locking system)	No. 056/19
MARQUARDT	MS2 (locking system)	No. 008/19
MARQUARDT	MS4 (locking system)	No. 101/19

Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	MK1 (locking system)	No. 021/19
MARQUARDT	MK2 (locking system)	No. 022/19
MARQUARDT	3350.38 (locking system)	No. 016/20

UKRAINE**REGULATORY RADIO IDENTIFIERS**

Manufacturer	Model designation	Radio equipment approval number
ADC	ARS4-A (radar sensor)	UA RF: 1CONT0004
ADC	ARS6-A (radar sensor)	UA RF: 1CONT0013
Continental Antenna	RKE213E1 (aerial amplifier)	UKR.355-123/19
Continental Antenna	RKE223E1GNS (aerial amplifier)	UA.R.TR.052.682-19
Continental Automotive	CMKG1 (locking system)	UA1.001.021175-20-TE
Continental Automotive	CMKG2 (locking system)	UA.032.CT.0105-23
Continental Automotive	MARS Keyless (locking system)	RTS.UKR.355-34/18
Continental Automotive Technologies	NTG7Q MID LF2 (head unit)	UA.TR.052
Continental Automotive Technologies	NTG7Q HIGH LF2 (head unit)	UA.TR.052



Manufacturer	Model designation	Radio equipment approval number
Continental Automotive Technologies	NTG7Q PREMIUM LF2 (head unit)	UA.TR.052
HELLA	DM4 (locking system)	UA.TR.109
Hirschmann	920287A (locking system)	UKR.355-7/20
Hirschmann	920287B (locking system)	UKR.355-8/20
Huf Baolong	TSSRE4A (tyre pressure sensor)	UA.1.001.018568-19-TE
Huf Baolong	TSSSG4G6b (tyre pressure monitor control unit)	UA.1.001.019289-19-TE
HUF	HUF13145 (locking system)	UKR.355-113/19
HUF	HUF14632 (locking system)	UKR.355-113/19
HUF	HUF4761 (locking system)	UA.1.001.018653-19-TE
LEOPOLD KOSTAL	KK1 (locking system)	10094.006682-19
MARQUARDT	DC12A (locking system)	UA.R.TR.052.307-19
MARQUARDT	DC12B (locking system)	UA.R.TR.052.308-19
MARQUARDT	DC12K (locking system)	UA.R.TR.052.309-19
MARQUARDT	MS2 (locking system)	UA.1.001.019129-19-TE
MARQUARDT	MS4 (locking system)	UA.R.TR.052.528-19
MARQUARDT	MS5 (locking system)	632.16-CET

Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	MK1 (locking system)	UA.1.001.019233-19-TE
MARQUARDT	MK2 (locking system)	UA.1.001.019234-19-TE
MARQUARDT	MK3 (locking system)	UA.TR.001.0355.30.01316-23
MARQUARDT	MU3 (locking system)	UA.TR.001.0355.30.01276-23
MARQUARDT	3350.38 (locking system)	UA.1.001.018888-19-TE
Schrader	AG5SP4 (tyre pressure sensor)	UA.TR.032
Schrader	AG3PF4 (tyre pressure sensor)	UA-TR-001
Schrader	BG3FP4 (tyre pressure sensor)	UA-TR-109
Schrader	GG4T (tyre pressure sensor)	UA.TR.028
Schrader	DG6W2D4 (tyre pressure sensor)	UA.TR.028
WITTE-Velbert	SDHTAG3NFC (locking system)	UA.R.TR.052.120-20





UZBEKISTAN

REGULATORY RADIO IDENTIFIERS

Manufacturer	Model designation
Continental Automotive	RKE213E1 (aerial amplifier)
Continental Automotive	RKE223E1GNS (aerial amplifier)
Continental Automotive	CMKG1 (locking system)
Continental Automotive	CMKG2 (locking system)
Continental Automotive	MARS Keyless (locking system)
HELLA	DM4 (locking system)
Hirschmann	920287A (locking system)
Hirschmann	920287B (locking system)
Hirschmann	920702A (locking system)
HUF	HUF13145 (locking system)
LEOPOLD KOSTAL	KK1 (locking system)
MARQUARDT	DC12A (locking system)
MARQUARDT	DC12B (locking system)
MARQUARDT	DC12K (locking system)
MARQUARDT	MS2 (locking system)
MARQUARDT	MS4 (locking system)
MARQUARDT	MS5 (locking system)

Manufacturer	Model designation
MARQUARDT	MS7 (locking system)
MARQUARDT	MK1 (locking system)
MARQUARDT	MK2 (locking system)
MARQUARDT	MK3 (locking system)
MARQUARDT	MU3 (locking system)
MARQUARDT	3350.38 (locking system)
MARQUARDT	MUB1 (locking system)
Visteo	HFA30 (Handsfree-Access)
Valeo	ARTEMIS-SUB-01 (locking system)
WITTE-Velbert	SDHTAG3NFC (locking system)

UNITED ARAB EMIRATES

TDRA | هيئة تنظيم الاتصالات والحكومة الرقمية
TELECOMMUNICATIONS AND DIGITAL GOVERNMENT REGULATORY AUTHORITY





REGULATORY RADIO IDENTIFIERS

Manufacturer	Model designation	Radio equipment approval number
ADC	ARS4-A (radar sensor)	TA RTTE: Er558296/17, DA40068/15 
ADC	ARS4-C (radar sensor)	TA RTTE: ER77062/19, DA40068/15 
Bosch	FR5CPCCF (radar sensor)	TA RTTE: ER74533/19, DA36758/14 
Bosch	NRCS2P (radar sensor)	TA RTTE: ER88778/20, DA36758/14 
Continental Antenna	RKE213E1 (aerial amplifier)	TRA ER64693/18, DA65993/17
Continental Antenna	RKE223E1GNS (aerial amplifier)	TRA ER76442/19, DA65993/17
Continental Automotive	CMKG1 (locking system)	TRA ER77964/20, DA0018994/09
Continental Automotive	CMKG2 (locking system)	TRA ER17713/23, DA36975/14 
Continental Automotive	MARS Keyless (locking system)	TRA ER56005/17, DA44932/15

Manufacturer	Model designation	Radio equipment approval number
Continental Automotive	UWBTRX1 (locking system)	TRA ER11321/22, DA36975/14
Continental Automotive Technologies	NTG7Q MID LF2 (head unit)	TDRA ER17731/23, DA76163/18 
Continental Automotive Technologies	NTG7Q HIGH LF2 (head unit)	TDRA ER17730/23, DA76163/18 
Continental Automotive Technologies	NTG7Q PREMIUM LF2 (head unit)	TDRA ER17732/23, DA76163/18 
Gentex	MUAHL 5 (convenience system)	TRA ER41849/15, DA35176/14
Harman Becker	HERMES 3.0 (communication module)	TRA ER03601/21, DA0028019/10 
HELLA	DM4 (locking system)	TRA ER56616/17, DA44932/15
Hirschmann	920287A (locking system)	TRA ER52213/17, DA35219/14
Hirschmann	920287B (locking system)	TRA ER42011/15, DA35219/14
Hirschmann	920702A (locking system)	TRA ER10723/22, DA35219/14





Manufacturer	Model designation	Radio equipment approval number
Huf Baolong	TSSRE4A (tyre pressure sensor)	TRA ER57806/17, DA36976/14
Huf Baolong	TSSSG4G6b (tyre pressure monitor control unit)	TRA ER7307/19, DA0086237/12
HUF	HUF13145 (locking system)	TRA ER08607/22, DA36976/14
HUF	HUF14632 (locking system)	TRA ER63716/18, DA36976/14
HUF	HUF4761 (locking system)	TRA ER55496/17, DA36976/14
HUF	HUF13145 (locking system)	TRA ER08607/22 DA36976/14
LEOPOLD KOSTAL	KK1 (locking system)	TRA ER62622/18, DA0105247/13
MARQUARDT	DC12A (locking system)	TRA ER53465/17, DA0018994/09
MARQUARDT	DC12B (locking system)	TRA ER0067828/11, DA0018994/09
MARQUARDT	DC12K (locking system)	TRA ER0067829/11, DA0018994/09
MARQUARDT	MS2 (locking system)	TRA ER52668/17, DA0018994/09
MARQUARDT	MS4 (locking system)	TRA ER71616/19, DA0018994/09

Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	MS5 (locking system)	TRA ER80720/20, DA0018994/09
MARQUARDT	MS7 (locking system)	TRA ER29729/24, DA0018994/09
MARQUARDT	MK1 (locking system)	TRA ER64145/18, DA0018994/09
MARQUARDT	MK2 (locking system)	TRA ER64146/18, DA0018994/09
MARQUARDT	MK3 (locking system)	TRA ER26811/23, DA0018994/09
MARQUARDT	MU3 (locking system)	TRA ER25917/23, DA0018994/09
MARQUARDT	MUB1 (locking system)	TRA ER29344/24, DA0018994/09
MARQUARDT	MU3 (locking system)	TRA ER25917/23, DA0018994/09
Schrader	AG5SP4 (tyre pressure sensor)	TRA ER37156/15, DA0047074/10
Schrader	AG3PF4 (tyre pressure sensor)	TRA ER70533/19, DA0047074/10
Schrader	BG3FP4 (tyre pressure sensor)	TRA ER96175/21, DA0047074/10
Schrader	GG4T (tyre pressure sensor)	TRA ER57985/17, DA0047074/10
Schrader	DG6W2D4 (tyre pressure sensor)	TRA ER960528/18, DA0047074/10





Manufacturer	Model designation	Radio equipment approval number
Schrader	MC34MA4 (tyre pressure monitor control unit)	TRA ER37066/15, DA0047074/10
Sennheiser	M3IETW2L (Earbud)	ER78231/20
Sennheiser	BT1100 (Bluetooth Audio Transmitter)	ER64728/18
Veoneer	77GHz MMRV1 (radar sensor)	TA RTTE: ER96352/21; 0020858/10 
Veoneer	77V12BSM (radar sensor)	TA RTTE: ER72324/19; 0020858/10 
Veoneer	77V12CRN (radar sensor)	TA RTTE: ER72323/19; 0020858/10 
Veoneer	77V125CRN (radar sensor)	TA RTTE: ER95775/21; 0020858/10 
Visteo	HFA30 (Handsfree-Access)	TRA ER25428/23
WITTE-Velbert	SDHTAG3NFC (locking system)	TRA ER79695/20, DA0018994/09

UNITED KINGDOM

REGULATORY RADIO IDENTIFIERS

UKCA	Manufacturer	Model designation
ADC		ARS4-A (radar sensor)
Continental Antenna		RKE213E1 (aerial amplifier)
Continental Antenna		RKE223E1GNS (aerial amplifier)
Continental Automotive		CMKG1 (locking system)
Continental Automotive		CMKG2 (locking system)
Continental Automotive		MARS Keyless (locking system)
Continental Automotive		UWBTRX1 (locking system)
Continental Automotive Technologies		NTG7Q MID LF2 (head unit)
Continental Automotive Technologies		NTG7Q HIGH LF2 (head unit)
Continental Automotive Technologies		NTG7Q PREMIUM LF2 (head unit)
HUF		HUF13145 (locking system)
Huf Baolong		TSSRE4A (tyre pressure sensor)
HELLA		DM4 (locking system)
Hirschmann		920287A (locking system)
Hirschmann		920287B (locking system)
Hirschmann		920702A (locking system)
LEOPOLD KOSTAL		KK1 (locking system)

UK
CA

Manufacturer	Model designation
MARQUARDT	DC12B (locking system)
MARQUARDT	DC12K (locking system)
MARQUARDT	MK1 (locking system)
MARQUARDT	MK2 (locking system)
MARQUARDT	MK3 (locking system)
MARQUARDT	MU3 (locking system)
MARQUARDT	MS2 (locking system)
MARQUARDT	MS4 (locking system)
MARQUARDT	MS5 (locking system)
MARQUARDT	MS7 (locking system)
MARQUARDT	3350.38 (locking system)
MARQUARDT	MUB1 (locking system)
Schrader	AG5SP4 (tyre pressure sensor)
Schrader	AG3PF4 (tyre pressure sensor)
Schrader	BG3FP4 (tyre pressure sensor)
Schrader	GG4T (tyre pressure sensor)
Schrader	DG6W2D4 (tyre pressure sensor)

UK
CA

Manufacturer	Model designation
Visteo	HFA30 (Handsfree-Access)
WITTE-Velbert	SDHTAG3NFC (locking system)

Further specific information

Charging unit for the wireless charging of mobile devices (WMI):

D-WMI2016A, D-WMI2017A, D-WMI2017B:

Restrictions or Requirements in the UK: A separation distance of at least 10 cm between all persons and the device must be provided at all times. The Device must not be co-located or operating in conjunction with any other antenna or transmitter.

D-WMI2020A:

Restrictions or Requirements in the UK: A separation distance of at least 0 cm between all persons and the device must be provided at all times. The Device must not be co-located or operating in conjunction with any other antenna or transmitter.

UNITED STATES

REGULATORY RADIO IDENTIFIERS

Manufacturer	Model designation	Radio equipment approval number
Continental Automotive	CMKG2 (locking system)	FCC ID: KR5CMKG2
Continental Automotive Technologies	NTG7Q MID LF2 (head unit)	FCC ID: NTG7QMIDLF2



Manufacturer	Model designation	Radio equipment approval number
Continental Automotive Technologies	NTG7Q HIGH LF2 (head unit)	FCC ID: NTG7QHIGLF2
Continental Automotive Technologies	NTG7Q PREMIUM LF2 (head unit)	FCC ID: NTG7QPREF2
HUF	HUF13145 (locking system)	FCC ID: YGOHUF13145
Sennheiser	M3IETW2R (Earbud)	FCC ID: DMOM3IETW2R
Sennheiser	M3IETW2L (Earbud)	FCC ID: DMOM3IETW2L
Sennheiser	BTT100 (Bluetooth Audio Transmitter)	FCC ID: DMOBTT100
Visteo	HFA30 (Handsfree-Access)	FCC ID: 2A6TC-HFA30
WITTE-Velbert	SDHTAG3NFC (locking system)	FCC ID: DMOBTT100

Information on installation clearances

Charging unit for the wireless charging of mobile devices (WMI):

The charging unit for wireless charging of mobile devices (WMI) complies with FCC and IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 0 cm (in contact) between the source of radiation and your body. This transmitter must not be placed in the same location as or used at the same time as another transmitter or antenna.

Rear Seat Entertainment System:

USA: "This device complies with part 15 of the FCC Rules and Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two

conditions: (1) This device must not cause any harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device must be installed and used at a distance of at least 6 cm from the body."

Canada: "This device complies with ISED Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) This device must not cause interference, and (2) this device must accept any interference received, including interference that may cause undesired operation of the device.

This equipment complies with ISED radiation exposure limits established for an uncontrolled environment. This equipment must be installed and operated with a minimum distance of 5 cm between the radiation source and your body."

Radar sensors:

ARS4-C (ADC), ARS4-B (ADC), ARS4-A (ADC), FR5CPCCF (Bosch), MRR1REAR (Bosch), MRREVO14F (Bosch), LRR3 (Bosch), 77V12BSM (Veoneer), 77V12CRN (Veoneer), MMRV1 (Veoneer)

USA only: Information on exposure to high-frequency radiation:

This equipment complies with FCC radiation exposure limits established for an uncontrolled environment. This equipment must be installed and operated with a minimum distance of 20 cm between the radiation source and your body.

This transmitter must not be placed in the same location as or used at the same time as another antenna or transmitter.





Canada only: This equipment should be installed and operated with a minimum distance of 20 cm between the radiation source and your body.

BT Audio Transmitter (BTT100):

This equipment complies with FCC and IC radiation exposure limits established for an uncontrolled environment. This equipment must be installed and operated with a minimum distance of 9 cm between the radiation source and your body.

This transmitter must not be placed in the same location as or used at the same time as another antenna or transmitter.

Infotainment system head unit (NTG7Q):

For USA only: This equipment complies with FCC and ISED radiation exposure limits established for an uncontrolled environment, the FCC guidelines for RF exposure and RSS standard 102 of the ISED guidelines for RF exposure. This equipment must be installed and operated with a minimum distance of 20 cm between the radiation source and your body.

For Canada only: This equipment complies with FCC and ISED radiation exposure limits established for an uncontrolled environment, the FCC guidelines for RF exposure and RSS standard 102 of the ISED guidelines for RF exposure. This equipment must be installed and operated with a minimum distance of 20 cm between the radiation source and your body.

VIETNAM

REGULATORY RADIO IDENTIFIERS

	Manufacturer	Model designation	Radio equipment approval number
ADC		ARS4-A (radar sensor)	SUNTECH VN C00082015
ADC		ARS6-A (radar sensor)	SUNTECH VN C00082015
ADC		ARS4-C (radar sensor)	SUNTECH VN C00082015
Bosch		FR5CPCCF (radar sensor)	SUNTECH VN C00082015
Bosch		MRR1Rear (radar sensor)	SUNTECH VN C00082015
Bosch		MRRe14FCR (radar sensor)	SUNTECH VN C00082015
Continental Antenna		RKE213E1 (aerial amplifier)	Suntech Vietnam Technology Company Limited C0274151118AF04A2
Continental Antenna		RKE223E1GNS (aerial amplifier)	Suntech Vietnam Technology Company Limited B1522011121AF04A3
Continental Automotive		CMKG1 (locking system)	Suntech Vietnam Technology Company Limited C0001070120AF04A2





Manufacturer	Model designation	Radio equipment approval number
Continental Automotive	CMKG2 (locking system)	Mercedes-Benz Vietnam Company Limited C0104060423AF04A3
Continental Automotive	MARS Keyless (locking system)	Mercedes-Benz Vietnam Company Limited B0748240419AF04A2
HELLA	DM4 (locking system)	Mercedes-Benz Vietnam Company Limited CO204030321AF04A3
HELLA	RS6 (locking system)	SUNTECH VN C00082015
Hirschmann	920702A (locking system)	Mercedes-Benz Vietnam Company Limited B0424070422AF04A3
Huf Baolong	TSSRE4A (tyre pressure sensor)	C0112200717AF04A2
HUF	HUF13145 (tyre pressure sensor)	C1071050922AF04A3
LEOPOLD KOSTAL	KK1 (locking system)	Mercedes-Benz Vietnam Company Limited C0313140421AF0403
MARQUARDT	DC12A (locking system)	Suntech Vietnam Technology Company Limited C0208030321AF04A3

Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	DC12B (locking system)	Suntech Vietnam Technology Company Limited C0076210121AF04A3
MARQUARDT	DC12K (locking system)	Suntech Vietnam Technology Company Limited C0077210121AF04A3
MARQUARDT	MS2 (locking system)	Suntech Vietnam Technology Company Limited C0075210121AF04A3
MARQUARDT	MS4 (locking system)	Suntech Vietnam Technology Company Limited C0913110821AF04A3
MARQUARDT	MS5 (locking system)	Suntech Vietnam Technology Company Limited C0141140520AF04A2
MARQUARDT	MK1 (locking system)	Suntech Vietnam Technology Company Limited C0049150121AF04A3
MARQUARDT	MK2 (locking system)	Suntech Vietnam Technology Company Limited C0050150121AF04A3
MARQUARDT	MU3 (locking system)	CÔNG TY TNHH MERCEDES-BENZ Mercedes-Benz Vietnam Company Limited C0547201223AF04A3



Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	3350.38 (locking system)	Suntech Vietnam Technology Company Limited C0131030221AF04A3
Schrader	AG5SP4 (tyre pressure sensor)	Suntech Vietnam Technology Company Limited C0002050119AF042A
Schrader	AG3PF4 (tyre pressure sensor)	Suntech Vietnam Technology Company Limited C0120220519AF04A2
Schrader	GG4T (tyre pressure sensor)	Suntech Vietnam Technology Company Limited C0170191017AF04A2
Schrader	DG6W2D4 (tyre pressure sensor)	Suntech Vietnam Technology Company Limited C0078070518AF04A2
Veoneer	77GHz MMRV1 (radar sensor)	Mercedes-Benz Vietnam Company Limited
Veoneer	77V12BSM (radar sensor)	Mercedes-Benz Vietnam Company Limited
Veoneer	77V12CRN (radar sensor)	Mercedes-Benz Vietnam Company Limited



Manufacturer	Model designation	Radio equipment approval number
Veoneer	77V125CRN (radar sensor)	Mercedes-Benz Vietnam Company Limited
WITTE-Velbert	SDHTAG3NFC (locking system)	Mercedes-Benz Vietnam Company Limited A0847130820AF04A3

Information about the specific absorption rate (SAR)

INFORMATION ABOUT THE SPECIFIC ABSORPTION RATE

The values have been determined and tested in accordance with the Décret n° 2019-1186 guideline regarding the indication of the specific absorption rate (SAR) of wireless vehicle components.

Further information and updates are available at the following web address:

<https://regulatoryradioinformation.corpinter.net/en>





INFORMATION ABOUT THE SPECIFIC ABSORPTION RATE

Vehicle components	SAR value in W/kg	Applicable limit value
ECE DE003 & ECE DE004 compensators	< 0.2 W/kg	2 W/kg
DAI RSE	1.8 W/kg	2 W/kg
D-WMI2020A	0.018 W/kg	4 W/kg
HERMES communication module	< 0.4 W/kg	2 W/kg
RAMSES communication module	0.036 W/kg	2 W/kg
NRCS2P	0.003 W/kg	2 W/kg
NTG6	0.199 W/kg	4 W/kg
NTG7	0.08 W/kg	2 W/kg
NTG7RSU	0.07 W/kg	2 W/kg
Gen20x.i2 LS3+	2.2 W/kg	4 W/kg
Gen20x.i2 LS4+	2.5 W/kg	4 W/kg
SM-T230NZ tablet PC	0.7 W/kg	4 W/kg
Radio data transmission telephone system	0.24 W/kg	2 W/kg

Importer information for regulatory radio components

FOR VIETNAM ONLY:

Importer

Mercedes-Benz Vietnam Company Limited

693 Quang Trung Road, Ward 8

Go Vap District

Ho Chi Minh City

Further information and updates are available at the following web address:

<https://regulatoryradioinformation.corpinter.net/en>

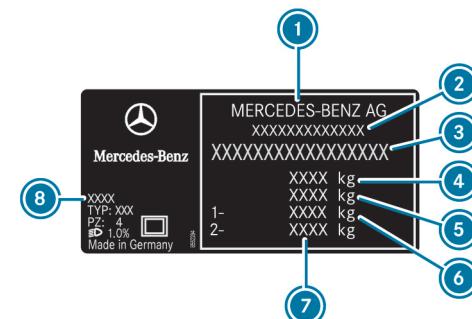
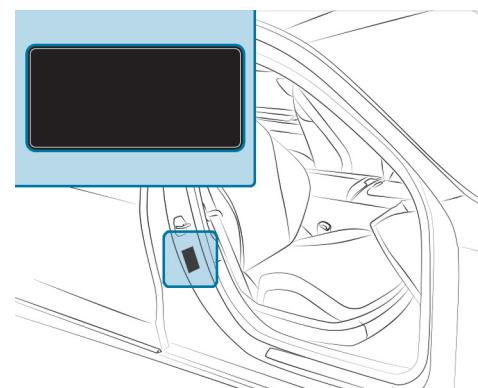






< Overview of vehicle identification plate, VIN and engine number

VEHICLE IDENTIFICATION PLATE

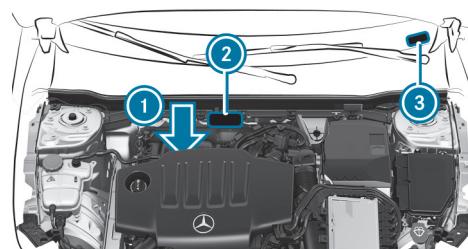


- ① Vehicle manufacturer
- ② EU operating permit number (for certain countries only)
- ③ VIN (vehicle identification number)

- ④ Permissible gross mass (kg)
- ⑤ Permissible gross mass of vehicle combination (kg) (for certain countries only)
- ⑥ Maximum permissible front axle load (kg)
- ⑦ Maximum permissible rear axle load (kg)
- ⑧ Paint code

i The data in the illustration is shown as an example.

VIN AND ENGINE NUMBER



- ① Engine number stamped onto the crankcase
- ② VIN (vehicle identification number) stamped onto the crossmember
- ③ VIN (vehicle identification number) as a label at the lower edge of the windscreen

For certain countries only: the VIN as a label at the lower edge of windscreen ③ is only available in certain countries. More detailed information can be obtained at a qualified specialist workshop.



< Operating fluids

Notes on operating fluids

WARNING

Risk of injury due to harmful operating fluids

Operating fluids can be toxic.

- ▶ When using, storing and disposing of operating fluids, observe the imprints on the respective original containers.
- ▶ Always keep operating fluids in the sealed original container.
- ▶ Always keep children away from operating fluids.

ENVIRONMENTAL NOTE

Pollution of the environment due to irresponsible disposal of operating fluids

Incorrect disposal of operating fluids can cause considerable damage to the environment.

- ▶ Dispose of operating fluids in an environmentally responsible manner.

OPERATING FLUIDS INCLUDE THE FOLLOWING:

- DeNOx agent AdBlue® for exhaust gas aftertreatment
- lubricants
- coolant
- brake fluid
- windscreen washer fluid
- climate control system refrigerant

Only use products approved by Mercedes-Benz. Damage to the vehicle caused by the use of products that have not been approved is not covered by the Mercedes-Benz warranty or goodwill gestures.

The operating fluids approved by Mercedes-Benz can be identified by the following labels on the container:

- MB-Freigabe (e.g. MB-Freigabe 229.51)
- MB-Approval (e.g. MB-Approval 229.51)

FURTHER INFORMATION ON APPROVED OPERATING FLUIDS:

- in the Mercedes-Benz Specifications for Operating Fluids in accordance with the details on the label
 - at <https://operatingfluids.mercedes-benz.com>
- at a qualified specialist workshop

- fuels



**⚠ WARNING**

Risk of fire or explosion from fuel

Fuels are highly flammable.

- ▶ Fire, naked flames, smoking and creating sparks must be avoided.
- ▶ Before and during refuelling, switch off the vehicle and, if fitted, the stationary heater.

⚠ WARNING

Risk of injury from fuels

Fuels are poisonous and hazardous to your health.

- ▶ Do not swallow fuel or let it come into contact with skin, eyes or clothing.
- ▶ Do not inhale fuel vapour.
- ▶ Keep children away from fuel.
- ▶ Keep doors and windows closed during the refuelling process.

If you or other people come into contact with fuel, observe the following:

- ▶ Immediately rinse fuel off your skin with soap and water.
- ▶ If fuel comes into contact with your eyes, immediately rinse them thoroughly with clean water. Seek medical attention immediately.
- ▶ If you swallow fuel, seek medical attention immediately. Do not induce vomiting.
- ▶ Change immediately out of clothing that has come into contact with fuel.

FLEXIBLE-FUEL VEHICLES CAN BE REFUELLED WITH THE FOLLOWING FUEL TYPES:

- unleaded premium-grade gasoline
- E85 fuel





- a mixture of E85 fuel and unleaded premium-grade gasoline

Flexible-fuel vehicles can be identified by the **Ethanol up to E85** sticker on the inside of the fuel filler flap.

Depending on the respective country of use, the fuels you can use in your vehicle may differ from the information in the Owner's Manual. The fuels that have been approved for your vehicle can be found on the information label on the inside of the fuel filler flap.

Fuel

INFORMATION ON FUEL QUALITY FOR VEHICLES WITH PETROL ENGINES

Observe the notes on operating fluids (→ page 750).

NOTE

Damage caused by the wrong fuel

Even small amounts of the wrong fuel could result in damage to the fuel system, the engine and the emission control system.

- ▶ Refuel only with unleaded, sulphur-free spark-ignition engine fuel.

Spark ignition engine fuel can contain up to 25% ethanol by volume.

- ▶ See the information label in fuel filler flap for compatible fuels.

Further information about compatible fuels can be obtained at a qualified specialist workshop.

Throughout Europe you can also find the compatibility labels on the fuel pump or pump nozzle suitable for your vehicle.

NEVER REFUEL WITH ANY OF THE FOLLOWING FUELS:

- Diesel
- Regular petrol with an octane number lower than 91 RON
- Petrol with more than 3% methanol by volume, e.g. M15, M30
- Petrol with metallic additives

If you have accidentally refuelled with the wrong fuel:

- ▶ Do not switch on the vehicle.
- ▶ Consult a qualified specialist workshop.





The following compatibility marks for fuel may apply to your vehicle:



- ① For petrol with a maximum of 5% ethanol by volume
- ② For petrol with a maximum of 10% ethanol by volume
- ③ For petrol with a maximum of 25% ethanol by volume

If the available fuel is not sufficiently low in sulphur, it may produce unpleasant odours.

The recommended octane number for your vehicle can be found on the information label on the inside of the fuel filler flap.

The recommended octane number can be found on the information label on the inside of the fuel filler flap (→ page 35).

If the recommended fuel is not available, you may also temporarily use regular unleaded petrol with an octane number of at least 91 RON. This may reduce engine output and increase fuel consumption.

Never refuel using petrol with an even lower RON.

Further information on fuel can be obtained at a filling station or a qualified specialist workshop.

INFORMATION ON FUEL QUALITY FOR MERCEDES-AMG VEHICLES

Observe the notes on operating fluids (→ page 750).

! NOTE

Damage caused by the wrong fuel

Even small amounts of the wrong fuel could result in damage to the fuel system, the engine and the emission control system.

- ▶ Refuel only with unleaded, sulphur-free spark-ignition engine fuel.

Spark ignition engine fuel can contain up to 25% ethanol by volume.

- ▶ See the information label in fuel filler flap for compatible fuels.

Further information about compatible fuels can be obtained at a qualified specialist workshop.

Throughout Europe you can also find the compatibility labels on the fuel pump or pump nozzle suitable for your vehicle.

NEVER REFUEL WITH ANY OF THE FOLLOWING FUELS:

- Diesel
- Regular petrol with an octane number lower than 91 RON
- Petrol with more than 3% methanol by volume, e.g. M15, M30
- Petrol with metallic additives

If you have accidentally refuelled with the wrong fuel:

- ▶ Do not switch on the vehicle.
- ▶ Consult a qualified specialist workshop.



The following compatibility marks for fuel may apply to your vehicle:



- ① For petrol with a maximum of 5% ethanol by volume
- ② For petrol with a maximum of 10% ethanol by volume
- ③ For petrol with a maximum of 25% ethanol by volume

If the available fuel is not sufficiently low in sulphur, it may produce unpleasant odours.

The recommended octane number can be found on the information label on the inside of the fuel filler flap (→ page 35).

For maximum engine output: refuel only with super unleaded petrol with an octane number of at least 98 RON. Alternatively, you can also refuel using premium-grade unleaded petrol with an octane number of at least 95 RON.

In exceptional cases, if the recommended fuel is not available, you may also use regular unleaded petrol with an octane number of at least 91 RON. This may reduce engine output and increase fuel consumption.

Never refuel using petrol with an even lower RON.

Further information on fuel can be obtained at a filling station or a qualified specialist workshop.

INFORMATION ON ADDITIVES IN PETROL (VEHICLES WITH PETROL ENGINE)

Observe the notes on operating fluids (→ page 750).

! NOTE

Damage from use of unsuitable additives

Even small amounts of the wrong additive may lead to malfunctions occurring.

- ▶ Only add cleaning additives recommended by Mercedes-Benz to the fuel.

Mercedes-Benz recommends that you use brand-name fuels with additives.

In some countries, the fuel available may not have sufficient additives. Deposits could build up in the fuel injection system as a result. In this case, in consultation with a qualified specialist workshop (e.g. a Mercedes-Benz service centre), mix the fuel with the cleaning additive recommended by Mercedes-Benz. Observe the notes and mixing ratios indicated on the tank.

NOTES ON FUEL QUALITY FOR VEHICLES WITH DIESEL ENGINES

GENERAL NOTES

Observe the notes on operating fluids (→ page 750).

! WARNING

Risk of fire from fuel mixture

If you mix diesel fuel with petrol, the flash point of the fuel mixture is lower than that of pure diesel fuel.

- ▶ Never refuel using petrol in diesel engines.
- ▶ Never mix petrol with diesel fuel.



**! NOTE**

Damage caused by the wrong fuel

Even small amounts of the wrong fuel could result in damage to the fuel system, the engine and the emission control system.

Vehicles with diesel particulate filters:

- ▶ Refuel using only sulphur-free diesel fuel.
In countries without sulphur-free diesel fuel, refuel using only low-sulphur diesel fuel with a sulphur content of less than 50 ppm.

Vehicles without diesel particulate filters:

- ▶ Refuel using only diesel fuel with a sulphur content of less than 500 ppm.

NEVER REFUEL WITH ANY OF THE FOLLOWING FUELS:

- Petrol
- Marine diesel
- Heating oil
- Pure fatty acid methyl ester or vegetable oil
- Paraffin or kerosene

If you have accidentally refuelled with the wrong fuel:

- ▶ Do not switch on the vehicle.
- ▶ Consult a qualified specialist workshop.

! NOTE

Shorter maintenance intervals due to fuel with increased bio-contents

When fuels with increased bio-contents are used, fuel residues with increased separation volume may occur. If fuels with increased bio-contents (compatibility marks B10 and B20) are used on an ongoing basis, this may lead to shorter maintenance intervals for the fuel filter.

If the vehicle is not used for an extended period of time (several weeks):

- ▶ Refuel the vehicle beforehand with diesel fuel with bio-contents < 10% to avoid possible deposits of bio-contents in the fuel tank.

The following compatibility marks for fuel may apply to your vehicle:



- ① For diesel fuel with a maximum of 7% fatty acid methyl ester by volume (bio-diesel)
- ② For diesel fuel with a maximum of 10% fatty acid methyl ester by volume (bio-diesel)
- ③ For diesel fuel with a maximum of 20% fatty acid methyl ester by volume (bio-diesel)
- ④ For paraffinic diesel fuel



ACCORDING TO EUROPEAN STANDARD EN 16942, YOU CAN FIND THE COMPATIBILITY MARKS AT THE FOLLOWING LOCATIONS:

- On the vehicle, on the information label on the fuel filler flap
→ page 35)
- On the fuel dispensers or pump nozzles suitable for your vehicle throughout Europe

Further information on fuel can be obtained at a filling station or a qualified specialist workshop.

TANK CONTENT AND FUEL RESERVE

The total capacity of the fuel tank may vary depending on the vehicle equipment.

Not for plug-in hybrid:

TOTAL FUEL TANK CAPACITY

Model	
A 220 d	51.0 litres
A 220 4MATIC	
A 250 4MATIC	
All other models	43.0 litres

FUEL TANK RESERVE

Model	
All models	5.0 litres

Plug-in hybrid:

TOTAL FUEL TANK CAPACITY (PLUG-IN HYBRID)

Model	
A 250 e with EQ Hybrid technology	35.0 litres

FUEL TANK RESERVE (PLUG-IN HYBRID)

Model	
A 250 e with EQ Hybrid technology	5.0 litres

TANK CONTENT AND FUEL RESERVE (MERCEDES-AMG VEHICLES)

Missing values were not available by the editorial deadline.

TOTAL FUEL TANK CAPACITY

Model	
Mercedes-AMG A 35 4MATIC (Saloon and Compact Saloon)	51.0 l
Mercedes-AMG A 45 S 4MATIC+ (Compact Saloon)	

FUEL TANK RESERVE

Model	
Mercedes-AMG A 35 4MATIC (Saloon and Compact Saloon)	5.0 l
Mercedes-AMG A 45 S 4MATIC+ (Compact Saloon)	





AdBlue® (vehicles with a diesel engine only)

NOTES ON ADBLUE®

Observe the notes on operating fluids (→ page 750).

AdBlue® is a water-soluble fluid for the NOx exhaust gas aftertreatment of diesel engines.

It may be improper or punishable in some countries to operate a vehicle that uses no AdBlue® or one that does not comply with the specifications of this Owner's Manual.

! NOTE

Malfunctions due to the dilution of AdBlue® or the use of additive-enhanced AdBlue®

The function of the NOx exhaust gas aftertreatment can be impaired by the use of unsuitable denoxification agents.

- ▶ Only use AdBlue® in accordance with ISO 22241.
- ▶ Do not dilute AdBlue® with water.
- ▶ Do not use additive-enhanced AdBlue®.

! NOTE

Damage and malfunctions due to impurities in AdBlue®

CONSEQUENCES OF IMPURITIES IN ADBLUE®:

- increased emission values
 - damage to the catalytic converter
 - NOx exhaust gas aftertreatment malfunctions
- ▶ Avoid impurities in AdBlue®.

AdBlue® residues crystallise after a period of time, and contaminate the surfaces with which they come into contact. Clean the dirty surfaces with water as soon as possible.

When you open the AdBlue® tank, small amounts of ammonia vapour may escape. Do not inhale any ammonia vapours that may be released. Only fill the AdBlue® tank in well-ventilated areas.

ADBLUE® FILLING QUANTITY AND CONSUMPTION

TOTAL CAPACITY OF ADBLUE® TANK

Model	Total capacity
All models	23.8 litres

ADBLUE® CONSUMPTION

The average AdBlue® consumption is between 1% and 5% of fuel consumption. Like fuel consumption, AdBlue® consumption is highly dependent upon your driving style and the operating conditions. For this reason, your vehicle's actual consumption figures in day-to-day operating conditions may differ from the average consumption figures calculated. The frequency at which you will have to top up with AdBlue® will also vary. Have the AdBlue® supply checked at





a qualified specialist workshop before making journeys outside Europe. Before a longer stay outside Europe, consult a qualified specialist workshop.

ADBLUE® FILL LEVEL AND RANGE

The AdBlue® fill level and range can be displayed via the on-board computer. The AdBlue® range shown is highly dependent upon driving style and operating conditions. The actual range may therefore differ from the range currently displayed on the on-board computer. The information supplied in the Owner's Manual regarding the reserve quantity at the first display warning and the minimum top-up quantity when the fuel tank is empty is also to be understood as guide values.

Engine oil

NOTES ON ENGINE OIL

Observe the notes on operating fluids (→ page 750).



! NOTE

Engine damage caused by an incorrect oil filter, incorrect oil or additives

- ▶ Do not use engine oils or oil filters other than those which meet the specifications necessary for the prescribed service intervals.
- ▶ Do not alter the engine oil or oil filter in order to achieve longer change intervals than prescribed.
- ▶ Do not use additives.
- ▶ Have the engine oil changed after the prescribed intervals.

Mercedes-Benz recommends having the oil changed at a qualified specialist workshop.

Only use engine oils approved for your vehicle by Mercedes-Benz.

ENGINE OIL QUALITY AND FILLING QUANTITY

Not for plug-in hybrid:

ENGINE OIL SPECIFICATION (PETROL ENGINES)

Model	MB-Freigabe or MB-Approval
A180	229.71, 229.72, 229.81*
A200	
All other models	229.71, 229.72*





ENGINE OIL SPECIFICATION (DIESEL ENGINES)

Model	MB-Freigabe or MB-Approval
All models	229.52, 229.61, 229.71, 229.72*

* Recommended for the lowest possible fuel consumption (lowest SAE viscosity class in each case; observe possible restrictions of the approved SAE viscosity classes).

- If the engine oils listed in the table are not available, you may top up with a maximum of 1.0 l of the following engine oils once only:

Vehicles with petrol engines:

- A 180, A 200:** MB-Freigabe or MB-Approval 229.51, 229.52 or ACEA C5
- All other models:** MB-Freigabe or MB-Approval 229.51, 229.52, 229.61 or ACEA C5

Vehicles with diesel engines:

ACEA C3

Plug-in hybrid:

ENGINE OIL SPECIFICATION (PLUG-IN HYBRID)

Model	MB-Freigabe or MB-Approval
A 250 e with EQ hybrid technology	229.71, 229.72, 229.81*

* Recommended for the lowest possible fuel consumption (lowest SAE viscosity class in each case; observe possible restrictions of the approved SAE viscosity classes).

- If the engine oils listed in the table are not available, you may top up with a maximum of 1.0 l of engine oil with MB-Freigabe or MB-Approval 229.51, 229.52, 229.61 or ACEA C5 once only.

Not for plug-in hybrid:

ENGINE OIL FILLING QUANTITY

Model	Quantity
A180	5.1 litres
A200	
A 220 4MATIC	5.0 litres
A 250 4MATIC	
All other models	6.5 litres

Plug-in hybrid:

ENGINE OIL FILLING QUANTITY (PLUG-IN HYBRID)

Model	Quantity
A 250 e with EQ hybrid technology	4.5 litres

The specified filling quantity refers to an oil change with the oil filter.

ENGINE OIL QUALITY AND FILLING QUANTITY (MERCEDES-AMG VEHICLES)

Missing values were not available by the editorial deadline.





ENGINE OIL SPECIFICATION

Model	MB-Freigabe or MB-Approval
Mercedes-AMG A 35 4MATIC (Saloon)	229.71, 229.72*
Mercedes-AMG A 35 4MATIC (Compact Saloon)	
Mercedes-AMG A 45 S 4MATIC+ (Compact Saloon)	

* Recommended for the lowest possible fuel consumption (lowest SAE viscosity class in each case; observe possible restrictions of the approved SAE viscosity classes).

- ⓘ If the engine oils listed in the table are not available, you may top up with a maximum of 1.0 l of engine oil with MB-Freigabe or MB-Approval 229.51, 229.52, 229.61 or ACEA C5 once only.

- ⓘ Top up the oil level to the maximum before performing extreme changes of direction or using racetrack mode.

Missing values were not available by the editorial deadline.

ENGINE OIL FILLING QUANTITY

Model	Quantity
Mercedes-AMG A 35 4MATIC (Saloon)	5.0 litres
Mercedes-AMG A 35 4MATIC (Compact Saloon)	
Mercedes-AMG A 45 S 4MATIC+ (Compact Saloon)	

The specified filling quantity refers to an oil change with the oil filter.

Notes on brake fluid

Observe the notes on operating fluids (→ page 750).

WARNING

Risk of an accident due to vapour pockets forming in the brake system

The brake fluid constantly absorbs moisture from the air. This lowers the boiling point of the brake fluid. If the boiling point is too low, vapour pockets may form in the brake system when the brakes are applied hard.

This impairs the braking effect.

- ▶ Have the brake fluid renewed at the specified intervals.

Have the brake fluid regularly replaced at a qualified specialist workshop. Only use a brake fluid approved by Mercedes-Benz according to MB-Freigabe or MB-Approval 331.0.

Coolant

NOTES ON COOLANT

Observe the notes on operating fluids (→ page 750).



**⚠ WARNING**

Risk of fire- and injury from antifreeze

If antifreeze comes into contact with hot component parts in the engine compartment, it may ignite.

- ▶ Allow the engine to cool down before you top up the antifreeze.
- ▶ Make sure that no antifreeze spills out next to the filler opening.
- ▶ Thoroughly clean the antifreeze from component parts before starting the vehicle.

! NOTE

Damage caused by incorrect coolant

- ▶ Only use coolant that has been premixed with the required antifreeze protection.

INFORMATION ON COOLANT IS AVAILABLE AT THE FOLLOWING LOCATIONS:

- In the Mercedes-Benz Specification for Operating Fluids 320.1
 - At <https://operatingfluids.mercedes-benz.com>
- At a qualified specialist workshop

! NOTE

Overheating at high outside temperatures

If an inappropriate coolant is used, the cooling system is not sufficiently protected against overheating and corrosion at high outside temperatures.

- ▶ Only use coolant approved for Mercedes-Benz.
- ▶ Observe the instructions in the Mercedes-Benz Specifications for Operating Fluids 320.1.

Have the coolant regularly replaced at a qualified specialist workshop.

PROPORTION OF ANTIFREEZE CONCENTRATE IN THE COOLING SYSTEM:

- A minimum of 50% (antifreeze protection down to about -37°C)
- A maximum of 55% (antifreeze protection down to -45°C)

Notes on windscreen washer fluid

Observe the notes on operating fluids (→ page 750).

⚠ WARNING

- Risk of fire and injury due to windscreen washer concentrate

Windscreen washer concentrate is highly flammable. It could ignite if it comes into contact with hot engine component parts or the exhaust system.

- ▶ Make sure that no windscreen washer concentrate spills out next to the filler opening.

**! NOTE**

Damage to the exterior lighting due to unsuitable windscreen washer fluid

Unsuitable windscreen washer fluids may damage the plastic surface of the exterior lighting.

- ▶ Only use windscreen washer fluids which are also suitable for use on plastic surfaces, e.g. MB SummerFit or MB WinterFit.

! NOTE

Blocked spray nozzles caused by mixing windscreen washer fluids

- ▶ Do not mix MB SummerFit and MB WinterFit with other windscreen washer fluids.

Do not use distilled or de-ionised water. Otherwise, the fill level sensor may be triggered erroneously.

RECOMMENDED WINDSCREEN WASHER FLUID:

- above freezing point: e.g. MB SummerFit
- below freezing point: e.g. MB WinterFit

For the correct mixing ratio, refer to the information on the antifreeze container.

Mix washer fluid with windscreen washer fluid all year round.





< Vehicle data

Vehicle dimensions

THE HEIGHTS SPECIFIED MAY VARY AS A RESULT OF THE FOLLOWING FACTORS:

- Tyres
- Load
- Condition of the suspension
- Optional extras

Not for plug-in hybrid:

VEHICLE DIMENSIONS

All models

Vehicle length	4558 mm
Vehicle width including outside mirrors	1992 mm
Vehicle width excluding outside mirrors	1796 mm
Wheelbase	2729 mm

VEHICLE HEIGHT

Model

A 180 1429 mm

A 180 d

A 200 1429 mm

A 200 d or 1446 mm

A 250 4MATIC 1434 mm

or 1451 mm

All other models 1434 mm

Plug-in hybrid:

VEHICLE DIMENSIONS (PLUG-IN HYBRID)

A 250 e with EQ hybrid technology

Vehicle length 4558 mm

Vehicle width including outside mirrors 1992 mm

Vehicle width excluding outside mirrors 1796 mm

Vehicle height 1458 mm

Wheelbase 2729 mm

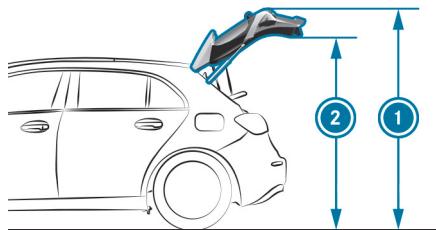




Vehicle dimensions (Mercedes-AMG vehicles)

THE HEIGHTS SPECIFIED MAY VARY AS A RESULT OF THE FOLLOWING FACTORS:

- Tyres
- Load
- Condition of the suspension
- Optional extras



Example (compact saloon)

- ① Height when open
② Headroom

HEADROOM, SALOON

Model	Headroom
Mercedes-AMG A 35 4MATIC	1556 mm

Missing values were not available by the editorial deadline.

HEIGHT WHEN OPEN AND HEADROOM, COMPACT SALOON

Model	Height when open	Headroom
Mercedes-AMG A 35 4MATIC	1958 mm	1810 mm
Mercedes-AMG A 45 S 4MATIC+		

VEHICLE DIMENSIONS, SALOON

Mercedes-AMG A 35 4MATIC (Saloon)	
Vehicle length	4570 mm
Vehicle width including outside mirrors	1992 mm
Vehicle width excluding outside mirrors	1797 mm
Vehicle height	1413 mm
Wheelbase	2729 mm

VEHICLE DIMENSIONS, COMPACT SALOON

Mercedes-AMG A 35 4MATIC (Compact Saloon)	
Vehicle length	4447 mm
Vehicle width including outside mirrors	1992 mm
Vehicle width excluding outside mirrors	1797 mm
Vehicle height	1407 mm
Wheelbase	2729 mm

Missing values were not available by the editorial deadline.



VEHICLE DIMENSIONS, COMPACT SALOON

Mercedes-AMG A 45 S 4MATIC+ (Compact Saloon)

Vehicle length

Vehicle width including outside mirrors

Vehicle width excluding outside mirrors

Vehicle height

Wheelbase

Weights and loads

PLEASE OBSERVE THE FOLLOWING NOTES FOR THE SPECIFIED VEHICLE DATA:

- Items of special equipment increase the kerb weight and reduce the payload.
- Vehicle-specific weight information can be found on the vehicle identification plate (→ page 749).

Not for plug-in hybrid:

ROOF LOAD

Model	Maximum roof load
All models	75 kg

Plug-in hybrid:

ROOF LOAD (PLUG-IN HYBRID)

Model	Maximum roof load
A 250 e with EQ hybrid technology	75 kg

Weights and loads (Mercedes-AMG vehicles)

PLEASE OBSERVE THE FOLLOWING NOTES FOR THE SPECIFIED VEHICLE DATA:

- Items of special equipment increase the kerb weight and reduce the payload.
- You will find vehicle-specific weight information on the vehicle identification plate (see the vehicle owner's manual).

Missing values were not available by the editorial deadline.

ROOF LOAD

Model	Maximum roof load
Mercedes-AMG A 35 4MATIC (Saloon and Compact Saloon)	75 kg
Mercedes-AMG A 45 S 4MATIC+ (Compact Saloon)	

Maximum design speeds

The maximum design speed can differ from the stated figures in practice. It depends on the operating conditions, the optional extras and the size of the tyres.

Not for Mercedes-AMG vehicles:





Missing values were not available by the editorial deadline.

MAXIMUM DESIGN SPEED

Model

All models

Maximum design speeds (Mercedes-AMG vehicles)

The maximum design speed can differ from the stated figures in practice. It depends on the operating conditions, the special equipment and the size of the tyres.

Mercedes-AMG vehicles:

The following values only apply to vehicles with the AMG Driver's Package.

Missing values were not available by the editorial deadline.

MAXIMUM DESIGN SPEED

Model

Mercedes-AMG A 35 4MATIC (Saloon)

Mercedes-AMG A 35 4MATIC (Compact Saloon)

Mercedes-AMG A 45 S 4MATIC+ (Compact Saloon)

High-voltage battery (plug-in hybrid)

NOTES ON THE ENERGY SUPPLY FOR VEHICLES WITH HIGH-VOLTAGE BATTERY

In accordance with European standard EN 17186:2019, vehicle labels are located on the vehicle in the following places:

- On the inside of the socket flap
- on the charging cable connector

In addition, charging stations in European countries are equipped with energy supply identifiers. You can recharge your vehicle at charging stations whose charging station identifier corresponds to the vehicle identifier.

For further information on charging the high-voltage battery, refer to the "Charging the high-voltage battery" section (→ page 337).



① Supply type: AC
Standard: EN 62196-2
Design: type 2
Plug type: charging cable socket and vehicle plug
Voltage range: 480 V RMS

② Supply type: DC
Standard: EN 62196-3
Design: FF





Plug type: charging cable socket and vehicle plug

Voltage range: 50 V to 500 V

③ Supply type: DC

Standard: EN 62196-3

Design: FF

Plug type: charging cable socket and vehicle plug

Voltage range: 200 V to 920 V

Missing values were not available by the editorial deadline.

Mode 4 charging time – applies to DC charging from 10 % to 80 % of the usable energy content.

The time it takes to charge the battery depends on the state of charge of the battery, the ambient temperature and the charging power of the battery. The charging power, in turn, depends on the supply voltage, the current and the type of power supply.

The rated voltage range for your vehicle can be found on the information label in the socket flap (→ page 337).

ENERGY CONTENT AND CHARGING TIMES

A 250 e with EQ hybrid technology

Type	Lithium-ion
Usable energy content	
Range in all-electric mode	
Charging time – mode 4 with 22 kW charging power	approx. 25 min
Charging time – mode 3 with 11 kW charging power	approx. 1 h 15 min
Charging time – mode 3 with 3.7 kW charging power ¹⁾	approx. 3 h 45 min
Charging time – mode 2 with 1.8 kW charging power	approx. 8 h 15 min

¹⁾ Charging with 7.4 kW charging power (single phase) and a current of 32 A is possible, but leads to longer charging time.

Charging times – mode 2 and – 3 apply to AC charging from 0 % to 100 % of the usable energy content.





< Display messages and warning/indicator lamps

This interactive PDF works like a website – tap or click a button to jump straight to where you want to go.

You can return here at any time via the navigation bar at the top left.

Display messages



Warning and indicator lamps





< Display messages

Introduction

INFORMATION ABOUT DISPLAY MESSAGES

Display messages appear on the driver display.

Display messages with graphical symbols are simplified in the Owner's Manual and may differ from the symbols on the driver display. The driver display shows high-priority display messages in red. Certain display messages will be accompanied by a warning tone.

Please act in accordance with the display messages and follow the additional notes in the Owner's Manual.

FOR SOME DISPLAY MESSAGES, SYMBOLS WILL ALSO BE SHOWN:

- ⓘ Further information
- ✖ Hide display message

You can select the respective symbol by swiping left or right on the left-hand Touch Control. Press ⓘ to display further information on the central display. Press ✖ to hide the display message.

You can hide display messages to be acknowledged by pressing the back button ⏪ or with the left-hand Touch Control. The display messages will then be stored in the message memory.

Rectify the cause of a display message as quickly as possible.

High-priority display messages cannot be hidden. The driver display will show these display messages continuously until the cause of the display message has been rectified.

CALLING UP SAVED DISPLAY MESSAGES

Driver display:



The **Message memory: XX** message appears on the driver display.

- ▶ Scroll through the display messages by swiping upwards or downwards on the left-hand Touch Control.
- ▶ **To exit the display:** press the ⏪ back button.





Occupant safety

Display messages

Possible causes/consequences and ► Solutions



Restraint system malfunction Consult workshop

* The restraint system is malfunctioning (→ page 133).

⚠ WARNING

Risk of injury due to malfunctions in the restraint system

Components in the restraint system may be activated unintentionally or not deploy as intended in an accident.

- ▶ Have the restraint system checked and repaired immediately at a qualified specialist workshop.

Plug-in hybrid:

⚠ DANGER

Risk of fatal injuries due to restraint system malfunctions

Components in the restraint system may be activated unintentionally or not deploy as planned in an accident. In the event of an accident, the high-voltage on-board electrical system may not be deactivated as intended.

You may suffer an electric shock if you touch the damaged components of the high-voltage on-board electrical system.

- ▶ Have the restraint system checked and repaired immediately at a qualified specialist workshop.
- ▶ After an accident, switch off the vehicle immediately.

RECOGNITION OF A RESTRAINT SYSTEM FAULT:

- The restraint system warning lamp does not light up when the vehicle is switched on
- The restraint system warning lamp lights up continuously or repeatedly during a journey





Display messages	Possible causes/consequences and ► Solutions
	<p>► Consult a qualified specialist workshop immediately.</p>
	<p>* The restraint system is malfunctioning (→ page 133).</p> <div style="border: 1px solid black; padding: 10px;"><p>⚠ WARNING Risk of injury due to malfunctions in the restraint system Components in the restraint system may be activated unintentionally or not deploy as intended in an accident.</p><p>► Have the restraint system checked and repaired immediately at a qualified specialist workshop.</p></div>
Front left malfunction Consult workshop	<p>Plug-in hybrid:</p> <div style="border: 1px solid black; padding: 10px;"><p>⚠ DANGER Risk of fatal injuries due to restraint system malfunctions Components in the restraint system may be activated unintentionally or not deploy as planned in an accident. In the event of an accident, the high-voltage on-board electrical system may not be deactivated as intended. You may suffer an electric shock if you touch the damaged components of the high-voltage on-board electrical system.</p><p>► Have the restraint system checked and repaired immediately at a qualified specialist workshop.</p><p>► After an accident, switch off the vehicle immediately.</p></div>

RECOGNITION OF A RESTRAINT SYSTEM FAULT:

- The  restraint system warning lamp does not light up when the vehicle is switched on
- The  restraint system warning lamp lights up continuously or repeatedly during a journey
- Consult a qualified specialist workshop immediately.





Display messages

Possible causes/consequences and ► Solutions



Front right malfunction Consult workshop

* The restraint system is malfunctioning (→ page 133).

WARNING

Risk of injury due to malfunctions in the restraint system

Components in the restraint system may be activated unintentionally or not deploy as intended in an accident.

- Have the restraint system checked and repaired immediately at a qualified specialist workshop.

Plug-in hybrid:

DANGER

Risk of fatal injuries due to restraint system malfunctions

Components in the restraint system may be activated unintentionally or not deploy as planned in an accident. In the event of an accident, the high-voltage on-board electrical system may not be deactivated as intended.

You may suffer an electric shock if you touch the damaged components of the high-voltage on-board electrical system.

- Have the restraint system checked and repaired immediately at a qualified specialist workshop.
- After an accident, switch off the vehicle immediately.

RECOGNITION OF A RESTRAINT SYSTEM FAULT:

- The  restraint system warning lamp does not light up when the vehicle is switched on
- The  restraint system warning lamp lights up continuously or repeatedly during a journey
- Consult a qualified specialist workshop immediately.





Display messages

Possible causes/consequences and ► Solutions



Second row of seats, left Malfunction
Consult workshop

* The restraint system is malfunctioning (→ page 133).

WARNING

Risk of injury due to malfunctions in the restraint system

Components in the restraint system may be activated unintentionally or not deploy as intended in an accident.

- Have the restraint system checked and repaired immediately at a qualified specialist workshop.

Plug-in hybrid:

DANGER

Risk of fatal injuries due to restraint system malfunctions

Components in the restraint system may be activated unintentionally or not deploy as planned in an accident. In the event of an accident, the high-voltage on-board electrical system may not be deactivated as intended.

You may suffer an electric shock if you touch the damaged components of the high-voltage on-board electrical system.

- Have the restraint system checked and repaired immediately at a qualified specialist workshop.
- After an accident, switch off the vehicle immediately.

RECOGNITION OF A RESTRAINT SYSTEM FAULT:

- The  restraint system warning lamp does not light up when the vehicle is switched on.
- The  restraint system warning lamp lights up continuously or repeatedly during a journey.
- Consult a qualified specialist workshop immediately.





Display messages

Possible causes/consequences and ► Solutions



Second row of seats, right Malfunction
Consult workshop

* The restraint system is malfunctioning (→ page 133).

WARNING

Risk of injury due to malfunctions in the restraint system

Components in the restraint system may be activated unintentionally or not deploy as intended in an accident.

- Have the restraint system checked and repaired immediately at a qualified specialist workshop.

Plug-in hybrid:

DANGER

Risk of fatal injuries due to restraint system malfunctions

Components in the restraint system may be activated unintentionally or not deploy as planned in an accident. In the event of an accident, the high-voltage on-board electrical system may not be deactivated as intended.

You may suffer an electric shock if you touch the damaged components of the high-voltage on-board electrical system.

- Have the restraint system checked and repaired immediately at a qualified specialist workshop.
- After an accident, switch off the vehicle immediately.

RECOGNITION OF A RESTRAINT SYSTEM FAULT:

- The  restraint system warning lamp does not light up when the vehicle is switched on.
- The  restraint system warning lamp lights up continuously or repeatedly during a journey.
- Consult a qualified specialist workshop immediately.





Display messages

Possible causes/consequences and ► Solutions



Left window airbag malfunction Consult workshop

* The restraint system is malfunctioning (→ page 133).

⚠ WARNING

Risk of injury or fatal injury due to a malfunction in the windowbag

The windowbag might be triggered unintentionally or might not be triggered at all in the event of an accident.

- Have the windowbag checked and repaired immediately at a qualified specialist workshop.

- Consult a qualified specialist workshop immediately.



Right window airbag malfunction Consult workshop

* The restraint system is malfunctioning (→ page 133).

⚠ WARNING

Risk of injury or fatal injury due to a malfunction in the windowbag

The windowbag might be triggered unintentionally or might not be triggered at all in the event of an accident.

- Have the windowbag checked and repaired immediately at a qualified specialist workshop.

- Consult a qualified specialist workshop immediately.

Front passenger airbag disabled See Owner's Manual

* The front passenger airbag has been disabled even though an adult or a person of adult build is on the front passenger seat. If additional forces are applied to the seat, the weight the system detects may be too low.



[Display messages](#)[Possible causes/consequences and ► Solutions](#)**⚠ WARNING**

- Risk of injury or even fatal injury when the front passenger airbag is disabled

If the front passenger airbag is disabled, It will not be deployed in the event of an accident and cannot perform its intended protective function.

A person in the front passenger seat could then, for example, come into contact with the vehicle interior, especially if the person is sitting too close to the dashboard.

- Be aware of the status of the front passenger airbag both before and during the journey.

- Stop the vehicle immediately in accordance with the traffic conditions.
- Make sure that no objects are trapped under the front passenger seat.
- Check the status of automatic front passenger airbag shutoff (→ page 135).
- If necessary, consult a qualified specialist workshop immediately.

Front passenger airbag enabled See Owner's Manual

*** THE FRONT PASSENGER AIRBAG WILL BE ENABLED WHILE THE VEHICLE IS IN MOTION IN THE FOLLOWING SITUATIONS:**

- Even when a child, a small adult or an object weighing less than the system weight threshold is located on the front passenger seat
- Even when the front passenger seat is not occupied

The system may detect objects or forces that are adding to the weight applied to the seat.



[Display messages](#)[Possible causes/consequences and ► Solutions](#)**⚠ WARNING**

Risk of injury or death when using a child restraint system while the front passenger airbag is enabled
If you secure a child in a child restraint system on the front passenger seat and the front passenger airbag is enabled, the front passenger airbag can deploy in the event of an accident.

The child could be struck by the airbag.

- Ensure, both before and during the journey, that the status of the front passenger airbag is correct.

NEVER use a rearward facing child restraint on a seat protected by an ACTIVE AIRBAG in front of it, DEATH or SERIOUS INJURY to the CHILD can occur.

- Stop the vehicle immediately in accordance with the traffic conditions.
- Make sure that no objects are trapped under the front passenger seat.
- Check the status of automatic front passenger airbag shutoff (→ page 135).
- If necessary, consult a qualified specialist workshop immediately.

[Occupant presence reminder inoperative](#)

- * The occupant presence reminder is malfunctioning

- Consult a qualified specialist workshop.

- * The occupant presence reminder suspects that there are persons or animals in the rear of the vehicle.

- Do not leave any persons or animals behind when leaving the vehicle.

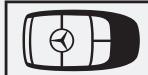
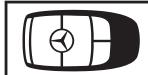


Do not leave persons or animals in the vehicle



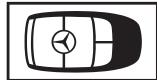
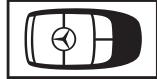


Key

Display messages	Possible causes/consequences and ► Solutions
 Change key batteries	<ul style="list-style-type: none">* The key battery is discharged.► Replace the battery (→ page 184).
 Key not detected (white display message)	<ul style="list-style-type: none">* The key is currently undetected.► Change the location of the key in the vehicle.► Try to start the vehicle.► If the key is still not detected, place it in the slot for starting with the key (→ page 290).► Start the vehicle.
 Key not detected (red display message)	<ul style="list-style-type: none">* The key can no longer be detected during a journey and may no longer be in the vehicle. <p>IF THE KEY IS NO LONGER IN THE VEHICLE AND YOU SWITCH OFF THE VEHICLE:</p> <ul style="list-style-type: none">● You will no longer be able to start the vehicle.● You will not be able to lock the vehicle centrally.► Ensure that the key is in the vehicle. <p>If the key is in the vehicle and is still not detected:</p> <ul style="list-style-type: none">► Stop the vehicle immediately in accordance with the traffic conditions.► Place the key in the slot for starting the engine with the key (→ page 290). <p>The key battery is at low capacity or is flat.</p> <ul style="list-style-type: none">► Check the battery using the indicator lamp (→ page 181).





Display messages	Possible causes/consequences and ► Solutions
	<ul style="list-style-type: none">► Replace the key battery, if necessary (→ page 184).* The vehicle is processing in order to teach in the new key.► Wait until processing is complete.
Key being taught in Please wait	
Place the key in the marked space See Owner's Manual	<ul style="list-style-type: none">* Key detection is malfunctioning.<ul style="list-style-type: none">► Change the location of the key in the vehicle.► Place the key in the slot for starting the engine with the key (→ page 290).* Have the key replaced.<ul style="list-style-type: none">► Consult a qualified specialist workshop.
	
Replace key	

Lights

Display messages	Possible causes/consequences and ► Solutions
	<ul style="list-style-type: none">* The exterior lighting is malfunctioning.<ul style="list-style-type: none">► Consult a qualified specialist workshop.
Malfunction See Owner's Manual	
	<ul style="list-style-type: none">* The light sensor for automatic driving lights is malfunctioning.<ul style="list-style-type: none">► Consult a qualified specialist workshop.
Automatic driving lights inoperative	





Display messages	Possible causes/consequences and ► Solutions
 Active Light System inoperative	<ul style="list-style-type: none">* The active headlamps are malfunctioning.► Consult a qualified specialist workshop.
 Switch on headlamps	<ul style="list-style-type: none">* You are driving without low-beam headlamps.► Turn the light switch to the  or AUTO position.
 Switch off lights	<ul style="list-style-type: none">* You are leaving the vehicle and the lights are still switched on.► Turn the light switch to the AUTO position.
MULTIBEAM LED Functions limited	<ul style="list-style-type: none">* The MULTIBEAM LED system is malfunctioning. The lighting system will continue to work, but without the functions of the MULTIBEAM LED system.► Consult a qualified specialist workshop.
 Dynamic low beam inoperative	<ul style="list-style-type: none">* The dynamic low beam is malfunctioning. The lighting system continues to function properly without the functions of the Dynamic Light System.► Consult a qualified specialist workshop.
Adaptive Highbeam Assist Plus currently unavailable See Owner's Manual	<ul style="list-style-type: none">* Adaptive Highbeam Assist Plus is temporarily unavailable. The system limits have been reached (→ page 257).Once the cause of the problem is no longer present, the system will be available again. The Adaptive Highbeam Assist Plus available again display message will appear.<ul style="list-style-type: none">► Drive on.► Operate the high beam manually until Adaptive High Beam Assist Plus is available again.
Adaptive Highbeam Assist Plus inoperative	<ul style="list-style-type: none">* Adaptive Highbeam Assist Plus is malfunctioning.



Display messages	Possible causes/consequences and ► Solutions
	<ul style="list-style-type: none">► Drive onor► Stop the vehicle in accordance with the traffic conditions and restart the vehicle.► If the display message does not disappear: consult a qualified specialist workshop.► Until then, operate the high beam manually.
Adaptive Highbeam Assist currently unavailable See Owner's Manual	<ul style="list-style-type: none">* Adaptive Highbeam Assist is temporarily unavailable. The system limits have been reached (→ page 256). Once the cause of the problem is no longer present, the system will be available again. The Adaptive Highbeam Assist available again display message will appear.► Drive on► Operate the high beam manually until Adaptive High Beam Assist is available again.
Adaptive Highbeam Assist inoperative	<ul style="list-style-type: none">* Adaptive Highbeam Assist is malfunctioning.<ul style="list-style-type: none">► Drive onor► Stop the vehicle in accordance with the traffic conditions and restart the vehicle.► If the display message does not disappear: consult a qualified specialist workshop.► Until then, operate the high beam manually.
 Front left parking lights	<ul style="list-style-type: none">* The front left parking light is malfunctioning.<ul style="list-style-type: none">► Consult a qualified specialist workshop.
 Front right parking lights	<ul style="list-style-type: none">* The front right parking light is malfunctioning.<ul style="list-style-type: none">► Consult a qualified specialist workshop.



Display messages

Possible causes/consequences and ► Solutions



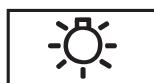
Left low beam

- * The left low beam is malfunctioning.
- ▶ Consult a qualified specialist workshop.



Right low beam

- * The right low beam is malfunctioning.
- ▶ Consult a qualified specialist workshop.



Left cornering light

- * The left cornering light is malfunctioning.
- ▶ Consult a qualified specialist workshop.



Right cornering light

- * The right cornering light is malfunctioning.
- ▶ Consult a qualified specialist workshop.



Left tail light

- * The left tail light is malfunctioning.
- ▶ Consult a qualified specialist workshop.



Right tail light

- * The right tail light is malfunctioning.
- ▶ Consult a qualified specialist workshop.



Left main beam

- * The left high beam is malfunctioning.
- ▶ Consult a qualified specialist workshop.





Display messages	Possible causes/consequences and ► Solutions
 Right main beam	<ul style="list-style-type: none">* The right high beam is malfunctioning.► Consult a qualified specialist workshop.
 Left daytime running lights	<ul style="list-style-type: none">* The left daytime running lights are malfunctioning.► Consult a qualified specialist workshop.
 Right daytime running lights	<ul style="list-style-type: none">* The right-hand daytime running lights are malfunctioning.► Consult a qualified specialist workshop.
 Front left turn signal	<ul style="list-style-type: none">* The front left turn signal lamp is malfunctioning.► Consult a qualified specialist workshop.
 Rear left turn signal	<ul style="list-style-type: none">* The rear left turn signal lamp is malfunctioning.► Consult a qualified specialist workshop.
 Front right turn signal	<ul style="list-style-type: none">* The front right turn signal lamp is malfunctioning.► Consult a qualified specialist workshop.
 Rear right turn signal	<ul style="list-style-type: none">* The rear right turn signal lamp is malfunctioning.► Consult a qualified specialist workshop.



Display messages

Possible causes/consequences and ► Solutions



Left mirror turn signal

- * The turn signal lamp on the left mirror is malfunctioning.
- ▶ Consult a qualified specialist workshop.



Right mirror turn signal

- * The turn signal lamp on the right mirror is malfunctioning.
- ▶ Consult a qualified specialist workshop.



Left brake lamp

- * The left brake light is malfunctioning.
- ▶ Consult a qualified specialist workshop.



Right brake lamp

- * The right brake light is malfunctioning.
- ▶ Consult a qualified specialist workshop.



Third brake lamp

- * The third brake light is malfunctioning.
- ▶ Consult a qualified specialist workshop.



Reversing light

- * The reversing light is malfunctioning.
- ▶ Consult a qualified specialist workshop.



Rear fog light

- * The rear fog light is malfunctioning.
- ▶ Consult a qualified specialist workshop.





Display messages	Possible causes/consequences and ► Solutions
 Number plate lamp	<ul style="list-style-type: none"> * The number plate lamp is malfunctioning. ► Consult a qualified specialist workshop.
Hazard warning lamp system Malfunction	<ul style="list-style-type: none"> * The hazard warning lamp switch is malfunctioning. ► Consult a qualified specialist workshop.
Inoperative indicator lamp in driver display. Consult workshop	<ul style="list-style-type: none"> * An indicator lamp on the driver's display is defective. ► Consult a qualified specialist workshop.

Climate control

Display messages	Possible causes/consequences and ► Solutions
 inoperative See Owner's Man. (stationary heater)	<ul style="list-style-type: none"> * The stationary heater is temporarily malfunctioning. ► When the vehicle is stationary on a level surface and the engine has cooled down, make up to four attempts to switch on the stationary heater, waiting several minutes between each attempt. ► If the stationary heater does not switch on, consult a qualified specialist workshop. <p> The stationary heater cannot be activated if the outside temperature is above 15°C.</p>
 Currently unavailable Battery low	<ul style="list-style-type: none"> * The on-board electrical system voltage is too low. The stationary heater has switched itself off. ► Drive an extended distance until the battery has reached a sufficient charge level again.



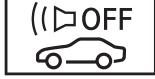


Display messages	Possible causes/consequences and ► Solutions
	<p>* There is too little fuel in the fuel tank. The stationary heater cannot be switched on.</p> <p>► Refuel the vehicle.</p>
Currently unavailable Refuel	
	<p>* The high-voltage battery is charging. Pre-entry climate control cannot be switched on.</p> <p>► Wait until the charging process has achieved a minimum state of charge.</p>
Currently unavailable High-voltage battery charging incomplete.	
	<p>* The charge of the high-voltage battery is too low. Pre-entry climate control cannot be switched on.</p> <p>► Charge the high-voltage battery (→ page 337).</p>
Currently unavailable Charge high-voltage battery	
	<p>* You have attempted to switch on pre-entry climate control more than twice with the vehicle switched off.</p> <p>► Start the vehicle for ten seconds. Pre-entry climate control is operational again.</p>
Pre-entry climate control via key available again after starting vehicle	
	<p>* The charge of the high-voltage battery is too low. Pre-entry climate control cannot be switched on.</p> <p>► Charge the high-voltage battery (→ page 337). When the high-voltage battery is sufficiently charged, pre-entry climate control will be operational again.</p>
Pre-entry climate control via key currently unavailable. High-voltage battery low	





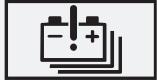
Drive system

Display messages	Possible causes/consequences and ► Solutions
 Towing not permitted See Owner's Manual	* The drive system is malfunctioning. ► Have the vehicle transported using only a transporter or trailer (→ page 649).
 Acoustic presence indicator inoperative	* The sound generator (acoustic vehicle warning system) is malfunctioning. No vehicle noises are being produced. The vehicle may not be heard by other road users. ► Drive with particular care. ► Consult a qualified specialist workshop.
 Charger cable connected Not possible to unlock charging cable See Owner's Manual	* You cannot pull away while the charging cable is connected. ► Disconnect the charging cable from the vehicle. * The charging cable connector cannot be removed from the vehicle socket. ► If the charging cable is under strain, relieve the strain on the charging cable connector by carefully pulling on the charging cable. ► Press the charging interruption button (→ page 350). If the charging cable connector cannot be removed after that: ► Consult a qualified specialist workshop.
Vehicle not currently being charged Charging station fault	* A malfunction has occurred in the charging station or the RFID card is not recognised. ► Start the charging process at a different charging station. or ► Use an alternative authentication method or payment method.



Display messages	Possible causes/consequences and ► Solutions
Charging fault Please change charging method See Owner's Manual	<p>* A temporary malfunction has occurred in the charging station.</p> <p>► Wait until the malfunction has passed.</p> <p>or</p> <p>► Start the charging process at a different charging station.</p> <p>or</p> <p>► Use an alternative authentication method or payment method.</p>
Login failed Change authentication method or charging station	<p>* Plug-and-Charge is not expected to be available at this charging station.</p> <p>► Use an alternative authentication method or payment method.</p> <p>or</p> <p>► Start the charging process at a different charging station.</p>
Only electric drive available Power limited	<p>* The fuel tank is empty and the combustion engine is switched off. The output of your vehicle is limited because you are driving in electric mode.</p> <p>► Refuel immediately. Subsequently, there may be temporary restrictions in the availability of electric mode over a distance of 50 km.</p> <p>If there is fuel in the vehicle, there is a fault with the combustion engine.</p> <p>► Consult a qualified specialist workshop.</p>
"Electric" drive program currently unavailable	<p>* The state of charge of the high-voltage battery or the environmental conditions are not sufficient for the Electric drive program.</p> <p>► Drive on and observe the notes on plug-in hybrid operation (→ page 284).</p> <p>or</p>



Display messages	Possible causes/consequences and ► Solutions
	<ul style="list-style-type: none">► Charge the high-voltage battery (→ page 337).
Reduced drive power See Owner's Manual	<ul style="list-style-type: none">* The drive system switches to emergency operation mode due to a malfunction.<ul style="list-style-type: none">► Drive on carefully.► Consult a qualified specialist workshop.
 Battery overheated Stop, everybody out! Outdoors if possible	<ul style="list-style-type: none">* Plug-in hybrid: The high-voltage battery is overheated. There is a risk of fire.<ul style="list-style-type: none">► Stop the vehicle immediately in accordance with the traffic conditions.► If possible, stop the vehicle in the open air and ensure that all vehicle occupants get out. <p>ⓘ Supporting vehicle functions may activate automatically, e.g. air-recirculation mode as part of climate control.</p> <ul style="list-style-type: none">► Do not continue driving.► If smoke is present, leave the danger zone and call the fire service immediately.► Consult a qualified specialist workshop even if there are no external signs of a fire.
 Malfunction	<ul style="list-style-type: none">* The drive system is malfunctioning. A warning tone will also sound.<ul style="list-style-type: none">► Consult a qualified specialist workshop.
 Malfunction Visit workshop	<ul style="list-style-type: none">* The drive system is malfunctioning.<ul style="list-style-type: none">► Consult a qualified specialist workshop.
Without changing gear, consult workshop	<ul style="list-style-type: none">* The drive system cannot be restarted due to a malfunction. If the transmission position is changed using the DIRECT SELECT lever, the drive system will be switched off in park position P or neutral N.





Display messages

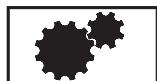
Possible causes/consequences and ► Solutions

- Consult a qualified specialist workshop and do not change the transmission position.

Consult workshop without starting the vehicle again

- * It is not possible to restart the drive system due to a malfunction.

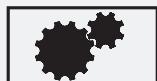
- Do not switch off the drive system; drive on to the nearest qualified specialist workshop.



Malfunction

- * The drive system is malfunctioning. The output of your vehicle is restricted.

- Consult a qualified specialist workshop.



Stop Switch off the vehicle

- * The drive system is malfunctioning.

- Stop the vehicle immediately in accordance with the traffic conditions and switch off the drive system. Do not continue driving because the drive system is automatically deactivated.

- Do not tow the vehicle; stop towing if necessary.

- Consult a qualified specialist workshop.



Performance severely limited

- * The drive system is outside the normal operating temperature range, e.g. due to extremely low or high outside temperatures.

Output will be severely restricted.

Once the operating temperature of the drive system returns to normal, the full output will be available again. The display message will disappear.

- * If the drive system power output is still reduced, there is a fault in the drive system.

- Drive on carefully.

- Consult a qualified specialist workshop.



Please wait Depressurising fuel tank

- * **Vehicles with petrol engines:** the pressure in the fuel tank needs to be reduced before the fuel filler flap is opened. This pressure reduction can take up to 15 minutes.





Display messages

Possible causes/consequences and ► Solutions



Fuel tank is depressurised Ready for refuelling

- * **Vehicles with petrol engines:** the pressure in the fuel tank is released and the fuel filler flap opens.



Tank ventilation Malfunction Consult workshop

- * **Vehicles with petrol engines:** There is a malfunction in the fuel system.

- Consult a qualified specialist workshop.

Vehicle

Display messages

Possible causes/consequences and ► Solutions



- * The driver display is inoperative due to a failed software update.

The display message will be shown every time the engine is started.



WARNING

Risk of accident if the driver's display fails

If the driver's display fails or malfunctions, you may not be aware of any functional limitations to safety-critical systems. This may affect the operating safety of the vehicle.

- Park the vehicle safely as soon as possible and notify a qualified specialist workshop.

If the operating safety of your vehicle is impaired, park the vehicle immediately and safely. Contact a qualified specialist workshop.

If the driver display fails, you may not recognise e.g. function restrictions affecting systems relevant to safety or the speed display. The operating safety of the vehicle may be impaired (→ page 502).

- Have the vehicle checked by a qualified specialist workshop immediately.





Display messages	Possible causes/consequences and ► Solutions
Cannot start vehicle See Owner's Manual	<ul style="list-style-type: none"> * The vehicle cannot be started. <ul style="list-style-type: none"> ► Switch the vehicle off and then back on ► If the display message still appears, consult a qualified specialist workshop. <p>* Vehicles with 48 V on-board electrical system: the state of charge of the 48 V battery is too low. You can no longer start the vehicle.</p> <ul style="list-style-type: none"> ► Switch off electrical consumers that are not required. ► Connect a suitable charger approved for Mercedes-Benz with sufficient charge output to the jump-start connection point of the 12 V battery (→ page 67). <p>The 48 V battery is charged via the voltage converter in the vehicle.</p>
Vehicle is ready to drive Shutdown occurs when locked or automatically in XX mins	<ul style="list-style-type: none"> * You are about to leave the vehicle and the engine is running. <p>The vehicle will switch off automatically in 20 minutes.</p> <ul style="list-style-type: none"> ► To prevent the vehicle from switching off automatically, acknowledge the message on the central display of the multimedia system. * You are in the vehicle. Park position P is engaged and the engine is running. <p>After a certain holding time, this display message will appear on the driver display. The vehicle will then switch off automatically after a total of 20 minutes of holding time.</p> <ul style="list-style-type: none"> ► To prevent the vehicle from switching off automatically, acknowledge the message on the central display of the multimedia system.
Vehicle is ready to drive Shutdown occurs when locked or automatically in a few minutes	<ul style="list-style-type: none"> * You are leaving the vehicle in a ready-to-drive state. <ul style="list-style-type: none"> ► Get out of the vehicle, secure it against rolling away and take the key with you. ► If you do not leave the vehicle, switch off the electrical consumers, e.g. the seat heating. Otherwise, the 12 V battery may discharge and starting the engine may be possible only with the help of a second battery (jump start).
 Top up washer fluid	<ul style="list-style-type: none"> * The washer fluid level in the washer fluid reservoir has dropped below the minimum. <ul style="list-style-type: none"> ► Top up the washer fluid (→ page 42).
Wiper Malfunction	<ul style="list-style-type: none"> * The windscreen wiper is malfunctioning.



Display messages

Possible causes/consequences and ► Solutions

- Restart the vehicle.

If the display message still appears:

- Consult a qualified specialist workshop.

Head-up display currently unavailable
See Owner's Manual

* THE HEAD-UP DISPLAY IS TEMPORARILY UNAVAILABLE. POSSIBLE CAUSES:

- Malfunctions in the power supply
- Signal interference
- Stop in accordance with the traffic conditions and switch the vehicle off and on again.
- If the display message still appears, consult a qualified specialist workshop.

Head-up display inoperative

- * The head-up display has an internal error.

- Consult a qualified specialist workshop.

* The steering is malfunctioning. Steering capability is significantly impaired.

WARNING

Risk of accident if steering capability is impaired

If the steering does not function as intended, the vehicle's operating safety is jeopardised.

- Pull over and stop the vehicle safely as soon as possible, paying attention to road and traffic conditions.
Do not continue driving under any circumstances.
- Consult a qualified specialist workshop.

- Stop the vehicle immediately in accordance with the traffic conditions. Do not continue driving.
- Consult a qualified specialist workshop.





Display messages

Possible causes/consequences and ► Solutions



Steering malfunction Increased physical effort See Owner's Manual

* The power steering assistance is malfunctioning.

WARNING

Risk of an accident due to altered steering characteristics

If the power assistance of the steering fails partially or completely, you will need to use more force to steer.

- If safe steering is possible, drive on carefully.
- Visit or consult a qualified specialist workshop immediately.

- If safe steering is possible, drive on carefully.

- Visit or consult a qualified specialist workshop immediately.



Steering malfunction See Owner's Manual

* The electric steering lock is malfunctioning. The steering may be locked by the electric steering lock.

WARNING

Risk of accident if steering capability is impaired

If the steering does not function as intended, the vehicle's operating safety is jeopardised.

- Pull over and stop the vehicle safely as soon as possible, paying attention to road and traffic conditions.
Do not continue driving under any circumstances.
- Consult a qualified specialist workshop.

- Stop the vehicle immediately in accordance with the traffic conditions. Do not continue driving.

- Consult a qualified specialist workshop.





Display messages

Possible causes/consequences and ► Solutions



Before starting the engine, turn the steering wheel.

* The electric steering lock could not unlock the steering.

- Switch off the vehicle.
- To unlock the steering, move the steering wheel slightly to the left and right.
- Switch on the vehicle again.

Active bonnet malfunction See Owner's Manual

* The active bonnet (pedestrian protection) is malfunctioning or inoperative after having already been triggered.

- Consult a qualified specialist workshop.



* The bonnet is open.

 **WARNING**

Risk of accident due to driving with the bonnet unlocked

The bonnet may open and block your view.

- Never release the bonnet when driving.
- Before every trip, ensure that the engine bonnet is locked.

- Stop the vehicle immediately in accordance with the traffic conditions.

- Close the bonnet.



* At least one door is open.

- Close all doors.



* The boot lid is open.



[Display messages](#)[Possible causes/consequences and ► Solutions](#)**DANGER**

Risk of exhaust gas poisoning

Combustion engines emit poisonous exhaust gases such as carbon monoxide. Exhaust gases can enter the vehicle interior if the boot lid is open when the engine is running, especially if the vehicle is in motion.

- Always switch off the engine before opening the boot lid.
- Never drive with the boot lid open.

- Close the boot lid.

[Anti-theft alarm system Malfunction](#)

- * The anti-theft alarm system is malfunctioning.
 - Consult a qualified specialist workshop.

[4matic currently unavailable](#)

- * 4MATIC is currently unavailable.
 - Drive on carefully.
 - Consult a qualified specialist workshop.

[4matic inoperative](#)

- * 4MATIC is inoperative.
 - Drive on carefully.
 - Consult a qualified specialist workshop.





Engine

Display messages	Possible causes/consequences and ► Solutions
To switch off the vehicle, press the Start/Stop button for at least 3 seconds or 3 times	<ul style="list-style-type: none">* You have pressed the start/stop button while the vehicle is in motion.► Information about switching off the vehicle while it is being driven (→ page 289).
 Top up coolant See Owner's Manual	<ul style="list-style-type: none">* The coolant level is too low.<div style="border: 2px solid #ccc; padding: 10px; margin-top: 10px;"><p>! NOTE</p><p>Engine damage due to insufficient coolant</p><ul style="list-style-type: none">► Avoid long journeys with insufficient coolant.</div>► Add coolant (→ page 615).► Have the engine cooling system checked at a qualified specialist workshop.
 Coolant Stop Switch off the vehicle	<ul style="list-style-type: none">* The coolant is too hot.► Stop immediately in accordance with the traffic conditions and switch off the vehicle.



[Display messages](#)[Possible causes/consequences and ► Solutions](#)**⚠ WARNING**

Risk of burns when opening the bonnet

IF YOU OPEN THE BONNET IN THE EVENT OF AN OVERHEATED ENGINE OR FIRE IN THE ENGINE COMPARTMENT, THE FOLLOWING SITUATIONS MAY OCCUR:

- You may come into contact with hot gases.
- You may come into contact with other escaping hot operating fluids.
- ▶ Before opening the bonnet, allow the engine to cool down.
- ▶ In the event of a fire in the engine compartment, keep the bonnet closed and call the fire service.

- ▶ Wait until the engine has cooled down.
- ▶ Make sure that the air supply to the radiator is not obstructed.
- ▶ Avoiding high loads on the engine, drive to the nearest qualified specialist workshop. In doing so, ensure that the coolant temperature display remains below 120 °C.

[Clean the fuel filter](#)

* **Vehicles with diesel engines:** the fuel filter is dirty or the water in the fuel filter needs to be drained.

- ▶ Consult a qualified specialist workshop.

[Replace air filter](#)

* **Vehicles with diesel engines:** the engine air filter is dirty and must be replaced.

- ▶ Consult a qualified specialist workshop.

[Reserve fuel](#)

* The fuel supply has dropped into the reserve range.

- ▶ Refuel.





Display messages	Possible causes/consequences and ► Solutions
Drive system Malfunction Visit workshop	<ul style="list-style-type: none"> * The drive system is malfunctioning. ► Consult a qualified specialist workshop.
Drive system malfunction Stop Switch off the vehicle	<ul style="list-style-type: none"> * The drive system is malfunctioning. ► Stop the vehicle immediately, paying attention to road and traffic conditions, and switch off the engine. ► Consult a qualified specialist workshop.

Transmission

Display messages	Possible causes/consequences and ► Solutions
Only select P when vehicle is stationary	<ul style="list-style-type: none"> * It is possible to select the park position P only if the vehicle is stationary. ► Depress the brake pedal to stop. ► Shift the transmission to park position P when the vehicle is stationary.
Apply brake to deselect P position	<ul style="list-style-type: none"> * You have attempted to shift the transmission out of park position P and into another transmission position. ► Depress the brake pedal. ► Select transmission position D, R or neutral N.
Apply brake and start vehicle to shift out of P or N	<ul style="list-style-type: none"> * You have attempted to shift the transmission out of park position P or neutral N and into another transmission position. ► Depress the brake pedal. ► Start the vehicle. ► Change the transmission position.
Apply brake to engage D or R	<ul style="list-style-type: none"> * You have attempted to select transmission position D or R. ► Depress the brake pedal.

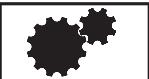




Display messages	Possible causes/consequences and ► Solutions
	<ul style="list-style-type: none">► Select transmission position D or R.
Apply brake to engage R	<ul style="list-style-type: none">* You have attempted to select transmission position R.<ul style="list-style-type: none">► Depress the brake pedal.► Select transmission position R.
Apply parking brake to park Visit workshop	<ul style="list-style-type: none">* A malfunction has occurred in the emergency power supply to park position P.<ul style="list-style-type: none">► Consult a qualified specialist workshop.► Until then, always select park position P manually before you switch off the vehicle.► Before leaving the vehicle, apply the electric parking brake.
Risk of vehicle rolling away Driver's door open Transmission not in P	<ul style="list-style-type: none">* The driver's door is not fully closed and transmission position D, R or neutral N is selected. The vehicle may roll away.<ul style="list-style-type: none">► Select park position P when switching off the vehicle.
Risk of vehicle rolling away Apply parking brake to park	<ul style="list-style-type: none">* The transmission is malfunctioning. Park position P cannot be selected.<ul style="list-style-type: none">► Park the vehicle safely.► Use the electric parking brake to secure the vehicle against rolling away.► On gradients, turn the front wheels so that the vehicle will roll towards the kerb if it starts moving.
N permanently active Risk of vehicle rolling	<ul style="list-style-type: none">* Neutral N has been engaged while the vehicle is moving or while you are driving.<ul style="list-style-type: none">► Depress the brake pedal to stop.► Shift the transmission to park position P when the vehicle is stationary.► To continue driving, select transmission position D or R.
Reversing not poss. Consult workshop	<ul style="list-style-type: none">* The transmission is malfunctioning. It is not possible to select transmission position R.





Display messages	Possible causes/consequences and ► Solutions
	<ul style="list-style-type: none">► Consult a qualified specialist workshop.
Transmission Malfunction Stop	<ul style="list-style-type: none">* The transmission is malfunctioning. The transmission shifts to neutral N automatically.<ul style="list-style-type: none">► Stop the vehicle immediately in accordance with the traffic conditions.► Depress the brake pedal.► Engage park position P.► Consult a qualified specialist workshop.
Consult workshop without changing the transmission position	<ul style="list-style-type: none">* The transmission is malfunctioning. It is no longer possible to change the transmission position.<ul style="list-style-type: none">► If transmission position D is selected, consult a qualified specialist workshop and do not change the transmission position.► For all other transmission positions, park the vehicle safely.► Consult a qualified specialist workshop.
Transmission Malfunction	<ul style="list-style-type: none">* The transmission is malfunctioning. The cause could be an overheated clutch or blocked gears.<ul style="list-style-type: none">► Let the transmission cool down.► If the display message still appears following a restart, consult a qualified specialist workshop.
 Transmission oil overheated Drive on with care	<ul style="list-style-type: none">* The transmission is overheating. When the display message is active, start-up and driving characteristics may be temporarily impaired.<ul style="list-style-type: none">► Drive at low engine speed.► Avoid sporty driving.► Before pulling away on uphill gradients, let the transmission cool down until the display message disappears.
 Parking lock inoperative Apply the parking brake	<ul style="list-style-type: none">* The transmission is malfunctioning. Park position P cannot be selected.<ul style="list-style-type: none">► Park the vehicle safely.► Use the electric parking brake to secure the vehicle against rolling away.



Display messages	Possible causes/consequences and ► Solutions
Teaching in transmission Operate selector lever Brake for XX seconds Risk of vehicle rolling	<ul style="list-style-type: none">* The transmission is being taught in. There is a risk of the vehicle rolling away.► Depress and hold the brake pedal until the teach-in process has been completed. The electric parking brake will be applied automatically during the teach-in process.► Switch on the vehicle.► Select park position P, transmission position R or neutral N.
Teaching in transmission complete	<ul style="list-style-type: none">* The transmission's teach-in process is complete. All transmission positions can be selected again.
Transmission Malfunction Visit workshop	<ul style="list-style-type: none">* The transmission is malfunctioning. Consult a qualified specialist workshop.
Auxiliary battery malfunction (white display message)	<ul style="list-style-type: none">* There is a malfunction in the auxiliary battery.► Consult a qualified specialist workshop.► Until then, always select park position P manually before you switch off the vehicle.► Before leaving the vehicle, apply the electric parking brake.
Auxiliary battery malfunction (red display message)	<ul style="list-style-type: none">* There is a malfunction in the auxiliary battery.► Consult a qualified specialist workshop.► Until then, always select park position P manually before you switch off the vehicle.► Before leaving the vehicle, apply the electric parking brake.





Brakes

Display messages	Possible causes/consequences and ► Solutions
 Parking brake See Owner's Manual	<p>* The yellow  indicator lamp is lit. The electric parking brake is malfunctioning.</p> <p>To apply:</p> <ul style="list-style-type: none">▶ Switch the vehicle off and then back on▶ Apply the electric parking brake manually (→ page 361). <p>If it is not possible to apply the electric parking brake:</p> <ul style="list-style-type: none">▶ Consult a qualified specialist workshop.▶ Where necessary, also secure the parked vehicle against rolling away. <p>* The yellow  indicator lamp and the red  indicator lamp are lit. The electric parking brake is malfunctioning.</p> <p>To release:</p> <ul style="list-style-type: none">▶ Switch the vehicle off and then back on▶ Release the electric parking brake manually (→ page 361). <p>or</p> <ul style="list-style-type: none">▶ Release the electric parking brake automatically (→ page 360). <p>If it is still not possible to release the electric parking brake:</p> <ul style="list-style-type: none">▶ Do not continue driving. Consult a qualified specialist workshop. <p>* The yellow  indicator lamp is lit and the red  indicator lamp is flashing. The electric parking brake is malfunctioning.</p> <p>The electric parking brake could not be applied or released.</p> <ul style="list-style-type: none">▶ Switch the vehicle off and then back on <p>To apply:</p>
	
	



Display messages

Possible causes/consequences and ► Solutions

- Release and then apply the electric parking brake manually (→ page 361).

To release:

- Apply and then release the electric parking brake manually.

If it is not possible to apply the electric parking brake or the red  indicator lamp continues to flash:

- Do not continue driving. Consult a qualified specialist workshop.
- Where necessary, also secure the parked vehicle against rolling away.

* The yellow  indicator lamp is lit and the red  indicator lamp flashes for approximately ten seconds after the electric parking brake has been applied or released. It then remains lit or goes out. The electric parking brake is malfunctioning.

If the state of charge is too low:

- Charge the 12 V battery (→ page 67).

To apply:

- Switch off the vehicle.
The electric parking brake will be applied automatically.

If you do not want the electric parking brake to be applied, e.g. at an automatic car wash or when the vehicle is being towed, leave the vehicle switched on. This does not include having the vehicle towed with the rear axle raised.

If the electric parking brake is not applied automatically:

- Switch the vehicle off and then back on
- Release and then apply the electric parking brake manually (→ page 361).

If it is still not possible to apply the electric parking brake:

- Consult a qualified specialist workshop.





Display messages	Possible causes/consequences and ► Solutions
	<ul style="list-style-type: none">► Where necessary, also secure the parked vehicle against rolling away. <p>To release:</p> <ul style="list-style-type: none">► If the conditions for automatic release are fulfilled and the electric parking brake is not released automatically, release the electric parking brake manually (→ page 361). <p>If it is still not possible to release the electric parking brake:</p> <ul style="list-style-type: none">► Do not continue driving. Consult a qualified specialist workshop.
 Release parking brake	<ul style="list-style-type: none">* The red  indicator lamp is flashing. <p>THE ELECTRIC PARKING BRAKE IS APPLIED WHILE YOU ARE DRIVING:</p> <ul style="list-style-type: none">● A condition for automatic release of the electric parking brake has not been fulfilled (→ page 360).● You are performing emergency braking using the electric parking brake (→ page 362). <ul style="list-style-type: none">► Check the conditions for automatic release of the electric parking brake.► Release the electric parking brake manually.
 Parking brake Switch on vehicle to release	<ul style="list-style-type: none">* The red  indicator lamp is lit. <p>You have attempted to release the electric parking brake with the vehicle switched off.</p> <ul style="list-style-type: none">► Switch on the vehicle.
 Check brake fluid level	<ul style="list-style-type: none">* There is insufficient brake fluid in the brake fluid reservoir.



[Display messages](#)[Possible causes/consequences and ► Solutions](#)**⚠ WARNING**

Risk of an accident due to low brake fluid level

If the brake fluid level is too low, the braking effect and the braking characteristics may be impaired.

- ▶ Stop the vehicle as soon as possible, paying attention to road and traffic conditions. Do not continue driving.
- ▶ Consult a qualified specialist workshop.
- ▶ Do not top up the brake fluid.

- ▶ Stop the vehicle immediately in accordance with the traffic conditions. Do not continue driving.
- ▶ Do not top up the brake fluid.
- ▶ Consult a qualified specialist workshop.

[Check brake pads See Owner's Manual](#)

* The brakepads have reached the wear limit.

- ▶ Consult a qualified specialist workshop.

Driving and driving safety systems

[Display messages](#)[Possible causes/consequences and ► Solutions](#)

[currently unavailable See Owner's Manual](#) (ABS and ESP^{*})

* ABS and ESP^{*} are temporarily unavailable.

Other driving systems and driving safety systems (e.g. BAS) may also be temporarily unavailable.

The brake system will continue to operate normally. Braking distance may increase in an emergency braking situation.



[Display messages](#)[Possible causes/consequences and ► Solutions](#)**⚠ WARNING**

Risk of skidding if ABS and ESP^{*} are malfunctioning

The wheels may lock during braking and ESP^{*} does not perform any vehicle stabilisation.

The steerability and braking characteristics are heavily impaired and the braking distance may increase. In addition, other driving safety systems are switched off.

- ▶ Drive carefully on a suitable stretch of road, making slight steering movements at a speed above 30 km/h.
 - ▶ If the display message does not disappear, consult a qualified specialist workshop immediately. Drive carefully.
-
- ▶ Drive carefully on a suitable stretch of road, making slight steering movements at a speed above 30 km/h.
 - ▶ If the display message does not disappear, consult a qualified specialist workshop immediately. Drive carefully.



inoperative See Owner's Manual (ABS and ESP^{*})

* ABS and ESP^{*} are malfunctioning.

Other driving systems and driving safety systems (e.g. BAS) may also be malfunctioning.

The brake system will continue to operate normally. Braking distance may increase in an emergency braking situation.



[Display messages](#)[Possible causes/consequences and ► Solutions](#)**⚠ WARNING**

Risk of skidding if ABS and ESP[®] are malfunctioning

The wheels may block during braking and ESP[®] does not perform any vehicle stabilization.

The steerability and braking characteristics are heavily impaired and the braking distance may increase. In addition, other driving safety systems are switched off.

- Drive on carefully.
- Have ABS and ESP[®] checked immediately at a qualified specialist workshop.

- Drive on carefully.
- Consult a qualified specialist workshop immediately.

* ESP[®] is temporarily unavailable.

Other driving systems and driving safety systems (e.g. BAS) may also be malfunctioning.

⚠ WARNING

Risk of skidding if ESP is malfunctioning[®]

If ESP[®] is malfunctioning, ESP[®] cannot carry out vehicle stabilisation. In addition, other driving safety systems are switched off.

- Drive carefully on a suitable stretch of road, making slight steering movements at a speed above 30 km/h.
- If the display message does not disappear, consult a qualified specialist workshop immediately. Drive carefully.

- Drive carefully on a suitable stretch of road, making slight steering movements at a speed above 30 km/h.



currently unavailable See Owner's Manual (ESP[®])





Display messages	Possible causes/consequences and ► Solutions
 inoperative See Owner's Manual (ESP [*])	<ul style="list-style-type: none">► If the display message does not disappear, consult a qualified specialist workshop immediately. Drive carefully. <p>* ESP[*] is malfunctioning. Other driving systems and driving safety systems (e.g. BAS) may also be malfunctioning. The brake system will continue to operate normally. Braking distance may increase in an emergency braking situation.</p> <div style="border: 1px solid black; padding: 10px; margin-top: 10px;"><p>⚠ WARNING Risk of skidding if ESP is malfunctioning[*] If ESP[*] is malfunctioning, ESP[*] cannot carry out vehicle stabilisation. In addition, other driving safety systems are switched off.</p><ul style="list-style-type: none">► Drive on carefully.► Have ESP[*] checked at a qualified specialist workshop.</div> <ul style="list-style-type: none">► Drive on carefully.► Consult a qualified specialist workshop immediately.
  	<p>* EBD, ABS and ESP[*] are malfunctioning. Other driving systems and driving safety systems (e.g. BAS) may also be malfunctioning.</p>



**Display messages****Possible causes/consequences and ► Solutions****⚠ WARNING**

Risk of skidding if EBD, ABS and ESP^{*} are malfunctioning

The wheels may block during braking and ESP^{*} does not perform any vehicle stabilization.

The steerability and braking characteristics are heavily impaired and the braking distance may increase. In addition, other driving safety systems are switched off.

- Drive on carefully.
- Have the brake system checked immediately at a qualified specialist workshop.

- Drive on carefully.
- Consult a qualified specialist workshop immediately.

HOLD

Off

* The HOLD function is deactivated because the vehicle is slipping or a condition for activation is not fulfilled.

- Reactivate the HOLD function later or check the activation conditions for the HOLD function (→ page 373).



ATTENTION ASSIST: Take a break!

* ATTENTION ASSIST has detected fatigue or an increasing lack of concentration on the part of the driver (→ page 376).

- If necessary, take a break.



--- km/h

* Cruise control cannot be activated because not all activation conditions are fulfilled.

- Observe the activation conditions for cruise control (→ page 379).

Cruise control inoperative

* Cruise control is malfunctioning.

- Consult a qualified specialist workshop.





Display messages

Possible causes/consequences and ► Solutions

Cruise control and Limiter inoperative

- * Cruise control and the limiter are malfunctioning.
- Consult a qualified specialist workshop.

Cruise control off

- * Cruise control has been deactivated.
If there is an additional warning tone, cruise control has been deactivated automatically (→ page 377).



--- km/h

- * The limiter can temporarily not be engaged. Once the cause of the problem is no longer present, the system will be available again.



passive

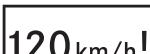
- * If you depress the accelerator pedal beyond the point of resistance (kickdown), the limiter will be switched to passive mode (→ page 378).

Limiter inoperative

- * The limiter is malfunctioning.
- Consult a qualified specialist workshop.

Speed limit (winter tyres) XXX km/h

- * You have reached the maximum permissible stored speed for winter tyres. It is not possible to exceed this speed.



Maximum speed exceeded

- * You have exceeded the maximum permissible speed (for certain countries only).
- Drive more slowly.

Traffic Sign Assist currently unavailable
See Owner's Manual

- * Traffic Sign Assist is temporarily unavailable.
Once the cause of the problem is no longer present, the system will be available again.
- Continue driving in compliance with the traffic regulations.

Traffic Sign Assist inoperative

- * Traffic Sign Assist is malfunctioning.





Display messages

Possible causes/consequences and ► Solutions

- Continue driving in compliance with the traffic regulations.
- or
- Stop the vehicle in accordance with the traffic conditions and restart the vehicle.
- If the display message does not disappear: consult a qualified specialist workshop.



Malfunction Maximum speed 80 km/h

* The adjustable damping is malfunctioning. The vehicle's handling characteristics may be affected.

- Do not drive at speeds greater than 80 km/h.
- Consult a qualified specialist workshop.



Malfunction Maximum speed 80 km/h

* AMG RIDE CONTROL is malfunctioning. The vehicle's handling characteristics may be affected.

- Do not drive at speeds greater than 80 km/h.
- Consult a qualified specialist workshop.

AMG Ride Control Function limited
See Owner's Manual

* At least one of the main functions of AMG RIDE CONTROL is malfunctioning.

The system is outside the operating temperature range or the on-board electrical system voltage is too low.

Once the cause of the problem is no longer present, the system will be available again.

! NOTE

The vehicle's suspension and damping behaviour is restricted. The vehicle body may tilt heavily to the side during cornering.

- Drive on carefully.
- Reduce speed considerably before taking a bend.
- Avoid sudden steering movements.

- Drive on carefully.





Display messages	Possible causes/consequences and ► Solutions
	<ul style="list-style-type: none"> ► Reduce speed considerably before taking a bend. ► Avoid sudden steering movements.

RACE START cancelled

*** POSSIBLE CAUSES:**

- you released the accelerator pedal during RACE START.
- you depressed the brake pedal during RACE START.
- You can try RACE START again at the next start.

Driver assistance systems

Display messages	Possible causes/consequences and ► Solutions
 --- km/h	<ul style="list-style-type: none"> * Active Distance Assist DISTRONIC cannot be activated because not all activation conditions are fulfilled. ► Comply with the activation conditions of Active Distance Assist DISTRONIC (→ page 384).
 suspended	<ul style="list-style-type: none"> * If you depress the accelerator pedal beyond the setting of Active Distance Assist DISTRONIC, the system will switch to passive mode (→ page 381).
 Off	<ul style="list-style-type: none"> * Active Distance Assist DISTRONIC was deactivated. If a warning tone also sounds, Active Distance Assist DISTRONIC has deactivated automatically (→ page 384).

Active Distance Assist currently unavailable
See Owner's Manual

* Active Distance Assist DISTRONIC is temporarily unavailable.

The ambient conditions are outside the system limits (→ page 381).





Display messages

Possible causes/consequences and ► Solutions

As soon as the ambient conditions are within the system limits, the system will become available again.

- Drive on carefully.

or

- If the display message does not disappear, stop the vehicle in accordance with the traffic conditions and restart the vehicle.

Active Distance Assist inoperative

- * Active Distance Assist DISTROニック and Active Emergency Stop Assist are malfunctioning.

Other driving systems and driving safety systems may also be malfunctioning.

- Drive on carefully.

or

- Stop the vehicle in accordance with the traffic conditions and restart the vehicle.
- If the display message does not disappear: consult a qualified specialist workshop.

Active Distance Assist available again

- * Active Distance Assist DISTROニック is operational again.

- Switch on Active Distance Assist DISTROニック (→ page 384).

Active Brake Assist Functions currently limited See Owner's Manual

* **FOR VEHICLES WITH THE DRIVING ASSISTANCE PACKAGE, THE FOLLOWING FUNCTIONS MAY BE TEMPORARILY UNAVAILABLE OR ONLY PARTIALLY AVAILABLE:**

- Active Brake Assist
- Active Evasive Steering Assist

The ambient conditions are outside the system limits (→ page 393).

Vehicles without the Driving Assistance Package: Active Brake Assist is temporarily unavailable.

- Drive on carefully.

As soon as the ambient conditions are within the system limits, the system will become available again.

or



Display messages	Possible causes/consequences and ► Solutions
Active Brake Assist Functions limited See Owner's Manual	<p>► If the display message does not disappear, stop the vehicle in accordance with the traffic conditions and restart the vehicle.</p> <p>* FOR VEHICLES WITH THE DRIVING ASSISTANCE PACKAGE, THE FOLLOWING FUNCTIONS MAY BE TEMPORARILY UNAVAILABLE OR ONLY PARTIALLY AVAILABLE:</p> <ul style="list-style-type: none">● Active Brake Assist● Active Evasive Steering Assist <p>Vehicles without the Driving Assistance Package: Active Brake Assist is temporarily unavailable or only partially available.</p> <p>► Drive on carefully.</p> <p>or</p> <p>► Stop the vehicle in accordance with the traffic conditions and restart the vehicle. ► If the display message does not disappear: consult a qualified specialist workshop.</p>
Active Steering Assist currently unavailable See Owner's Manual	<p>* Active Steering Assist is temporarily unavailable.</p> <p>The ambient conditions are outside the system limits (→ page 389).</p> <p>As soon as the ambient conditions are within the system limits, the system will become available again.</p> <p>► Drive on</p> <p>► Check the tyre pressure if necessary.</p>
Active Steering Assist inoperative	<p>* Active Steering Assist and Active Emergency Stop Assist are malfunctioning. Active Distance Assist DISTRONIC remains available.</p> <p>► Drive on</p> <p>or</p> <p>► Stop the vehicle in accordance with the traffic conditions and restart the vehicle. ► If the display message does not disappear: consult a qualified specialist workshop.</p>





Display messages	Possible causes/consequences and ► Solutions
	<p>* Active Steering Assist has reached the system limits (→ page 389). You have not steered independently for a considerable period of time. ► Take over the steering and drive on in accordance with the traffic conditions.</p>
Active Steering Assist currently unavailable due to multiple emergency stops	<p>* Active Steering Assist is temporarily unavailable due to multiple emergency stops. ► Take over the steering and stop in accordance with the traffic conditions. ► Switch the vehicle off and then back on Active Steering Assist is available once more.</p>
	<p>* Your hands are not on the steering wheel. An emergency stop will be initiated (→ page 389). ► Make a deliberate steering movement. ► Accelerate or brake.</p>
Beginning emergency stop	<p>Information on cancelling an emergency stop (→ page 391).</p>
Active Emergency Stop Assist currently unavailable See Owner's Manual	<p>* Active Emergency Stop Assist is temporarily unavailable. The ambient conditions are outside the system limits (→ page 391). As soon as the ambient conditions are within the system limits, the system will become available again. ► Drive on or ► If the display message does not disappear, stop the vehicle in accordance with the traffic conditions and restart the vehicle.</p>
Active Emergency Stop Assist inoperative	<p>* Active Emergency Stop Assist is malfunctioning. ► Drive on or</p>



Display messages	Possible causes/consequences and ► Solutions
	<ul style="list-style-type: none">► Stop the vehicle in accordance with the traffic conditions and restart the vehicle.► If the display message does not disappear: consult a qualified specialist workshop.
Blind Spot Assist and exit warning currently unavailable <small>See Owner's Manual</small>	<p>* Blind Spot Assist is temporarily unavailable. The system limits have been reached (→ page 402). Once the cause of the problem is no longer present, the system will be available again.</p> <ul style="list-style-type: none">► Drive onor► If the display message does not disappear, stop the vehicle in accordance with the traffic conditions and restart the vehicle.
Blind Spot Assist and exit warning inoperative	<p>* Blind Spot Assist or the exit warning is malfunctioning.</p> <ul style="list-style-type: none">► Drive onor► Stop the vehicle in accordance with the traffic conditions and restart the vehicle.► If the display message does not disappear: consult a qualified specialist workshop.
Active Lane Keeping Assist currently unavailable <small>See Owner's Manual</small>	<p>* Active Lane Keeping Assist is temporarily unavailable. The ambient conditions are outside the system limits (→ page 403). As soon as the ambient conditions are within the system limits, the system will become available again.</p> <ul style="list-style-type: none">► Drive on
Active Lane Keeping Assist inoperative	<p>* Active Lane Keeping Assist and Active Emergency Stop Assist are malfunctioning.</p> <ul style="list-style-type: none">► Drive onor► Stop the vehicle in accordance with the traffic conditions and restart the vehicle.► If the display message does not disappear: consult a qualified specialist workshop.



Display messages

Possible causes/consequences and ► Solutions

Active Lane Keeping Assist functions restricted
See Owner's Manual

* Active Lane Keeping Assist is available but restricted.

- Drive on

or

- Stop the vehicle in accordance with the traffic conditions and restart the vehicle.
- If the display message does not disappear: consult a qualified specialist workshop.



temporarily unavailable Sensors dirty

* FRONT AND CORNER RADAR SENSORS (HEREAFTER "SENSORS") ARE MALFUNCTIONING. POSSIBLE CAUSES:

- The sensors are dirty
- Heavy rain or snow
- Extended country driving without other traffic (e.g. in the desert)

Driving systems and driving safety systems may be malfunctioning or temporarily unavailable. The brake system, steering and drive system will continue to function normally.

- Drive on carefully.

Once the causes of the problem are no longer present, the driving systems and driving safety systems will be available again and the corresponding symbols will be switched off.

If the display message does not disappear:

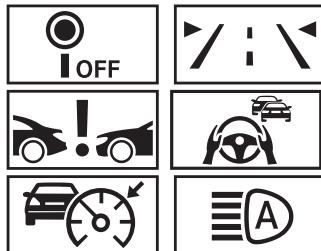
- Stop the vehicle in accordance with the traffic conditions.
- Clean all sensor covers from the outside (→ page 365).
- Restart the vehicle.





Display messages

Possible causes/consequences and ► Solutions



Camera view restricted See Owner's Manual

* THE VIEW OF THE MULTIFUNCTION CAMERA IS RESTRICTED. POSSIBLE CAUSES:

- Dirt on the windscreen in the field of vision of the multifunction camera
- Heavy rain, snow or fog
- Mist on the inside or outside of the windscreen: in certain weather conditions, mist can form on the inside or outside of the windscreen during cold times of year in particular.

This mist on the windscreen will be removed automatically within a short time with the aid of a heater. The restriction is temporary.

Driving systems and driving safety systems may be malfunctioning or temporarily unavailable. The brake system, steering and drive system will continue to function normally.

- ▶ Drive on carefully.
- ▶ To remove mist from the outside, wipe once (→ page 264).
- ▶ To remove the mist from the inside, press (→ page 276).

Once the causes of the problem are no longer present, the driving systems and driving safety systems will be available again and the corresponding symbols will be switched off.

If the display message does not disappear even after a driving time of about 15 minutes:

- ▶ Stop the vehicle in accordance with the traffic conditions.
- ▶ Clean the windscreen, especially in the position of the multifunction camera (→ page 365).
- ▶ Restart the vehicle.

PRE-SAFE inoperative See Owner's Manual

- * The PRE-SAFE® functions are malfunctioning.
- ▶ Consult a qualified specialist workshop.





Parking assistance systems

Display messages	Possible causes/consequences and ► Solutions
PARKTRONIC inoperative See Owner's Manual	<p>* Parking Assist PARKTRONIC is malfunctioning. Once the cause of the problem is no longer present, the system will be available again.</p> <p>► Continue driving while paying attention to the vehicle's surroundings. or ► Stop the vehicle in accordance with the traffic conditions and restart the vehicle. ► If the display message still appears, consult a qualified specialist workshop.</p>
Active Parking Assist and PARKTRONIC inoperative See Owner's Manual	<p>* Active Parking Assist and Parking Assist PARKTRONIC are malfunctioning. Once the cause of the problem is no longer present, the system will be available again.</p> <p>► Continue driving while paying attention to the vehicle's surroundings. or ► Stop the vehicle in accordance with the traffic conditions and restart the vehicle. ► If the display message still appears, consult a qualified specialist workshop.</p>

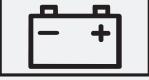
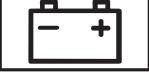
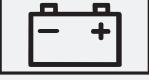
Mercedes-Benz emergency call system

Display messages	Possible causes/consequences and ► Solutions
 Inoperative	<p>* The Mercedes-Benz emergency call system is malfunctioning. The Mercedes me connect system is also malfunctioning.</p> <p>► Consult a qualified specialist workshop.</p>





Battery

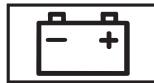
Display messages	Possible causes/consequences and ► Solutions
 12 V on-board electrical system Visit workshop	<ul style="list-style-type: none">* The 12 V on-board electrical system is malfunctioning.► Consult a qualified specialist workshop immediately.
 Stop vehicle See Owner's Manual	<ul style="list-style-type: none">* The 12 V battery is no longer being charged and the state of charge is too low. <div style="border: 2px solid #ccc; padding: 10px; margin-top: 10px;"><p>! NOTE</p><p>Possible engine damage if you continue driving</p><ul style="list-style-type: none">► Do not continue driving under any circumstances.► Consult a qualified specialist workshop.</div> <ul style="list-style-type: none">► Stop the vehicle immediately in accordance with the traffic conditions. Do not continue driving.► Switch off the vehicle.► Consult a qualified specialist workshop.
 Start the vehicle to charge the 12 V battery	<ul style="list-style-type: none">* The vehicle is off and the state of charge of the 12 V battery is too low.► Switch off electrical consumers that are not required.► Drive for 30-60 mins. <p>or</p> <ul style="list-style-type: none">► Charge the 12 V battery when stationary (→ page 67).► Plug-in hybrid: Charge the vehicle at a charging station (→ page 337).





Display messages

Possible causes/consequences and ► Solutions



Stop vehicle Leave vehicle on to charge the 12 V battery

- * The state of charge of the 12 V battery is too low.
 - Stop the vehicle immediately in accordance with the traffic conditions. Do not continue driving.
 - Leave the vehicle running
 - If the display message disappears: drive on.
 - If the display message does not disappear: consult a qualified specialist workshop.



Battery overheated Stop, everybody out! Outdoors if possible

- * The 48 V battery is overheating. There is a risk of fire.
 - Stop the vehicle immediately in accordance with the traffic conditions.
 - If possible, stop the vehicle in the open air and ensure that all vehicle occupants get out.

 Supporting vehicle functions may activate automatically, e.g. air-recirculation mode as part of climate control.

- Do not continue driving.
- If smoke is present, leave the danger zone and call the fire service immediately.
- Consult a qualified specialist workshop even if there are no external signs of a fire.



48 V battery See Owner's Manual

- * The 48 V on-board electrical system has function restrictions.

Comfort functions, such as the air-conditioning system, may be available only to a limited extent.

It is possible to drive on.

- If the display message remains active permanently, consult a qualified specialist workshop immediately.



Please wait 48 V battery charging

- * The 48 V battery is discharged. You have switched on the vehicle while the 12 V battery was being charged with a suitable charger or while another vehicle was providing starting assistance.

The discharged 48 V battery is charged automatically via the voltage converter. After a few minutes, the [Possible to start the vehicle again](#) display message will be shown on the driver's display.





Display messages	Possible causes/consequences and ► Solutions
	<ul style="list-style-type: none">► Start the vehicle.► Drive the vehicle for a while to charge the 12 V battery and the 48 V battery after disconnecting the charger from the vehicle. <p>If the Possible to start the vehicle again display message does not appear after a few minutes:</p> <ul style="list-style-type: none">► Try to start the vehicle.► If the vehicle does not start, consult a qualified specialist workshop.
Possible to start the vehicle again	<p>* The 48 V battery has been charged automatically via the voltage converter.</p> <ul style="list-style-type: none">► Start the vehicle and drive for a while to charge the 12 V battery and the 48 V battery.

Tyre pressure monitor

Display messages	Possible causes/consequences and ► Solutions
Tyre press. monitor currently unavailable	<p>* There is interference from a powerful radio signal source. As a result, no signals from the tyre pressure sensors are being received. The tyre pressure monitoring system is temporarily unavailable.</p> <p>The tyre pressure monitoring system will restart automatically as soon as the cause has been rectified.</p> <ul style="list-style-type: none">► Drive on
Tyre press. monitor inoperative	<p>* The tyre pressure monitoring system is malfunctioning.</p>



[Display messages](#)[Possible causes/consequences and ► Solutions](#)**⚠ WARNING**

There is a risk of an accident if the tyre pressure monitoring system is malfunctioning.

The tyre pressure monitoring system cannot issue a warning if there is pressure loss in one or more of the tyres.

Tyres with insufficient tyre pressure may impair the driving characteristics as well as steering and braking.

- Have the tyre pressure monitoring system checked at a qualified specialist workshop.

- Consult a qualified specialist workshop.

Tyre pressure monitor inoperative No tyre pressure sensors

* The wheels fitted do not have suitable tyre pressure sensors. The tyre pressure monitoring system is deactivated.

- Fit wheels with suitable tyre pressure sensors.

* There is no signal from the tyre pressure sensor in at least one wheel. No pressure value is displayed for the affected tyre.

- Have the faulty tyre pressure sensor replaced at a qualified specialist workshop.

Wheel sensor(s) missing

* The tyre pressure in one or more tyres has dropped significantly.

The wheel position is displayed. A warning tone will also sound.

Check tyre(s)

**Display messages****Possible causes/consequences and ► Solutions****⚠ WARNING**

Risk of an accident due to insufficient tyre pressure

- The tyres can burst.
- The tyres can wear excessively and/or unevenly.
- The driving characteristics as well as the steering and braking may be greatly impaired.

You could then lose control of the vehicle.

- Observe the recommended tyre pressures.
- Adjust the tyre pressure if necessary.

- Stop the vehicle in accordance with the traffic conditions.
- Check the tyre pressure (→ page 664) and the tyres.

**Rectify tyre pressure**

* The tyre pressure is too low in at least one of the tyres, or the difference in tyre pressure between the individual wheels is too great.

- Check the tyre pressure and add air, if necessary.
- When the tyre pressure is correct, restart the tyre pressure monitor (→ page 666).

**Warning tyre malfunction**

* The pressure in one or more tyres has dropped suddenly. The wheel position is displayed.



**Display messages****Possible causes/consequences and ► Solutions****⚠ WARNING**

Risk of an accident from driving with a flat tyre

- The tyres can overheat and be damaged.
- The driving characteristics as well as the steering and braking characteristics may be greatly impaired.

You could then lose control of the vehicle.

- ▶ Do not drive with a flat tyre.
- ▶ Do not exceed the maximum permissible driving distance in emergency mode and the maximum permissible speed with a flat MOExtended tyre.
- ▶ Observe the notes on flat tyres.

Notes on flat tyres (→ page 70).

- ▶ Stop the vehicle in accordance with the traffic conditions.
- ▶ Check the tyres.

* At least one tyre is overheating. The affected tyres are displayed in red. At temperatures close to the limit value, the tyres are displayed in yellow.



Tyre(s) overheated

⚠ WARNING

Risk of an accident from driving with overheated tyres

Overheated tyres can burst.

- ▶ Reduce speed so that the tyres cool down.

- ▶ Reduce your speed so that the tyres cool down.





Display messages	Possible causes/consequences and ► Solutions
 Reduce speed	<p>* At least one tyre is overheating. The affected tyres are displayed in red. At temperatures close to the limit value, the tyres are displayed in yellow.</p> <p>⚠ WARNING Risk of an accident from driving with overheated tyres Overheated tyres can burst.</p> <p>► Reduce speed so that the tyres cool down.</p> <p>► Reduce your speed so that the tyres cool down.</p>

Tyre pressure loss warning system

Display messages	Possible causes/consequences and ► Solutions
Tyre pressure Check tyres	<p>* The tyre pressure loss warning system has detected a significant loss of pressure.</p> <p>⚠ WARNING Risk of an accident due to insufficient tyre pressure</p> <ul style="list-style-type: none">• The tyres can burst.• The tyres can wear excessively and/or unevenly.• The driving characteristics as well as the steering and braking may be greatly impaired. <p>You could then lose control of the vehicle.</p> <p>► Observe the recommended tyre pressures.</p> <p>► Adjust the tyre pressure if necessary.</p>



Display messages	Possible causes/consequences and ► Solutions
	<ul style="list-style-type: none"> ► Stop the vehicle in accordance with the traffic conditions. ► Check the tyre pressure (→ page 664) and the tyres. ► When the tyre pressure is correct, restart the tyre pressure loss warning system (→ page 667).
Check tyre pressure, then restart Run Flat Indicator	<ul style="list-style-type: none"> * The tyre pressure loss warning system generated a display message and has not been restarted since. ► When the tyre pressure is correct, restart the tyre pressure loss warning system (→ page 667).
Run Flat Indicator inoperative	<ul style="list-style-type: none"> * The tyre pressure loss warning system is malfunctioning. ► Consult a qualified specialist workshop.

Exhaust gas aftertreatment

Display messages	Possible causes/consequences and ► Solutions
	<ul style="list-style-type: none"> * The AdBlue® level has dropped to the reserve range. ► Top up with at least 5 l of AdBlue® (→ page 40). <p>Refill AdBlue See Owner's Manual</p>
	<ul style="list-style-type: none"> * The low AdBlue® level will lead to an output restriction after the remaining distance displayed has been driven. ► Top up with at least 5 l of AdBlue® (→ page 40). <p>Top up AdBlue Emergency op. in XXX km See Owner's Manual</p>
	<ul style="list-style-type: none"> * The low AdBlue® level will lead to an output restriction from the speed displayed. After the remaining distance displayed has been driven, it will no longer be possible to start the vehicle. ► Top up with at least the amount of AdBlue® (→ page 40). <p>Top up AdBlue XX,X I Emerg. op.: max. XXX km/h Start not poss. in XXX km</p>





Display messages

Possible causes/consequences and ► Solutions



Top up XX,X l AdBlue Switch vehicle on, wait 60 sec. or engine start not poss

- * The AdBlue® tank is empty. You can no longer start the vehicle.
- Top up with at least the amount of AdBlue® displayed (→ page 40).
- Switch on the vehicle and wait for approximately 60 seconds.
- Start the vehicle.



AdBlue system fault See Owner's Manual

- * The AdBlue® system is malfunctioning.
- Consult a qualified specialist workshop immediately.



AdBlue system malfunction Emergency op. in XXX km See Owner's Manual

- * The AdBlue® system is malfunctioning. Performance will be reduced once the remaining distance displayed has been covered.
- Consult a qualified specialist workshop immediately.



AdBlue system malfunction Emerg. op.: max. XXX km/h Start not poss. in XXX km

- * Power restriction due to the AdBlue® system fault. After the distance displayed has been covered, it will no longer be possible to start the vehicle.
- Consult a qualified specialist workshop immediately.



AdBlue system fault Engine start not possible

- * The AdBlue® system is malfunctioning. You can no longer start the vehicle.
- Consult a qualified specialist workshop immediately.





Engine oil

Display messages	Possible causes/consequences and ► Solutions
 Add 1 litre engine oil when next refuelling	<p>* The engine oil level has dropped to the minimum level.</p> <div style="border: 1px solid black; padding: 10px;"><p>! NOTE Engine damage caused by driving with insufficient engine oil ► Avoid long journeys with insufficient engine oil.</p><p>► When next refuelling, add 1 litre of engine oil (→ page 613).</p><p>Notes on engine oil (→ page 758).</p></div>
 Engine oil level Reduce oil level	<p>* The engine oil level is too high.</p> <div style="border: 1px solid black; padding: 10px;"><p>! NOTE Engine damage caused by driving with excess engine oil ► Avoid long journeys with excess engine oil.</p><p>► Consult a qualified specialist workshop immediately and have the engine oil level reduced.</p></div>
 Engine oil level Stop Switch off the vehicle	<p>* The engine oil level is too low.</p> <div style="border: 1px solid black; padding: 10px;"><p>! NOTE Engine damage caused by driving with insufficient engine oil ► Avoid long journeys with insufficient engine oil.</p><p>► Stop the vehicle immediately in accordance with the traffic conditions. Do not continue driving.</p></div>



Display messages	Possible causes/consequences and ► Solutions
	<ul style="list-style-type: none">► Switch off the vehicle.► Add 1 l of engine oil (→ page 613).► Check the engine oil level. <p>Notes on engine oil (→ page 758).</p>
	<p>* The oil pressure is too low.</p> <div style="border: 2px solid #ccc; padding: 10px; margin-top: 10px;"><p>! NOTE</p><p>Engine damage caused by driving with insufficient oil pressure</p><ul style="list-style-type: none">► Avoid driving with insufficient oil pressure.</div> <ul style="list-style-type: none">► Stop the vehicle immediately in accordance with the traffic conditions. Do not continue driving.► Switch off the vehicle.► Consult a qualified specialist workshop. <p>* The electrical connection to the oil level sensor has been interrupted or the oil level sensor is faulty.</p> <ul style="list-style-type: none">► Consult a qualified specialist workshop.
 	



< Warning and indicator lamps

Overview of indicator and warning lamps

Some systems will perform a self-test when the vehicle is switched on. Some indicator and warning lamps may briefly light up or flash. This behaviour is non-critical. These indicator and warning lamps indicate a malfunction only if they light up or flash after the vehicle has been started or during a journey.

The indicator and warning lamps are located in the highlighted display sections.

STANDARD DRIVER DISPLAY



WIDESCREEN COCKPIT DRIVER DISPLAY



INDICATOR AND WARNING LAMPS

OCCUPANT SAFETY

- Restraint system (→ page 834)

- Seat belt (→ page 834)

- Occupant presence reminder (white) (→ page 834)

- Occupant presence reminder (yellow) (→ page 834)

DRIVE SYSTEM

- Reduced power (→ page 836)

- System error (→ page 836)

- Electrical fault (→ page 836)

VEHICLE

- Power steering (yellow) (→ page 837)

- Power steering (red) (→ page 837)



**ENGINE**

- | | | | |
|---|---|---|----------------------------------|
|  | Vehicles with widescreen cockpit: coolant temperature
(→ page 837) |  | ESP® OFF (→ page 842) |
|  | Engine diagnosis (→ page 837) |  | ESP® OFF (→ page 842) |
|  | Vehicles with petrol engine: engine operating temperature
(→ page 837) |  | ESP® SPORT (→ page 842) |
|  | Engine operating temperature (Mercedes-AMG vehicles)
(→ page 837) |  | ATTENTION ASSIST (→ page 842) |
|  | Vehicles with diesel engine: preglow |  | Traffic Sign Assist (→ page 842) |
|  | Electrical fault (→ page 837) |  | Distance warning (→ page 842) |
|  | Reserve fuel with fuel filler flap location indicator (→ page 837) |  | Active Brake Assist (→ page 842) |
| | |  | Active Brake Assist (→ page 842) |
| | |  | Indicator lamp inoperative |
| | |  | AMG RIDE CONTROL (→ page 842) |

BRAKES

- | | |
|---|--|
|  | Electric parking brake (yellow) (→ page 840) |
|  | Electric parking brake (red) (→ page 840) |
|  | Brakes (yellow) (→ page 840) |
|  | Brakes (red) (→ page 840) |

DRIVING AND DRIVING SAFETY SYSTEMS

- | | |
|---|-------------------|
|  | ABS (→ page 842) |
|  | ESP® (→ page 842) |

MERCEDES-BENZ EMERGENCY CALL SYSTEM

- | | |
|---|--|
|  | Mercedes-Benz emergency call system (→ page 847) |
|---|--|

TYRE PRESSURE MONITOR

- | | |
|---|------------------------------------|
|  | Tyre pressure monitor (→ page 847) |
|---|------------------------------------|

EXTERIOR LIGHTING

- | | |
|---|--------------------------|
|  | Side lights (→ page 251) |
|---|--------------------------|



 Low beam (→ page 251) High beam (→ page 253) Turn signal lights (→ page 253) Rear fog light (→ page 251)

SYMBOLS ON THE CENTRAL DISPLAY

 Drive Away Assist (→ page 426) Cross Traffic Alert (→ page 427) Close-range braking (→ page 428)

Occupant safety

Warning/indicator lamp	Possible causes/consequences and ► Solutions
 Restraint system warning lamp	<p>* The restraint system red warning lamp is lit while the vehicle is on. The restraint system is malfunctioning (→ page 133).</p> <div style="border: 1px solid black; padding: 10px; margin-top: 10px;"><p>⚠ WARNING</p><p>Risk of injury due to malfunctions in the restraint system Components in the restraint system may be activated unintentionally or not deploy as intended in an accident.</p><p>► Have the restraint system checked and repaired immediately at a qualified specialist workshop.</p></div> <p>Plug-in hybrid:</p>





Warning/indicator lamp

Possible causes/consequences and ► Solutions

DANGER

Risk of fatal injuries due to restraint system malfunctions

Components in the restraint system may be activated unintentionally or not deploy as planned in an accident. In the event of an accident, the high-voltage on-board electrical system may not be deactivated as intended.

You may suffer an electric shock if you touch the damaged components of the high-voltage on-board electrical system.

- Have the restraint system checked and repaired immediately at a qualified specialist workshop.
- After an accident, switch off the vehicle immediately.

- Drive on carefully.
- Note the messages on the driver display.
- Consult a qualified specialist workshop immediately.



Seat belt warning lamp flashes

* The red seat belt warning lamp flashes and an intermittent warning tone sounds.
The driver or front passenger has not fastened his/her seat belt while the vehicle is in motion.

- Fasten your seat belt (→ page 133).
- There are objects on the front passenger seat.
- Remove the objects from the front passenger seat.



Seat belt warning lamp lights up

* The red seat belt warning lamp lights up once the vehicle has started.

In addition, an intermittent warning tone may sound.
The red seat belt warning lamp reminds the driver and front passenger to fasten their seat belts.

- Fasten your seat belt (→ page 133).

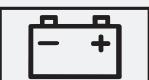
If you have placed objects on the front passenger seat, the red seat belt warning lamp may remain lit.





Warning/indicator lamp	Possible causes/consequences and ► Solutions
 Occupant presence reminder warning lamp (white)	* The white occupant presence reminder warning lamp is lit. The occupant presence reminder is deactivated. ► Switch on the occupant presence reminder, see (→ page 179).
 Occupant presence reminder warning lamp (yellow)	* The yellow occupant presence reminder warning lamp is lit. The occupant presence reminder is malfunctioning. ► Note the messages on the driver display.

Drive system

Warning/indicator lamp	Possible causes/consequences and ► Solutions
 Reduced-power warning lamp	* The yellow reduced-power warning lamp is on. Drive system power output is reduced. ► Note the messages on the driver display.
 System error warning lamp	* The red system error warning lamp is lit while the vehicle is in a state of operational readiness READY . There is a malfunction in the drive system. ► Note the messages on the driver display.
 Electrical fault warning lamp	* The red electrical fault warning lamp is lit. There is a fault with the electrics. ► Note the messages on the driver display.





Vehicle

Warning/indicator lamp	Possible causes/consequences and ► Solutions
	<p>* The yellow power steering warning lamp is lit while the vehicle is running. The power assistance or the steering itself is malfunctioning.</p> <p>► Note the messages on the driver display.</p>
	<p>* The red power steering warning lamp is lit while the vehicle is running. The power assistance or the steering itself is malfunctioning.</p> <p>► Note the messages on the driver display.</p> <div style="border: 2px solid #ccc; padding: 10px; margin-top: 10px;"><p>⚠ WARNING Risk of accident if steering capability is impaired If the steering does not function as intended, the vehicle's operating safety is jeopardised.</p><p>► Pull over and stop the vehicle safely as soon as possible, paying attention to road and traffic conditions. Do not continue driving under any circumstances.</p><p>► Consult a qualified specialist workshop.</p></div>

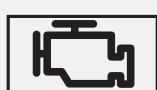
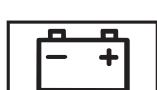
Engine

Warning/indicator lamp	Possible causes/consequences and ► Solutions
	<p>* The red coolant warning lamp is lit while the engine is running.</p> <p>POSSIBLE CAUSES:</p> <ul style="list-style-type: none">• The temperature sensor is malfunctioning• The coolant level is too low



Warning/indicator lamp	Possible causes/consequences and ► Solutions
	<ul style="list-style-type: none">● The air supply to the radiator is obstructed● The radiator fan is faulty● The engine coolant pump is faulty <p>If there is an additional warning tone, the coolant temperature has exceeded 120°C.</p> <div style="border: 1px solid black; padding: 10px; margin-top: 10px;"><p>⚠ WARNING Risk of burns when opening the bonnet</p><p>IF YOU OPEN THE BONNET IN THE EVENT OF AN OVERHEATED ENGINE OR FIRE IN THE ENGINE COMPARTMENT, THE FOLLOWING SITUATIONS MAY OCCUR:</p><ul style="list-style-type: none">● You may come into contact with hot gases.● You may come into contact with other escaping hot operating fluids.▶ Before opening the bonnet, allow the engine to cool down.▶ In the event of a fire in the engine compartment, keep the bonnet closed and call the fire service.<p>▶ Stop immediately in accordance with the traffic conditions and switch off the vehicle. Do not continue driving.</p><p>▶ Note the messages on the driver display.</p></div> <p>If the coolant temperature display is at the lower end of the temperature scale:</p> <ul style="list-style-type: none">▶ Consult a qualified specialist workshop. <p>If the coolant temperature display is at the upper end of the temperature scale:</p> <ul style="list-style-type: none">▶ Exit the vehicle and keep a safe distance from it until the engine has cooled down.



Warning/indicator lamp	Possible causes/consequences and ► Solutions
	<ul style="list-style-type: none"> ► Check the coolant level (→ page 615). ► Make sure that the air supply to the radiator is not obstructed. ► Avoiding high loads on the engine, drive to the nearest qualified specialist workshop. In doing so, ensure that the coolant temperature display remains below 120°C.
 Coolant warning lamp (yellow)	<p>* The yellow coolant warning lamp is lit while the engine is running.</p> <p>POSSIBLE CAUSES:</p> <ul style="list-style-type: none"> ● The temperature sensor is malfunctioning ● The charge air, transmission oil or battery cooling is faulty ● The radiator shutters are blocked or defective <ul style="list-style-type: none"> ► Avoiding high loads on the engine, drive to the nearest qualified specialist workshop.
 Engine diagnostics warning lamp	<p>* The yellow engine diagnostics warning lamp is lit while the engine is running. A malfunction has occurred in the engine, the exhaust system or the fuel system.</p> <p>The emissions limit value may have been exceeded and the engine may be running in emergency operation mode.</p> <ul style="list-style-type: none"> ► Have the vehicle checked as soon as possible at a qualified specialist workshop. <p>Vehicles with a diesel engine: the fuel tank may have been run dry.</p> <ul style="list-style-type: none"> ► Start the engine three to four times after refuelling. <p>If the yellow engine diagnosis warning lamp goes out, emergency operation mode is cancelled. The vehicle need not be checked.</p>
 Electrical fault warning lamp	<p>* The red electrical fault warning lamp is lit. There is a fault in the electrics.</p> <ul style="list-style-type: none"> ► Note the messages on the driver display.
 Engine operating temperature warning lamp	<p>* The blue warning lamp for engine operating temperature will remain lit until the engine operating temperature has been reached. The engine output and engine torque will remain reduced until then.</p> <ul style="list-style-type: none"> ► Take this into consideration in your driving style.





Warning/indicator lamp	Possible causes/consequences and ► Solutions
	<p>* Vehicles with a petrol engine: after a cold start, the blue engine operating temperature warning lamp is on. Engine output and engine torque are reduced.</p> <p>► Take this into consideration in your driving style.</p>
	<p>* The yellow fuel reserve warning lamp lights up while the engine is running. The fuel supply has dropped into the reserve range.</p> <p>► Refuel.</p>

Brakes

Warning/indicator lamp	Possible causes/consequences and ► Solutions
	<p>* The red electric parking brake indicator lamp flashes or is lit. The yellow electric parking brake indicator lamp is also lit up in the event of a malfunction.</p> <p>► Note the messages on the driver display.</p>
	
	<p>* The yellow brake warning lamp is lit while the vehicle is running.</p>





Warning/indicator lamp

Possible causes/consequences and ► Solutions

⚠ WARNING

Risk of an accident due to a brake system malfunction

If the brake system is malfunctioning, braking characteristics may be impaired.

- Drive on carefully.
 - Have the brake system checked immediately at a qualified specialist workshop.
-
- Adjust your speed and drive on carefully, leaving a suitable distance to the vehicle in front.
 - If the driver's display shows a display message, observe it.
 - Consult a qualified specialist workshop.

* The red brakes warning lamp is lit while the vehicle is running.

POSSIBLE CAUSES:

- The brake force boosting is malfunctioning and the braking characteristics may be affected.
 - There is insufficient brake fluid in the brake fluid reservoir.
-
- Note the messages on the driver display.

⚠ WARNING

Risk of accident and injury if brake force boosting is malfunctioning

If brake force boosting is malfunctioning, increased brake pedal force may be necessary for braking. The braking characteristics may be impaired. The braking distance can increase in emergency braking situations.

- Stop in a safe location immediately. Do not continue driving!
- Consult a qualified specialist workshop.



Brakes warning lamp (red)





Warning/indicator lamp

Possible causes/consequences and ► Solutions

⚠ WARNING

Risk of an accident due to low brake fluid level

If the brake fluid level is too low, the braking effect and the braking characteristics may be impaired.

- ▶ Stop the vehicle as soon as possible, paying attention to road and traffic conditions. Do not continue driving.
- ▶ Consult a qualified specialist workshop.
- ▶ Do not top up the brake fluid.

Driving and driving safety systems

Warning/indicator lamp

Possible causes/consequences and ► Solutions



ABS warning lamp

* The yellow ABS warning lamp is lit while the vehicle is running.
ABS is malfunctioning.

If an additional warning tone sounds, EBD is malfunctioning.

Other driving systems and driving safety systems may also be malfunctioning.

- ▶ Note the messages on the driver display.





Warning/indicator lamp

Possible causes/consequences and ► Solutions

⚠ WARNING

There is a risk of skidding if EBD or ABS is malfunctioning

The wheels may lock during braking.

The steerability and braking characteristics are heavily impaired and the braking distance may increase. In addition, other driving safety systems are switched off.

- Drive on carefully.
 - Have the brake system checked immediately at a qualified specialist workshop.
-
- Drive on carefully.
 - Consult a qualified specialist workshop.



ESP® warning lamp flashes

- * The yellow ESP® warning lamp flashes while the vehicle is in motion.
One or more wheels have reached their grip limit (→ page 368).

One or more wheels have reached their grip limit (→ page 369).

- Adapt your driving style to suit the road and weather conditions.



ESP® warning lamp lights up

- * The yellow ESP® warning lamp is lit while the vehicle is running.
ESP® is malfunctioning.

Other driving systems and driving safety systems (e.g. BAS) may also be malfunctioning.

- Note the messages on the driver display.





Warning/indicator lamp

Possible causes/consequences and ► Solutions

⚠ WARNING

Risk of skidding if ESP is malfunctioning^{*}

If ESP^{*} is malfunctioning, ESP^{*} cannot carry out vehicle stabilisation. In addition, other driving safety systems are switched off.

- Drive on carefully.
 - Have ESP^{*} checked at a qualified specialist workshop.
-
- Drive on carefully.
 - Consult a qualified specialist workshop immediately.

* The yellow ESP^{*} OFF warning lamp is lit while the vehicle is running.
ESP^{*} is deactivated.

Other driving systems and driving safety systems may also be inoperative.



ESP^{*} OFF warning lamp

⚠ WARNING

Risk of skidding when driving with ESP^{*} deactivated

ESP^{*} does not act to stabilise the vehicle. The availability of further driving safety systems is also limited.

- Drive on carefully.
- Deactivate ESP^{*} only for as long as the situation requires.

If ESP^{*} cannot be activated, ESP^{*} is malfunctioning.

- Have ESP^{*} checked immediately at a qualified specialist workshop.

**Warning/indicator lamp****Possible causes/consequences and ► Solutions**

- Observe the notes on deactivating ESP® (→ page 368).

**ESP OFF**

* The yellow ESP® OFF warning lamps are lit while the vehicle is running.
ESP® is deactivated.

Other driving systems and driving safety systems may also be inoperative.

⚠ WARNING

Risk of skidding when driving with ESP® deactivated

ESP® does not act to stabilise the vehicle. The availability of further driving safety systems is also limited.

- Drive on carefully.
- Deactivate ESP® only for as long as the situation requires.

If ESP® cannot be activated, ESP® is malfunctioning.

- Have ESP® checked immediately at a qualified specialist workshop.

- Observe the notes on deactivating ESP® (→ page 369).

**ESP SPORT**

* ESP® SPORT is activated while the vehicle is running.

When ESP® SPORT is activated, ESP® will stabilise the vehicle only to a limited extent.

⚠ WARNING

Risk of skidding if ESP® SPORT is used incorrectly

When you activate ESP® SPORT, there is an increased risk of skidding and having an accident.

- Activate ESP® SPORT only in the circumstances described below.





Warning/indicator lamp	Possible causes/consequences and ► Solutions
	<p>► Observe the notes on activating ESP® SPORT (→ page 369).</p>
Attention Assist warning lamp	<ul style="list-style-type: none">* The ATTENTION ASSIST warning lamp is lit. ATTENTION ASSIST is malfunctioning. <p>► Consult a qualified specialist workshop.</p>
	<ul style="list-style-type: none">* The Traffic Sign Assist warning lamp is lit. Traffic Sign Assist is malfunctioning. <p>► Note the messages on the driver display.</p>
Warning lamp for distance warning	<ul style="list-style-type: none">* The red distance warning lamp lights up while the vehicle is in motion. The distance to the vehicle in front is too small for the speed selected. <p>If there is an additional warning tone, you are approaching an obstacle at too high a speed.</p> <p>► Be prepared to brake immediately.</p> <p>► Increase the distance.</p> <p>Function of Active Brake Assist (→ page 393).</p>
	<ul style="list-style-type: none">* The Active Brake Assist warning lamp is on. Due to dirty sensors or a malfunction, the system is not available or the range of functions is restricted. <p>► Note the messages on the driver display.</p>
	<ul style="list-style-type: none">* The Active Brake Assist warning lamp is on. The system is switched off or the range of functions has been automatically restricted. <p>This may be the case if another driving system has been activated.</p> <p>► Observe the notes on Active Brake Assist (→ page 393).</p>





Warning/indicator lamp

Possible causes/consequences and ► Solutions



Suspension warning lamp (yellow)

* The yellow AMG RIDE CONTROL warning lamp is lit.
There is a fault in the AMG RIDE CONTROL.

- Note the messages on the driver display.

Mercedes-Benz emergency call system

Warning/indicator lamp

Possible causes/consequences and ► Solutions

Mercedes-Benz emergency call system
warning lamp

* The Mercedes-Benz emergency call system is malfunctioning. The Mercedes me connect system is also malfunctioning.
► Consult a qualified specialist workshop.

Tyre pressure monitor

Warning/indicator lamp

Possible causes/consequences and ► Solutions

Tyre pressure monitoring system warn-
ing lamp flashes

* The yellow tyre pressure monitor warning lamp (pressure loss/malfunction) flashes for approximately one minute and then remains lit.
The tyre pressure monitoring system is malfunctioning.

⚠ WARNING

There is a risk of an accident if the tyre pressure monitoring system is malfunctioning

The tyre pressure monitoring system cannot issue a warning if there is pressure loss in one or more of the tyres.

Tyres with insufficient tyre pressure may impair the driving characteristics as well as steering and braking.

- Have the tyre pressure monitoring system checked at a qualified specialist workshop.



Warning/indicator lamp	Possible causes/consequences and ► Solutions
 Tyre pressure monitoring system warning lamp lights up	<p>► Consult a qualified specialist workshop.</p> <p>* The yellow tyre pressure monitoring system warning lamp (pressure loss/malfunction) is lit. The tyre pressure monitoring system has detected tyre pressure loss in at least one of the tyres.</p> <p>⚠ WARNING Risk of an accident due to insufficient tyre pressure</p> <ul style="list-style-type: none">● The tyres can burst.● The tyres can wear excessively and/or unevenly.● The driving characteristics as well as the steering and braking may be greatly impaired. <p>You could then lose control of the vehicle.</p> <ul style="list-style-type: none">► Observe the recommended tyre pressures.► Adjust the tyre pressure if necessary. <p>► Stop the vehicle in accordance with the traffic conditions.</p> <p>► Check the tyre pressure and the tyres.</p>





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**Additives**

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Advanced sound system

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Burmester® surround sound system

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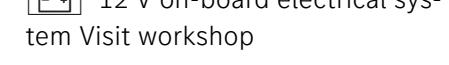
--- km/h



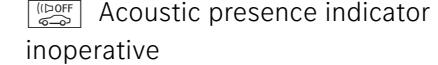
--- km/h



--- km/h

12 V on-board electrical system
Visit workshop

48 V battery See Owner's Manual

Acoustic presence indicator
inoperative



Active Light System inoperative



AdBlue system fault Engine start not possible



AdBlue system fault See Owner's Manual



AdBlue system malfunction
Emerg. op.: max. XXX km/h Start not poss. in XXX km



AdBlue system malfunction
Emergency op. in XXX km See Owner's Manual



Add 1 litre engine oil when next refuelling



ATTENTION ASSIST: Take a break!



Automatic driving lights inoperative



Battery overheated Stop, everybody out! Outdoors if possible



Before starting the engine, turn the steering wheel.



Beginning emergency stop



Camera view restricted See Owner's Manual



Change key batteries



Charger cable connected



Check brake fluid level



Check tyre(s)



Clean the fuel filter



Coolant Stop Switch off the vehicle



Currently unavailable Battery low



Currently unavailable Charge high-voltage battery



Currently unavailable High-voltage battery charging incomplete.



Currently unavailable Refuel



currently unavailable See Owner's Manual (ABS and ESP[®])



currently unavailable See Owner's Manual (ESP[®])



Do not leave persons or animals in the vehicle



Dynamic low beam inoperative



Engine oil level cannot be measured





- Engine oil level Reduce oil level >
- Engine oil level Stop Switch off the vehicle >
- Engine oil pressure Stop Switch off the vehicle >
- Front left malfunction Consult workshop >
- Front left parking lights >
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- Right mirror turn signal >
- Right tail light >
- Right window airbag malfunction Consult workshop >

- Second row of seats, left Malfunction Consult workshop >
- Second row of seats, right Malfunction Consult workshop >
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- Steering malfunction Increased physical effort See Owner's Manual >
- Steering malfunction See Owner's Manual >
- Steering malfunction Stop immediately See Owner's Manual >
- Stop Switch off the vehicle >
- Stop vehicle Leave vehicle on to charge the 12 V battery >
- Stop vehicle See Owner's Manual >

- suspended >
- Switch off lights >
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- Third brake lamp >
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Only electric drive available Power limited



Only select P when vehicle is stationary



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Place the key in the marked space See Owner's Manual



Possible to start the vehicle again



PRE-SAFE inoperative See Owner's Manual



RACE START cancelled



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Reversing not poss. Consult workshop



Risk of vehicle rolling away Apply parking brake to park



Risk of vehicle rolling away Driver's door open Transmission not in P



Run Flat Indicator inoperative



Speed limit (winter tyres) XXX km/h



Teaching in transmission complete



Teaching in transmission Operate selector lever Brake for XX seconds Risk of vehicle rolling



To switch off the vehicle, press the Start/Stop button for at least 3 seconds or 3 times



Traffic Sign Assist currently unavailable See Owner's Manual



Traffic Sign Assist inoperative



[Transmission Malfunction](#)[Transmission Malfunction Stop](#)[Transmission Malfunction Visit workshop](#)[Tyre press. monitor currently unavailable](#)[Tyre press. monitor inoperative](#)[Tyre pressure Check tyres](#)[Tyre pressure monitor inoperative No tyre pressure sensors](#)[Vehicle is ready to drive Shutdown occurs when locked or automatically in a few minutes](#)[Vehicle is ready to drive Shutdown occurs when locked or automatically in XX mins](#)[Vehicle not currently being charged](#)[Wiper Malfunction](#)[Without changing gear, consult workshop](#)**Displaying road names/house numbers****Distance control****Distance warning****DISTRONIC****Door**[Child safety lock \(rear door\)](#)[Emergency key](#)[Opening \(from the inside\)](#)[Unlocking \(inside\)](#)**Door control panel**[Function seat](#)**Drag Race, Drag race****Drinks holder****Drive Away Assist****Drive position**

**Drive program display****Driver's display, Instrument cluster****Drive programs**

48 V on-board electrical system



AMG DYNAMIC SELECT



Function



Selecting

**Driver display**

Identifying malfunctions



Service due date



Track Pace menu



Operating



Service menu



Status displays



Supersport menu



Understated menu



Warning/indicator lamps

**Driver's seat**

Adjusting (Seat Comfort)



Adjusting (without seat comfort)



[Adjusting electrically](#)[Easy entry and exit feature](#)[Seat heating](#)**Driving abroad**[Light adjustment low beam](#)**Driving safety system**[ABS \(Anti-lock Braking System\)](#)[Active Brake Assist](#)[Active Lane Keeping Assist](#)[Active Steering Assist](#)[Adaptive brake lights](#)[ATTENTION ASSIST](#)[BAS \(Brake Assist System\)](#)[Blind Spot Assist](#)[Cameras](#)[Cruise control](#)[EBD \(Electronic Brakeforce Distribution\)](#)[ESP® \(Electronic Stability Program\)](#)[Hill Start Assist](#)[HOLD function](#)[Overview](#)[Radar and ultrasonic sensors](#)[STEER CONTROL](#)[Traffic Sign Assist](#)[Your responsibility](#)**Driving system**

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E-mails**Setting****ECO start/stop button****E10****EBD, Electronic Brakeforce Distribution****Automatic engine start/stop****E25****ECO Assist****Easy entry feature****48 V on-board electrical system****ECO start/stop function****Function****Automatic engine start****Setting****Automatic engine stop****Easy exit feature****Activating/deactivating****Conditions (automatic engine stop/start)****Function****Function****Switching off/on**

**Electric drive****Electric parking brake**

Applying automatically



Emergency braking



Manually applying/releasing



Releasing automatically

**Electrical fuses****Electronic Stability Program****Emergency**

Emergency guide



Fire extinguisher



First-aid kit (soft sided)



Overview of aids



Safety vest



Warning triangle

**Emergency braking**

Active Brake Assist



Brake Assist System



Carrying out



Electric parking brake/handbrake

**Emergency key**

Door



Inserting/removing

**Emergency operation mode**

Start the vehicle

**Emergency shutoff (high-voltage on-board electrical system)**

**Emergency spare wheel**

Inflating

**Emergency stop assistant**

Calling up



Function

**ENERGIZING COMFORT**

Overview of programmes



Starting programme

**Energy flow display**

Function/notes

**Engine**

Emergency operation mode



Emergency start



Engine number



Starting assistance



switching off (start/stop button)

**Engine data**

Displaying



DYNAMIC SELECT

**Engine electronics****Engine number****Engine oil, Oil**

Additives



Capacity



Capacity (Mercedes-AMG vehicles)





Checking the oil level using the driver display



MB-Freigabe or MB-Approval



MB-Freigabe or MB-Approval
(Mercedes-AMG vehicles)



Quality



Quality (Mercedes-AMG vehicles)



Temperature (driver's display)



Topping up



Engine oil temperature (driver's display)



Engine operating temperature

Warning lamp



Engine output

Engine output, current (driver's display)



Engine torque

Entering characters

Deleting the user dictionary



Function/notes



Setting the keyboard language



using the touchscreen



Environmentally friendly driving

ESC, Electronic Stability Control

ESP[®]

Activating/deactivating



Adjusting (steering-wheel button)



Crosswind Assist



ESP[®] SPORT



Function





EU type approval number



Exterior lighting

Exhaust gas aftertreatment, diesel engine



Exit warning

Blind Spot Assist



Exiting a parking space

Active Parking Assist



Drive Away Assist



PARKTRONIC



Care



Light adjustment when driving abroad



Exterior mirrors

Blind Spot Assist



Warning lamp





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Factory settings

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**Fault message**

Driver's display

**Favourites**

Adding a destination



Calling up



Deleting



Home address



Moving



Overview



Renaming



Work address

**Fill level**

AdBlue®

**Filling station search**

Starting automatic search

Switching the automatic search
on/off**Fire extinguisher**

First-aid kit (soft sided)

**First-aid kit (soft sided)**

**Fitting**

Snow chains



Tyres/wheels

**Fitting accessories**

Limited protection

**Fitting the licence plate (front)****Flat towing**

Pulling/towing

**Flat tyre**

MOExtended



Notes



TIREFIT kit



Wheel change

**Flexible charging system Pro****Floor mats****Foil covering**

On camera/sensors

Radar and ultrasonic sensors

**Free software****Frequencies**

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Two-way radio

**Front airbag**

Inflating

**Front headlamps**

**Front passenger airbag**

Disabling/enabling

Front passenger airbag shutoffInformation (child restraint system
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Adjusting (Seat Comfort)

Adjusting (without seat comfort)

Adjusting electrically

Front wheel arch, Wing

Fitting/removing the cover

Front wheel arch cover

Fitting/removing

Fuel

Additives

Depressurising the fuel tank (plug-in
hybrid with petrol engine)

Diesel

Diesel quality

E10

E25

Fuel reserve (Mercedes-AMG vehi-
cles)

Petrol

Petrol quality

Quality (petrol)

Refilling

Reserve

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Switching the greeting tone on/off



Operating

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Function



Manual

Overview

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Car-to-X-Communication

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Care



Function



Memory function



Operating



Switching on/off

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Activating/deactivating



Seat



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Fitting

**Immediate pre-entry climate control****Indicator lamps/warning lamps**

Suitable seats

**Identification plate**

Engine

**Importer information****Indicator/warning lamps**

Vehicle

**Regulatory radio information****Overview****Illuminants**

High beam

**Incorrect behaviour by vehicle occupants****Individual drive program****Limited protection****Configuring****Inside rearview mirror**

**Interior lighting**

Ambient lighting



MBUX reading light



Setting



Switch-off delay time

**Interior protection****Intermediate destination**

Editing



Starting an automatic filling station search



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**Internet**

Calling up a web page



Calling up the web browser settings



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Deleting a bookmark



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Managing bookmarks



Setting up a Wi-Fi hotspot



Smartphone integration



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Web browsers

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Maintaining safe distance

Active Distance Assist DISTRONIC

**Maintenance****Maintenance Management**

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Transferred data

**Maintenance work**, Information on regular performance**Malfunction**

Driver display



Restraint system

**Manoeuvering brake function****Manoeuvring**

Manoeuvering brake function

**Manoeuvring assistant**

Activating/deactivating



Drive Away Assist



Manoeuvering brake function

**Manual gearshifting**

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**Map**, Traffic map

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Avoiding an area (overview)



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Deleting



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Forwarding



MBUX voice commands



Overview



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**Mobile phone**

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Frequencies



Maximum transmission output



Smartphone integration



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Modification

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MOExtended tyres, Run-flat tyres 

Motorway mode 

MULTIBEAM LED

Active headlamps 

Adaptive Highbeam Assist 

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City lighting 

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Motorway mode 



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Calling up a notification >



Editing a notification 

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Overview 

Selecting actions 



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**Operating fluids**

AdBlue®



Additives



Brake fluid



Coolant



Diesel



Engine oil



Fuel (petrol)



Notes



Petrol



Windscreen washer fluid

**Operating safety**

48 V on-board electrical system



High-voltage on-board electrical system

**Outside mirrors**

Automatic mirror folding function



Folding in/out



Memory function



Parking position



Setting

**Overhead control panel****Owner's Manual digital**



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Paint code**Park position**

DIRECT SELECT lever

**Parking**

Active Parking Assist



PARKTRONIC

**Parking Assist**

Active Parking Assist

**PARKTRONIC****Parking Assist PARKTRONIC**

Activating/deactivating



Adjusting warning tones



Function

**Parking assistance systems**

Active Parking Assist



Drive Away Assist



Manoeuvering brake function



PARKTRONIC

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Selecting



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**Power supply**

Start/stop button



Switching on (start/stop button)

**Pre-entry climate control**

activating/deactivating for departure time



At departure time



At time of departure



immediate



When vehicle is unlocked

**Pre-entry climate control using the key**

Function

**Pre-entry climate control via the key**

Activating/deactivating

**PRE-SAFE®**, Anticipatory occupant protection

Function



PRE-SAFE® Sound



Reversing measures

**Preventative occupant protection system****Program****Protection**

Limited

**Protection against collision**

Manoeuvring brake function

**Protection of the environment**

Driving style

**Pulling away**

Hill Start Assist





Start-off assist





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Qibla

>

QR code rescue card

>

Qualified specialist workshop

>



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Storing radio stations

**Rain sensor****Rear door (child safety lock)****Radio regulations**

Side windows



Securing



Importer information

**Rear fog lamp**

Regulatory radio identification

**Rear fog light**

Specific absorption rate

**Rear seat belt****Rain closing function**

AdBlue®



Status display



Side windows

**Rear window heater**

Sliding sunroof

**Reading lamp**

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Automatic anti-glare mode

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**Route-based speed adaptation**

Off-road



Function

**Route guidance with augmented reality**

Activating

**Run-flat characteristics**Activating/deactivating the traffic
light view**Running-in notes**Displaying road names/house num-
bers

Overview

**Route-based operating-mode strategy**

Function





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Safety system**Safety vest****Satellite map****Saving a destination suggestion as a favourite****Searching for a channel****Seat**, Through-loading feature

Adjusting (Seat Comfort)



Adjusting (without seat comfort)



Adjusting electrically



Automatic adjustment



Correct driver's seat position



ENERGIZING seat kinetics



Folding back the backrest (rear)



Folding the backrest forwards (rear)



Locking the backrest (rear)



Lumbar support



Memory function



Resetting settings (massage programme)



Settings



Side airbag

**Seat belt**

Activating/deactivating seat belt adjustment



Automatic tightening



Care



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**Sound**

PRE-SAFE® Sound



Wheels/tyres

**Sound settings**

Adjusting treble, mid-range and bass settings



Automatic loudness normalisation



Calling up the sound menu



Setting the balance and fader

**Spare parts****Spare wheel****Specialist workshop****Specific absorption rate (SAR)****Speed**

Limit, Limiter

**Speed adjustment**, route-based**Speed control**

Active Distance Assist DISTRONIC



Cruise control



Limiter

**Speed limit**

Winter tyres

**Standing lights****Start-off assist**

Activating



Function



Hill Start Assist



**Start/stop button**

Parking the vehicle



Starting the vehicle

Switching on the power supply /
vehicle**Start/stop function****Starter battery**

charging, Remote Online

**Starting**

Remote Online

**Starting assistance****Starting the engine**

Emergency operation mode



Remote Online



Start/stop button

**Starting-off aid**

Drive Away Assist



Hill Start Assist



Start-off assist

**Station**

Deleting



Entering a frequency directly



Managing favourites



Moving



Setting



Storing



**Station list**

Calling up

**Station presets**

Editing

**Station suggestion**

Radio

**Stationary heater/ventilation**

Activating/deactivating



Operating

**Status display**

Front passenger airbag



Rear seat belt

**Steer Assist**

Active Steering Assist



STEER CONTROL

**STEER CONTROL****Steering wheel**

Driver's airbag



Manually adjusting



Steering wheel heater

**Steering wheel gearshift paddles****Steering wheel heater****Stop and go**

ECO start/stop function

**Stopping**

Parking the vehicle



**Storing the**

speed, cruise control

speed, DISTRO^{NIC}

speed, limiter

**Stowage areas****Stowage compartment in the glove compartment**

Opening

**Stowage space under the boot floor****Stowage spaces**

Armrest (front)



Centre console (front)



Door



Glove compartment

**Suggestions**

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Active Brake Assist warning lamp



ATTENTION ASSIST warning lamp



Brakes warning lamp (red)



Brakes warning lamp (yellow)



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ESP® warning lamp flashes



ESP® warning lamp lights up



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Publication details

WEBSITE

Further information about Mercedes-Benz vehicles and about Mercedes-Benz AG can be found on the following websites:

<https://www.mercedes-benz.com>

<https://group.mercedes-benz.com>

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