



Digital - in the vehicle

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



Vehicle document wallet

This contains a physical copy of comprehensive information about operating your vehicle and about services and your vehicle's warranty



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Order no. P296 0217 13 Part no. 296 584 45 03
Edition A 2025

EQS



Mercedes-Benz

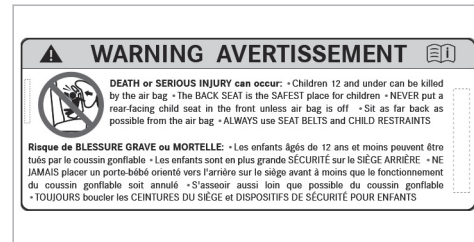
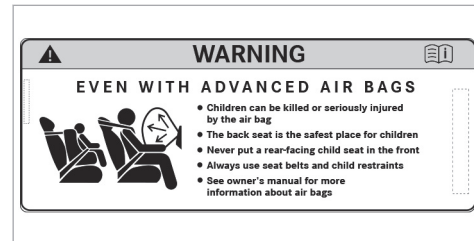
EQS

Operator's Manual

Mercedes-Benz



Front passenger air bag warning



Air bag warning sticker for USA and Canada

WARNING Risk of injury or fatal injuries if the front passenger air bag is enabled

If the front passenger air bag is enabled, a child on the front passenger seat may be struck by the front passenger air bag in the event of an accident.

- ▶ NEVER use a rearward-facing child restraint system on a seat with an ENABLED FRONT AIR BAG. This can result in the DEATH of or SERIOUS INJURY to the CHILD.

Observe the chapter "Children in the vehicle".

Publication details

Website

Further information about Mercedes-Benz vehicles and about Mercedes-Benz AG can be found on the following websites:

<https://www.mbusa.com> (USA only)

<https://www.mercedes-benz.ca> (Canada only)

Editorial team

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Vehicle manufacturer

Mercedes-Benz AG

Mercedesstraße 120

70372 Stuttgart, Germany

Welcome to the world of Mercedes-Benz

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

Vehicle damage caused by failure to observe the instructions is not covered by the Mercedes-Benz Limited Warranty.

The standard equipment and product description of your vehicle may vary and depends on the following factors:

- Model
- Order
- National version
- Availability

In individual cases, your vehicle may therefore differ from that shown in the descriptions and illustrations.

Mercedes-Benz reserves the right to introduce changes in the following areas:

- Design
- Equipment
- Technical features

The following documents are components of the vehicle:

- Digital Operator's Manual
- Printed Operator's Manual
- Maintenance Booklet (USA only)
- Supplementary manuals 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.

The latest information on service and warranty, along with a digital copy of this Operator's Manual, can be found on the following website.

USA only:

<https://www.mbusa.com/en/vehicle-information>

Canada only:

<https://www.mercedes-benz.ca/en/owners/manuals> (English)

<https://www.mercedes-benz.ca/fr/owners/manuals> (French)

Mercedes-Benz USA, LLC

Mercedes-Benz Canada, Inc.

A Mercedes-Benz Group AG Company

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

 **WARNING** Danger due to failure to observe 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 behavior 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

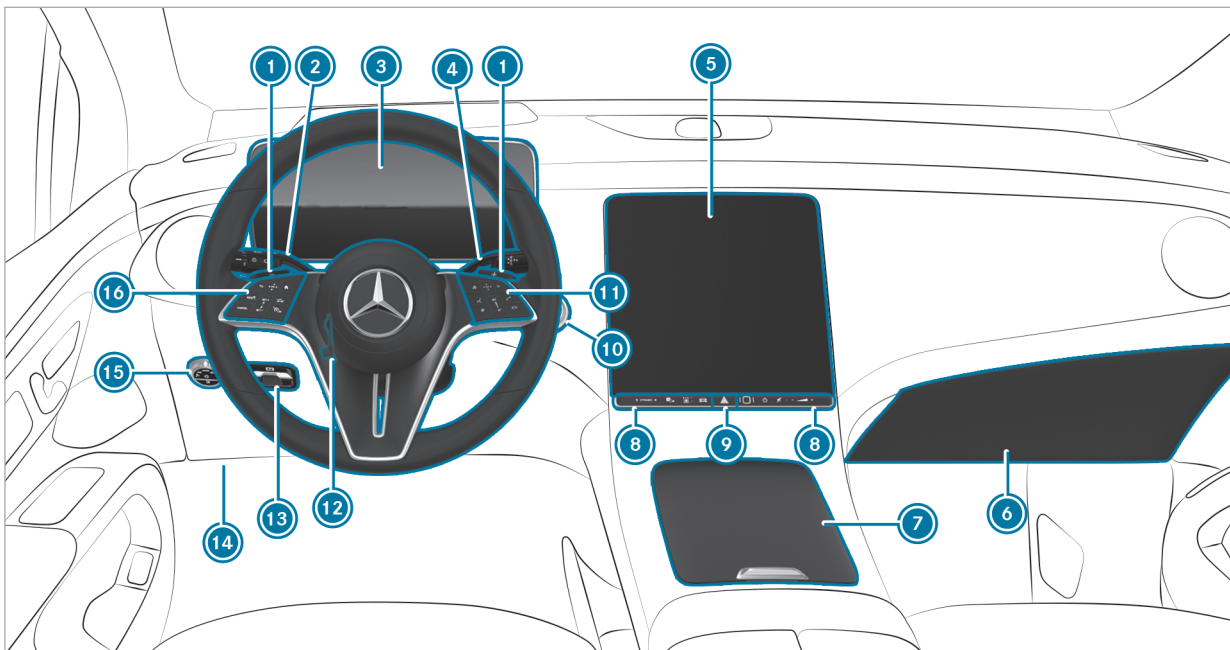
(→ page) Further information on a topic

Display Display in the central display

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

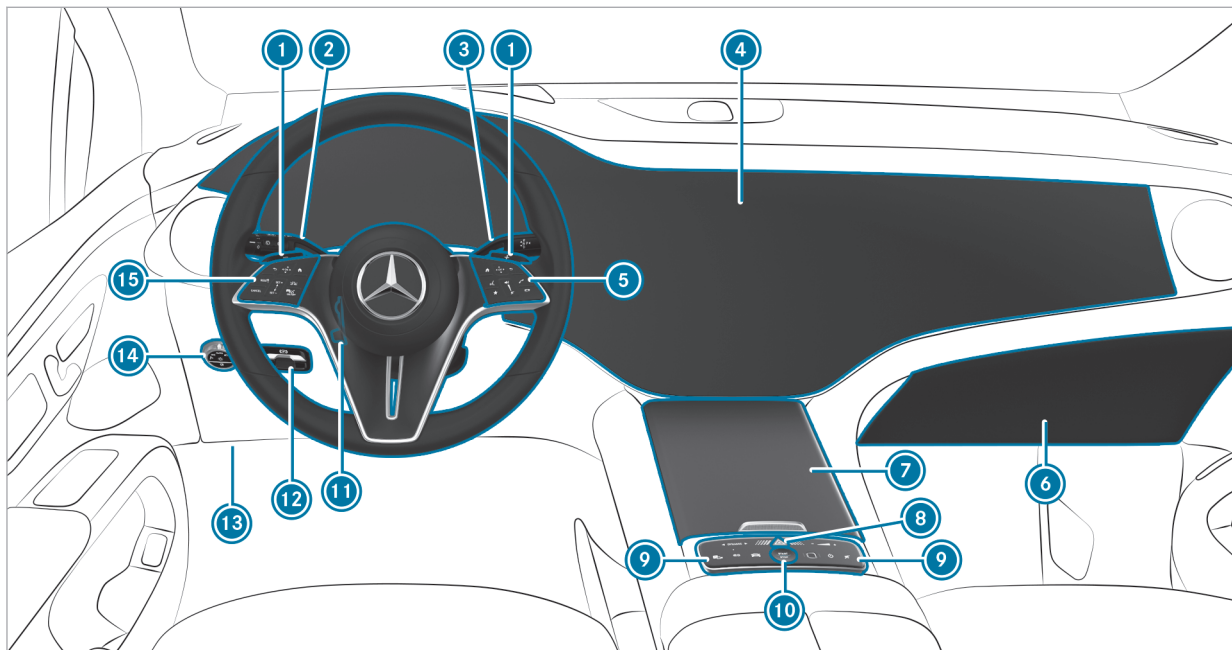
 Relevant submenus, which are to be selected in the multimedia system

* Indicates a cause



Left-hand drive vehicles (with central display)

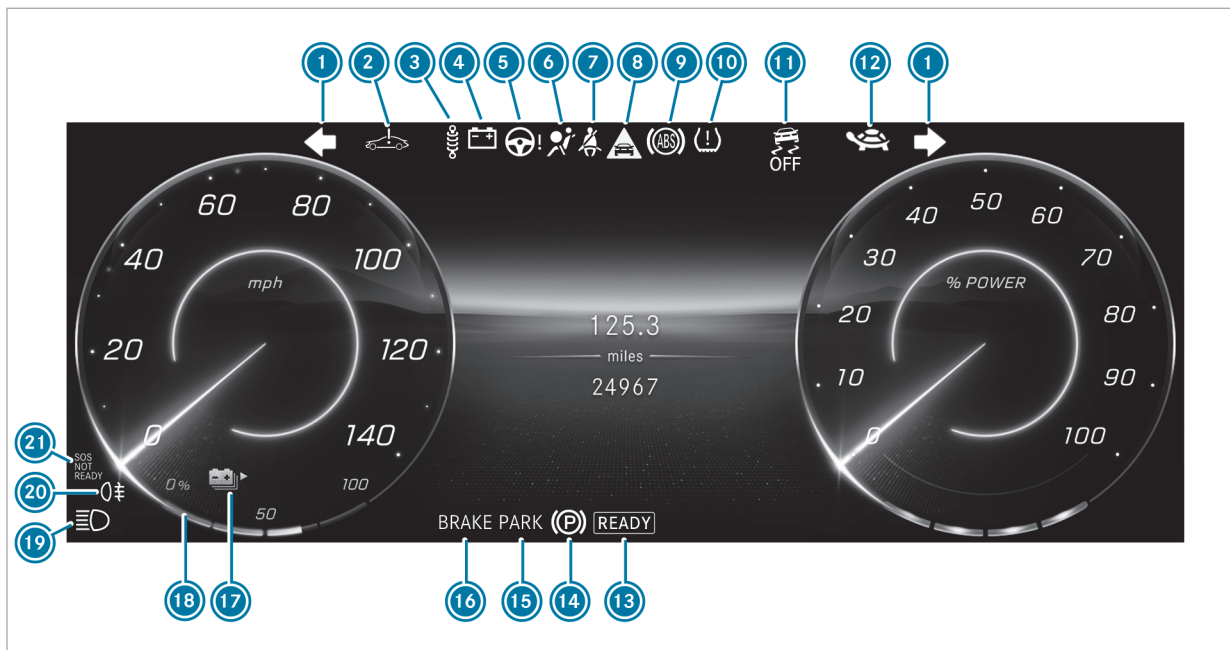
①	Increases recuperation	→	203				
	Reduces recuperation	→	203				
②	Combination switch	→	156				
③	Driver's display	→	329				
④	DIRECT SELECT lever	→	210				
⑤	Central display	→	337				
⑥	Glove box	→	136				
⑦	Stowage compartment	→	136				
⑧	Switch panel for:						
	DYNAMIC SELECT button	→	209				
	Active Parking Assist	→	303				
	Calls up the EQ menu	→	229				
	Quick vehicle access						
	Fingerprint sensor	→	337				
	Switches the MBUX multimedia system on/off	→	337				
	Switches sound on/off	→	337				
	Adjusts the volume	→	337				
⑨	Hazard warning light system	→	157				
⑩	Start/stop button	→	194				
⑪	Control panel for the MBUX multimedia system	→	345				
⑫	Adjusts the steering wheel	→	129				
⑬	Electric parking brake	→	235				
⑭	Diagnostics connection	→	35				
⑮	Light switch	→	155				
⑯	Control panel:						
	Driver's display	→	329				
	Active Distance Assist DISTRONIC	→	253				



































Left-hand drive vehicles (with MBUX hyperscreen)

①	Increases recuperation	→	203	Calls up the EQ menu	→	229	
	Reduces recuperation	→	203	Quick vehicle access			
②	Combination switch	→	156	Fingerprint sensor	→	337	
③	DIRECT SELECT lever	→	210	Switches the MBUX multimedia system on/off	→	337	
④	MBUX hyperscreen with:			Switches sound on/off	→	337	
	Driver's display	→	327	Adjusts the volume	→	337	
	Central display	→	337	⑩	Start/stop button	→	194
	Front passenger display	→	336	⑪	Adjusts the steering wheel	→	129
⑤	Control panel for the MBUX multimedia system	→	345	⑫	Electric parking brake	→	235
⑥	Glove box	→	136	⑬	Diagnostics connection	→	35
⑦	Stowage compartment	→	136	⑭	Light switch	→	155
⑧	Hazard warning light system	→	157	⑮	Control panel:		
⑨	Switch panel for:				Driver's display	→	329
	DYNAMIC SELECT button	→	209		Active Distance Assist DISTRONIC	→	253
	Active Parking Assist	→	303				



10 At a glance - Indicator and warning lamps (standard)



Standard driver display



1		Turn signal lights	→	156	12		Reduced power	→	564
2		System error	→	558	13		Operational readiness of drive system	→	194
3		Suspension (red)	→	564	14		Electric parking brake (yellow)	→	561
		Suspension (yellow)	→	564	15		Electric parking brake (red)	→	561
4		Electrical malfunction	→	558			USA only		
5		Power steering (red)	→	559			Canada only		
		Power steering (yellow)	→	559	16		Brakes (red)	→	561
		Rear-axle steering (red)	→	559			USA only		
		Rear-axle steering (yellow)	→	559			Canada only		
6		Restraint system	→	556			Recuperative Brake System, USA only	→	561
7		Seat belt	→	556			Brakes (yellow), Canada only	→	561
8		Distance warning	→	564	17		Range		
9		ABS	→	564	18		State of charge indicator		
10		Tire pressure monitor	→	569	19		High beam	→	156
11		ESP® OFF	→	564			Low beam	→	155
		ESP®	→	564			Parking lamps	→	155

12 At a glance - Indicator and warning lamps (standard)

  Rear fog light



156

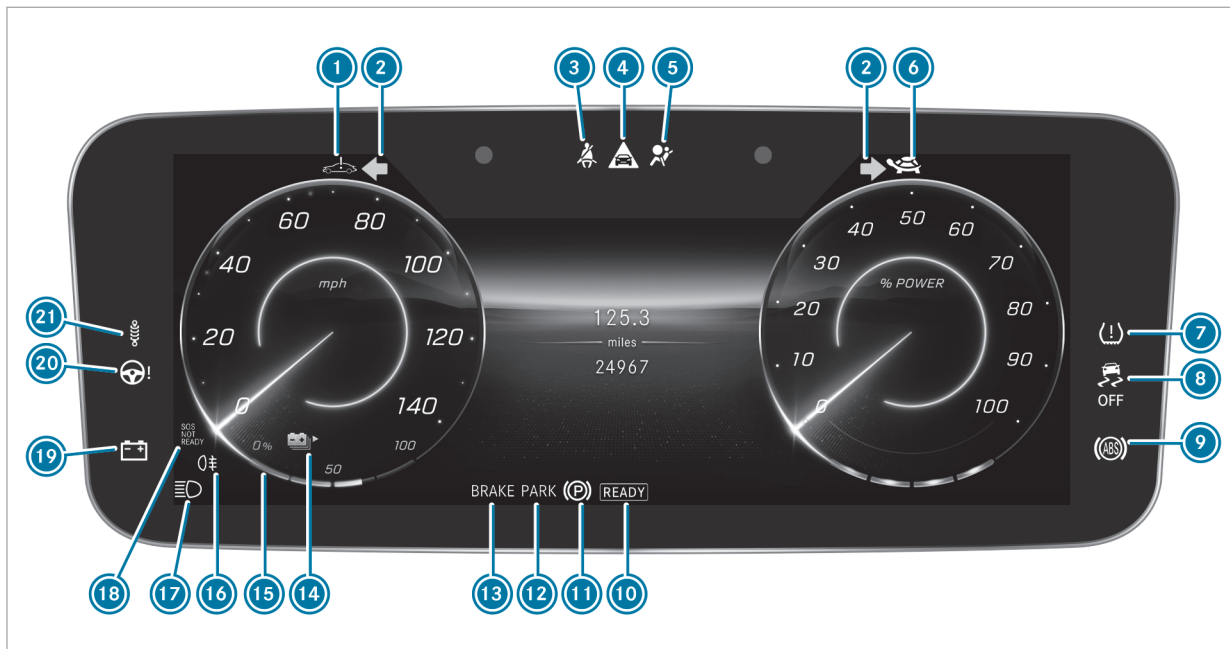
  Mercedes-Benz emergency call system


































569



14 At a glance - Indicator and warning lamps (with driver camera)



Driver display with driver camera


1	 System error	→	558	 USA only	
2	 Turn signal lights	→	156	 Canada only	
3	 Seat belt	→	556	 Recuperative Brake System, USA only	→ 561
4	 Distance warning	→	564	 Brakes (yellow), Canada only	→ 561
5	 Restraint system	→	556	14  Range	
6	 Reduced power	→	558	15 State of charge indicator	
7	 Tire pressure monitor	→	569	16  Rear fog light	→ 156
8	 ESP® OFF	→	564	17  High beam	→ 156
	 ESP®	→	564	 Low beam	→ 155
9	 ABS	→	564	 Parking lamps	→ 155
10	 Operational readiness of drive system	→	194	18  Mercedes-Benz emergency call system	→ 569
11	 Electric parking brake (yellow)	→	561	19  Electrical malfunction	→ 558
12	 Electric parking brake (red)	→	561	20  Power steering (red)	→ 559
	 USA only			 Power steering (yellow)	→ 559
	 Canada only			 Rear-axle steering (red)	→ 559
13	 Brakes (red)	→	561	 Rear-axle steering (yellow)	→ 559

16 At a glance - Indicator and warning lamps (with driver camera)

 Suspension (red)



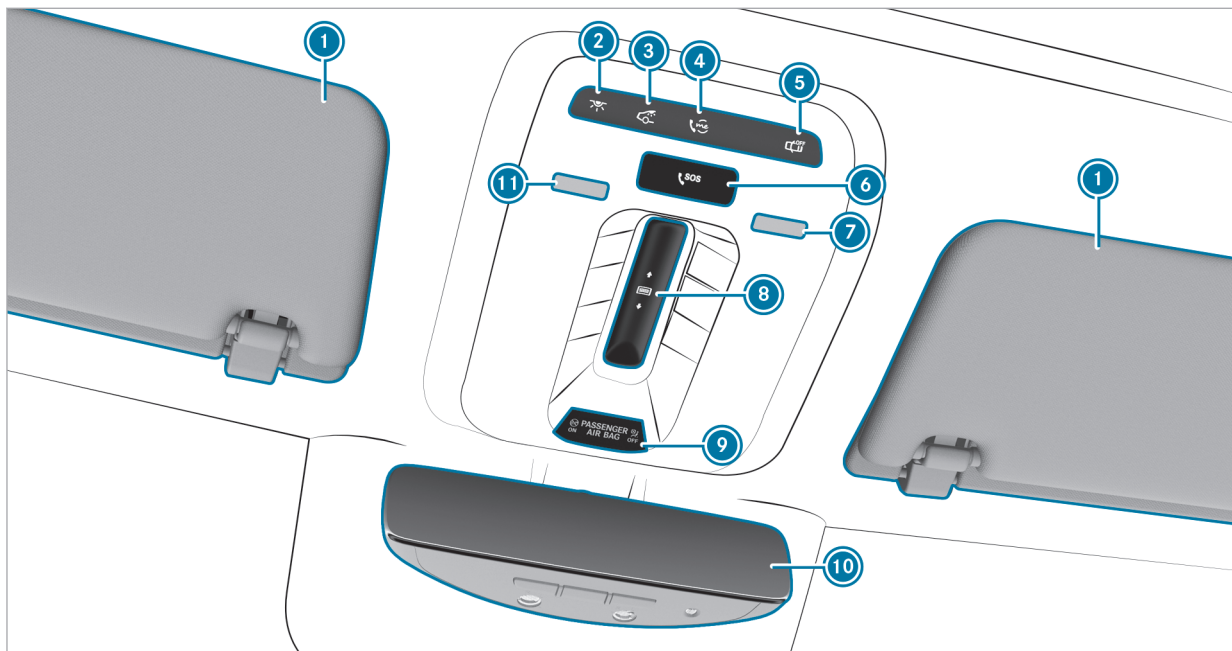
564








 Suspension (yellow)

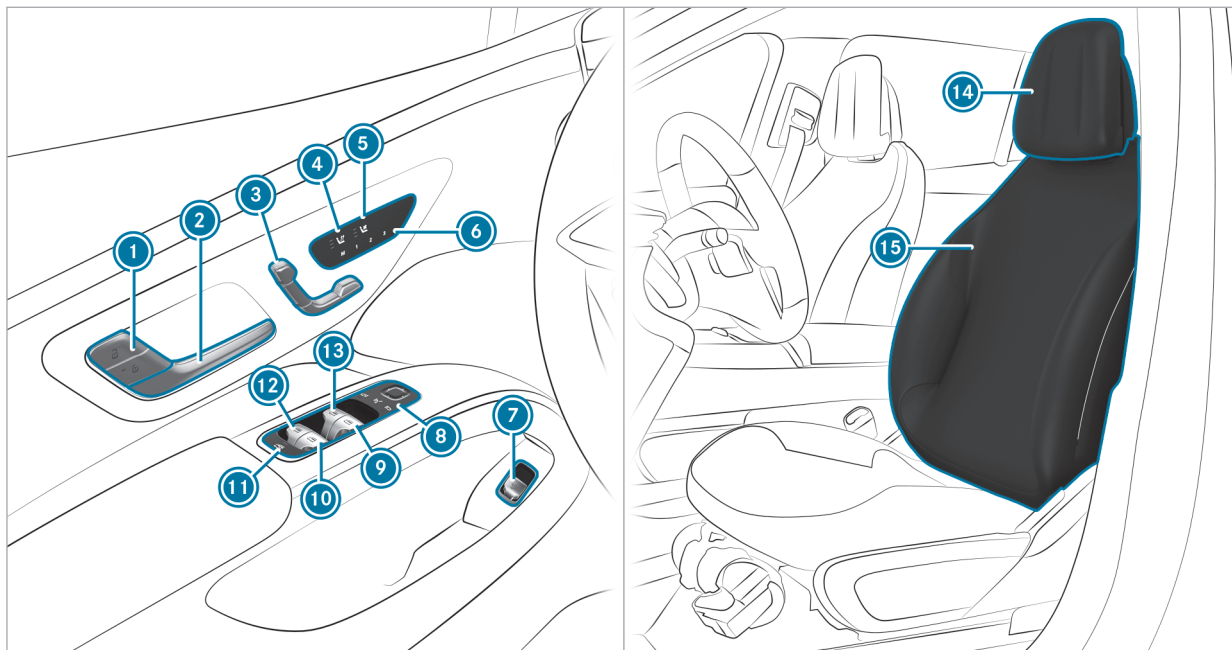









564










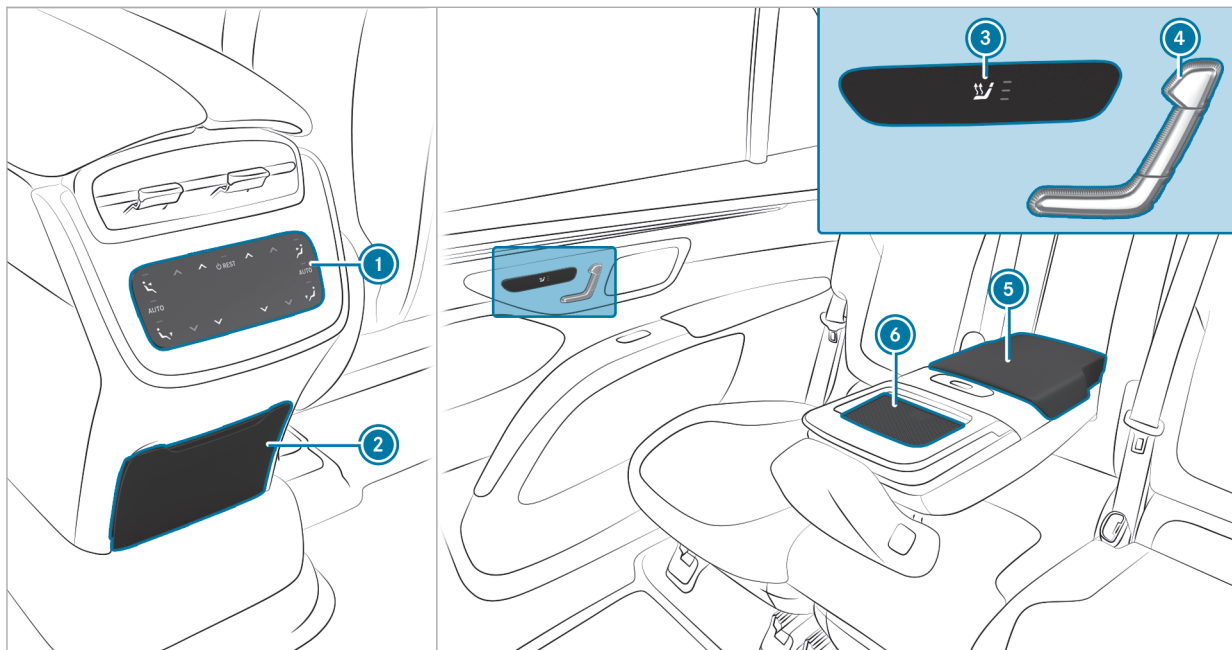
1	Sun visors		
2	 Switches the front interior lighting on/off	→	163
3	 Switches the rear interior lighting on/off	→	163
4	 me button	→	387
5	 Switches automatic interior lighting control on/off	→	163
6	 SOS button	→	387
7	Switches the right-hand reading lamp on/off	→	163
8	 Opens/closes the panorama roof with power tilt/sliding panel	→	106
	 Opens/closes the panorama roof with power tilt/sliding panel roller sunblind	→	106
9	PASSENGER AIR BAG indicator lamp	→	50
10	Inside rear-view mirror	→	172
11	Switches the left-hand reading lamp on/off	→	163




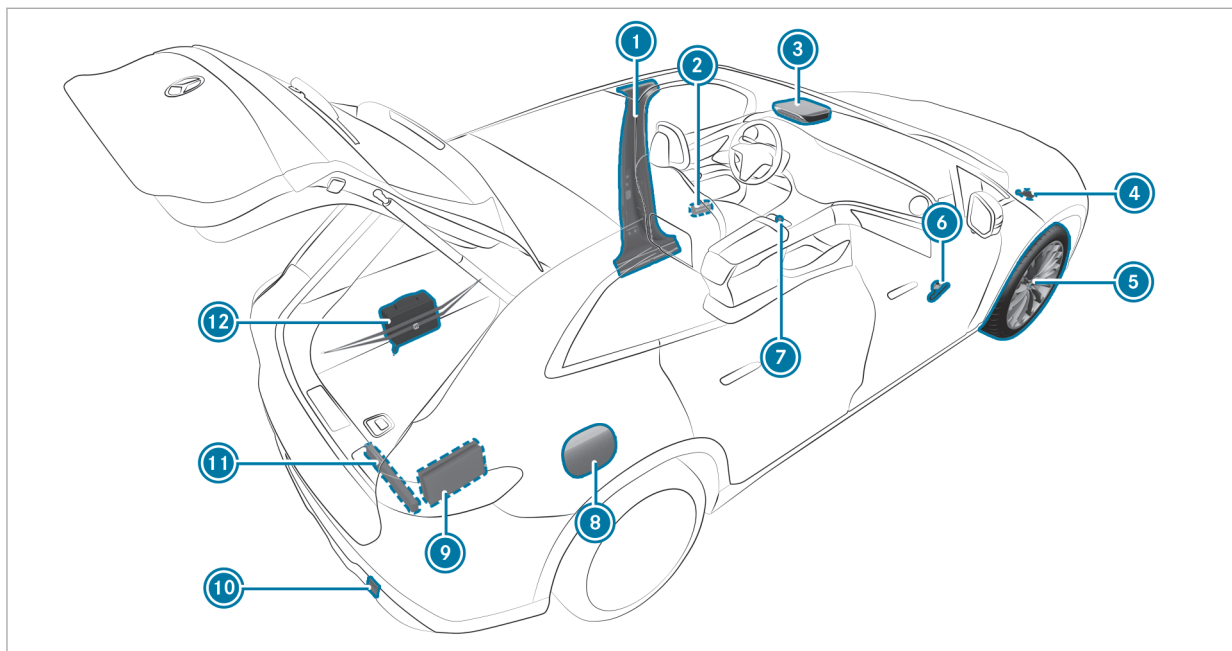
1	 	Locks/unlocks the vehicle	→	86
2		Opens the door	→	85
3		Adjusts the seats electrically	→	114
4		Switches the seat heating on/off	→	126
5		Switches the seat ventilation on/off	→	127
6		Operates the memory function	→	133
7		Opens/closes the tailgate	→	97
8		Operates the outside mirrors	→	171



9		Opens/closes the right side window	→	102
10		Opens/closes the rear right side window	→	102
11		Child safety lock for the rear side windows	→	77
12		Opens/closes the rear left side window	→	102
13		Opens/closes the left side window	→	102
14		Adjusts the head restraints	→	120
15		Seat adjustment using the multimedia system	→	124


22 At a glance - Control settings in the rear passenger compartment



①	Climate control rear operating unit	→	177	④	Adjusts the rear seats electrically	→	116
②	Electronics compartment in the center console	→	151	⑤	Storage compartment in the rear armrest		
③	 Switches the rear seat heating on/off	→	126	⑥	Charges a mobile phone wirelessly	→	153



① B-pillar with:		
QR code for accessing the rescue card	→	38
information label on tire pressure	→	438
② Safety vests	→	414
③  me button	→	387
 SOS button	→	387
④ Towing	→	424
⑤ Flat tire	→	416

⑥ Operating the high-voltage disconnect device	→	191
⑦  Hazard warning lamps	→	157
⑧ Socket flap with:		
QR code for accessing the rescue card	→	38
⑨ First-aid kit (soft sided)	→	415
⑩ Towing	→	424
⑪ Warning triangle	→	415
⑫ TIREFIT kit	→	418

Calling up the Digital Operator's Manual

Multimedia system:

→  » Settings » Info

» Operator's Manual

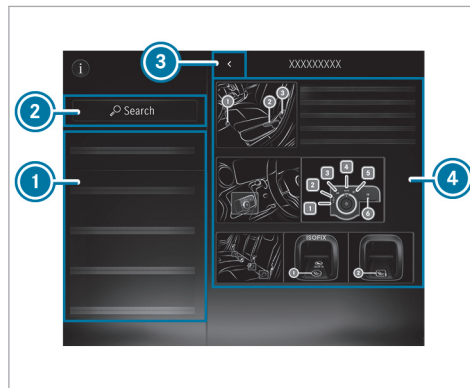
» Open Digital Operator's Manual

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 will prepare 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 to find quick answers to questions about operating your vehicle.



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

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

Additional methods of calling up the Digital Operator's Manual:

Driver display: call up brief information as display messages on the driver display. Pressing **i** will relay 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 on the home screen.

i For safety reasons, the Digital Operator's Manual will be deactivated while you are driving.

Protection of the environment

 **ENVIRONMENTAL NOTE** Environmental damage due to operating conditions and personal driving style


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 tire pressures are correct.
- ▶ Do not carry any unnecessary weight (e.g. roof luggage racks once you no longer need them).
- ▶ Monitor energy consumption.
- ▶ 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:

- ▶ Drive carefully and maintain a suitable distance from the vehicle in front.
- ▶ Avoid frequent, sudden acceleration and braking.
- ▶ Drive in a way that conserves energy. Pay attention to the ECO display for an economical driving style.

 **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 defective high-voltage batteries at a qualified specialist workshop.

Environmental issues and recommendations:

It is recommended that you re-use or recycle materials instead of just disposing of them.

The relevant environmental guidelines and regulations serve to protect the environment and must be strictly observed.

Mercedes-Benz GenuineParts

 **ENVIRONMENTAL NOTE** Environmental damage due to 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 Limited Warranty is valid as for new parts.

- ▶ Use 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

Air bags and Emergency Tensioning Devices, 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
- center 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 jeopardize the operating safety of your vehicle if you use parts, tires and wheels, as well as accessories relevant to safety that have not been approved by Mercedes-Benz. Safety-critical systems (e.g. the brake system) may malfunction. Use only Mercedes-Benz GenuineParts or parts of equal quality. Use only tires, wheels and accessory parts that have been specifically approved for your vehicle model.

Mercedes-Benz GenuineParts are subject to strict quality inspections. Each part has been specially developed, manufactured or selected for Mercedes-Benz vehicles and adapted to them. Therefore, only Mercedes-Benz GenuineParts should be used.

More than 300,000 different Mercedes-Benz GenuineParts are available for Mercedes-Benz models.

All Mercedes-Benz Service Centers maintain a supply of Mercedes-Benz GenuineParts for necessary service and repair work. In addition, strategi-

cally located parts delivery centers ensure quick and reliable parts service.

Always specify the vehicle identification number (VIN) (→ page 468) when ordering Mercedes-Benz GenuineParts.

Operator's Manual

This Operator's Manual and the Digital Operator's Manual in the vehicle describe the following models and the standard and special equipment for your vehicle:

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

Please note that your vehicle may not be equipped with all features described. This also applies to systems relevant to safety. The equipment on

your vehicle may therefore differ from that in the descriptions and illustrations.

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

Should you have any questions concerning equipment and operation, please consult an authorized Mercedes-Benz Center.

i Please bear in mind that all the speed figures stated in this Operator's Manual are approximate and are subject to a certain tolerance.

The Operator's Manual, Supplement, further supplementary documents and Maintenance Booklet (USA only) are important documents and should be kept in the vehicle.

Touch-sensitive controls

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

These are located in the following areas of your vehicle:

- Roof and door control panel
- Climate control
- Steering wheel
- MBUX multimedia system

The controls have touch-sensitive user interface surfaces. You can control these surfaces by pressing or swiping to adjust settings or to trigger functions, for example.

The touch-sensitive interface on the touchscreen also provides haptic feedback in the form of pulses, vibrations or changes in the surface structure, for example.

You will receive haptic feedback in the following situations, for example:

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

When using touch-sensitive user interfaces, note the following points to avoid problems:

- Do not affix stickers or similar objects to the surfaces.
- Do not attach smartphone holders or other mountings to the surface of the central display.
- Keep the surfaces protected from moisture and wet conditions.
- Keep the surfaces free of dust and dirt (→ page 411).

Some touch-sensitive controls have both a symbol and integrated indicator lamps. Be sure to press on the symbol of the control element when using it.

Mercedes me App

Notes about the on-demand feature

You can also activate various functions (on-demand feature) subsequently via Mercedes me after purchasing your vehicle.

Information is available at any authorized Mercedes-Benz Center.

Activating on-demand feature using Mercedes me

Requirements

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

Ordering and activating on-demand feature

- ▶ Add the desired on-demand feature for the vehicle to the shopping basket in the Mercedes me Store.
- ▶ Complete the order.
The on-demand feature is activated when operating 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 on-demand feature has been activated.
For some features, a notification also appears in the vehicle's multimedia system.

If the activation was not successful, repeat the process.

Service and vehicle operation

Vehicle operation outside the USA or Canada

If you drive your vehicle abroad, service facilities or replacement parts may not be immediately available.

Some Mercedes-Benz models are available in Europe through our European Delivery Program. For more information, please consult a Mercedes-Benz Service Center, or write to one of the following addresses:

in the USA:

Mercedes-Benz USA, LLC
One Mercedes-Benz Drive
Sandy Springs, GA 30328

in Canada:

Mercedes-Benz Canada, Inc.
2680 Matheson Blvd E, Suite 500
Mississauga, ON L4W 0A5

Maintenance

USA only:

Your customer advisor confirms the service in the service report.

Roadside Assistance

The Mercedes-Benz Roadside Assistance Program offers technical help in the case of a breakdown. Your calls to the toll-free Roadside Assistance Hotline are answered by our agents 24 hours a day, 365 days a year.

1-800-FOR-MERcedes (1-800-367-6372) (USA)
1-800-387-0100 (Canada)

USA only: You can find further information in the Mercedes-Benz Roadside Assistance Program brochure.

Canada only: You can find further information in the "Roadside Assistance" section in the Warranty Information Guide. Please refer to Mercedes-Benz Canada's website:

<https://www.mercedes-benz.ca/en/owners/manuals> (English)

<https://www.mercedes-benz.ca/fr/owners/manuals> (French)

Change of address or change of ownership

In the event of a change of address, please send us the "Notification of address change" in the Service and Guarantee booklet or simply call the Mercedes-Benz Customer Assistance Center (USA) on the hotline number 1-800-FOR-MERCEdes (1-800-367-6372) or Customer Service (Canada) on 1-800-387-0100. We can then reach you in a timely fashion, if necessary.

If you sell your Mercedes, please leave all literature in the vehicle so that it is available to the next owner. If you have purchased a used vehicle, please send us the "Notice of Purchase of Used Car" in the Service and Guarantee booklet or sim-

ply call the Mercedes-Benz Customer Assistance Center (USA) at the hotline number 1-800-FOR-MERCEdes (1-800-367-6372) or Customer Service (Canada) at 1-800-387-0100.

Possible danger due to substances hazardous to health

In compliance with Proposition 65 ("Prop65"), the following detachable label has been added to each vehicle sold in California:



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 specialist workshop.

⚠ WARNING Risk of accident or injury due to incorrect modifications on electronic component parts

Modification of electronic components, their software or wiring could impair their function and/or the function of other networked component parts or safety-relevant systems.

This can endanger the operating safety of the vehicle.

- ▶ Never tamper with the wiring and electronic component parts or their software.
- ▶ You should have all work on electrical and electronic components carried out at a qualified specialist workshop.

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

! **NOTE** Impairment of the operating efficiency of the vehicle or individual components due to tampering with the on-board electronics

The vehicle is equipped by the manufacturer with various safety mechanisms that interact with each other.

If the system detects tampering with the on-board electronics due to an unauthorized modification of control units and/or their software/data, this may have the following effects:

- Individual vehicle functions are (temporarily) no longer operational.
- The overall vehicle is (temporarily) no longer operational.

▶ Have the vehicle checked immediately at a qualified specialist workshop and, if necessary, reset to factory settings.

! **NOTE** Damage to the vehicle caused by driving too fast and by blows to the underbody and chassis parts

The vehicle can be damaged in the following cases in particular:

- The underside of the vehicle makes contact with the ground, e.g. on a high curb or an unpaved road.

- The vehicle drives too quickly over an obstacle, e.g. a curb, a speed bump or a pothole.
- A heavy object hits the underbody or chassis components.

In these or similar situations, the vehicle body, the underbody, chassis components, wheels or tires and parts of the high-voltage battery could be damaged even if this is not visible. Components that have been damaged in this way can fail unexpectedly or, in the event of an accident, may not absorb the loads that arise as intended.

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

or

▶ If driving safety is impaired during the rest of the journey, stop immediately paying attention to the traffic situation and notify a qualified specialist workshop.

Electric vehicles have an electric motor. The energy supply for the electric motor comes from the high-voltage onboard 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.

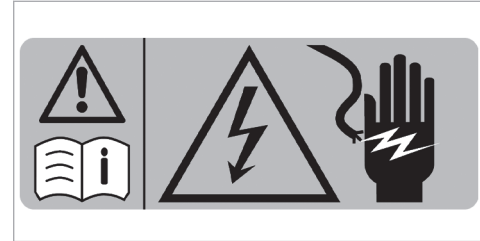
In the event of an accident or impact to the underbody, components of the high-voltage electrical system may be damaged although the damage is not visible.

- ▶ 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.

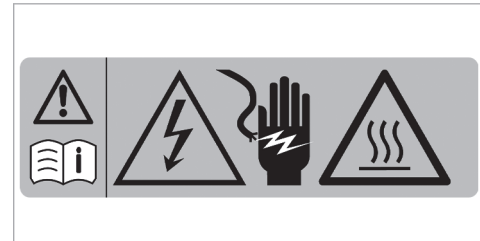
- ▶ Never touch damaged components of the high-voltage on-board electrical system.
- ▶ After an accident, do not touch any components of the high-voltage on-board electrical system.
- ▶ After an accident, have the vehicle transported away.
- ▶ Have the components of the high-voltage on-board electrical system checked at a qualified specialist workshop and replaced if necessary.

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



Example

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



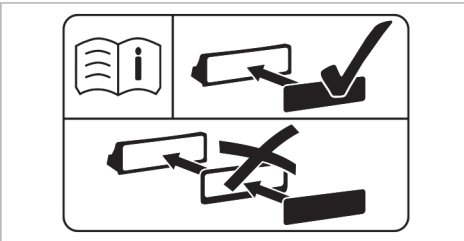
Vehicles with an electric motor generate significantly less noise when stationary and on the move than vehicles with a combustion engine.

This means that other road users may fail to hear the vehicle owing to its significantly lower stationary and driving 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.

Installing the license plate on the front license plate bracket



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

! **NOTE** Malfunctions and system failures due to incorrect mounting of the license plate on the front license plate holder

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

Observe the following points when mounting the license plate on the front license plate holder:

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

National information for components relevant to radio regulation

Information on crossing national borders

You must observe the radio regulations for the country in which you are currently operating your vehicle.

Wireless vehicle components



USA: "Radio based devices of this vehicle comply with Part 15 of the FCC Rules. Operation is subject to the following two conditions: 1) These devices may not cause harmful interference, and 2) These devices 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."

Canada: "This vehicle contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions: (1) These devices may not cause interference. (2) These devices must accept any interference, including interference that may cause undesired operation of the devices." "Les émetteurs/récepteurs dans cette véhicule sont conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : 1) Ces appareils ne doivent pas produire de brouillage; 2) Ces appareils doivent

accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement."

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 use and connect only products approved by an authorized Mercedes-Benz Service Center.

⚠ 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.

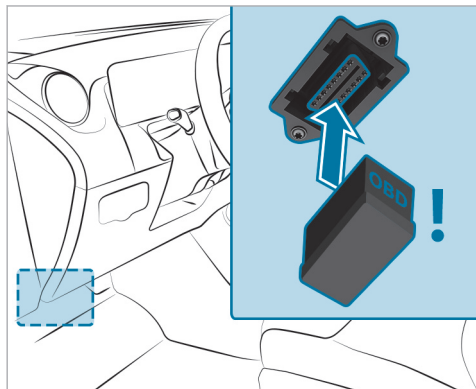
This will jeopardize the operating- and road safety of the vehicle.

- ▶ 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 install 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.



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 Mercedes-Benz service center is a qualified specialist workshop. It has the necessary special skills, tools and qualifications to correctly carry out the work required on your vehicle. This particularly applies to safety-critical work.

For the following, always have your vehicle checked at a Mercedes-Benz service center:

- Safety-critical work
- Service- and maintenance work
- Repair work
- Modifications as well as installations- and conversions

- Work on electronic components
- Work on high-voltage components

Mercedes-Benz recommends a Mercedes-Benz service center.

Correct use of the vehicle

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

Observe the following information in particular when driving your vehicle:

- the safety notes in this Operator's Manual, vehicle-specific supplements and further supplementary documents
- technical data for the vehicle
- traffic laws and regulations of the country you are currently driving in
- laws pertaining to motor vehicles and safety standards of the country you are currently driving in
- radio regulatory requirements of the country you are currently driving 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.

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 antenna
- multimedia system and sound system

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

Problems with your vehicle

If you should experience any problem with your vehicle, particularly one that you believe may affect its safe operation, we urge you to contact a Mercedes-Benz Service Center immediately to have the problem diagnosed and rectified. If the problem is not resolved to your satisfaction there, please contact a Mercedes-Benz Service Center again or write to one of the following addresses.

In the USA:

Mercedes-Benz USA, LLC
Customer Assistance Center
One Mercedes-Benz Drive
Sandy Springs, GA 30328

In Canada:

Mercedes-Benz Canada, Inc.
Customer Assistance Center
2680 Matheson Blvd E, Suite 500
Mississauga, ON L4W 0A5

Reporting safety defects

USA only:

The following text is published as required of manufacturers under Title 49, Code of U.S. Federal Regulations, Part 575 pursuant to the “National Traffic and Motor Vehicle Safety Act of 1966”.

If you believe that your vehicle has a defect which could cause a crash or could cause injury or death, you should immediately inform the National Highway Traffic Safety Administration (NHTSA) in addition to notifying Mercedes-Benz USA, LLC.

If NHTSA receives similar complaints, it may open an investigation, and if it finds that a safety defect exists in a group of vehicles, it may order a recall and remedy campaign. However, NHTSA cannot become involved in individual problems between you, your dealer, or Mercedes-Benz USA, LLC.

To contact NHTSA, you may call the Vehicle Safety Hotline toll-free at 1-888-327-4236 (TTY: 1-800-424-9153) ; go to <https://www.safercar.gov>; or write to: Administrator, NHTSA, 400 Seventh Street, SW., Washington, DC 20590, USA.

You can also obtain other information about motor vehicle safety from <https://www.safercar.gov>.

Canada only:

The following text is published as required of manufacturers under subsection 18.4 (4) of the Motor Vehicle Safety Regulations.

If you believe that your vehicle has a defect which could cause a crash or could cause injury or death, you should immediately inform Transport Canada in addition to notifying Mercedes-Benz Canada Inc.

If Transport Canada received similar complaints, it may open an investigation, and if it finds that a safety defect exists in a group of vehicles, it may order a recall and remedy campaign. However, Transport Canada cannot become involved in individual problems between you, your dealer, or Mercedes-Benz Canada Inc.

To contact Transport Canada, you may call the Defect Investigations and Recalls Division toll-free in Canada at 1-800-333-0510 or 819-994-3328 in the Gatineau-Ottawa area or internationally; may also go to the following websites for more information:

- English: <https://www.tc.gc.ca/recalls>
- French: <https://www.tc.gc.ca/rappels>

Limited 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 to the inside of the socket 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 res-

cue 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

There are electronic control units installed in your vehicle. Control units process data that they e.g. receive from vehicle sensors, generate themselves or exchange among themselves. Some control units are required for the safe operation of your vehicle. For example, some assist you when you are driving, such as driver assistance systems, while others enable convenience or infotainment functions.

The following provides you with general information regarding data processing in the vehicle. Additional information on what specific data is collected, stored and transmitted to third parties

for what purpose in your vehicle can be found in the notes on the functional features in question in the respective operating instructions. These are also available online and, depending on the equipment, digitally in the vehicle.

Personal data

Each vehicle is marked with a unique vehicle identification number. Depending on the country, this vehicle identification number can be used by, for example, government authorities to determine the identity of the owner. There are other possibilities for using data collected from the vehicle to identify the owner or driver, such as the license plate number.

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

Legal requirements for the disclosure of data

If legal regulations exist, manufacturers are generally obligated to release data stored by the manu-

facturer to the necessary extent in individual cases at the request of state authorities. This may be the case during the investigation of a criminal offense, for example.

Within the framework of applicable law, state authorities are also authorized to take data readouts from vehicles themselves in specific cases. In the event of an accident, for example, information readouts can be taken from the air bag control unit to help to establish what happened.

Operating data in the vehicle

Control units process data to operate the vehicle.

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 indicator
- Ambient conditions, such as temperature, rain sensor or distance sensor

As a rule, this data is volatile, is not stored beyond the operating time and is processed only in the vehicle itself. Control units (e.g. the vehicle key) often contain data memories. These are used to

temporarily or permanently document information about the vehicle's operating state, component stress, maintenance requirements or technical events and malfunctions.

Depending on the technical equipment, the following data will be stored:

- Operating status of system components (e.g. fill levels, tire pressure, battery status)
- Malfunctions or faults in important system components (e.g. lights, brakes)
- System reactions in special driving situations (e.g. air bag deployment, the intervention of stability control systems)
- Information on events leading to vehicle damage
- State of charge of the high-voltage battery; estimated range

In special cases, it may be necessary to store data that would otherwise only be volatile. This may be the case if the vehicle has detected a malfunction, for example.

If you use services such as repair services or maintenance work, stored operational data read-

outs can be taken and used together with the vehicle identification number, where necessary. Readouts can be taken by service network employees such as workshops and manufacturers, or third parties, such as breakdown services. The same is true in the case of warranty claims and quality assurance measures.

The readout will usually be taken via the diagnostics connection in the vehicle, which is required by law. The operating data readout taken documents technical conditions of the vehicle or individual components and helps to diagnose malfunctions, meet warranty obligations and improve quality. This data, particularly information on component stress, technical events, operating errors and other malfunctions, will be transmitted to the manufacturer for this purpose together with the vehicle identification number if necessary. In addition, the manufacturer is subject to product liability. For this reason, the manufacturer also uses operational data from the vehicle for e.g. recalls. This data can also be used to check customer claims for warranty and guarantee.

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

Comfort and infotainment functions

You can save comfort settings and individualization in the vehicle and change or reset them at any time.

Depending on the vehicle equipment, this includes the following settings, for example:

- Seat positions and steering wheel positions
- Suspension tuning and climate control settings
- Custom settings (e.g. interior lighting)

You can incorporate data into the vehicle's infotainment functions yourself as part of the selected equipment.

Depending on the vehicle equipment, this includes the following data, for example:

- Multimedia data (e.g. music, films or photos for playback in an integrated multimedia system)

- Address book data for use in conjunction with an integrated hands-free system or an integrated navigation system
- Navigation destinations that have been entered
- Data about the use of internet services

This data for comfort and infotainment functions can be saved locally in the vehicle or stored on a device that you have connected to the vehicle (e.g. smartphone, USB flash drive or MP3 player). If you have entered data yourself, you can delete it at any time.

The transfer of this data out of the vehicle will take place exclusively at your request. This applies in particular when you are using online services according to the settings you have selected.

Smartphone integration (e.g. Android Auto or Apple CarPlay®)

If your vehicle is equipped appropriately, you can connect your smartphone or another mobile device to the vehicle. You will then be able to control them using the controls integrated in the vehicle. The smartphone's picture and sound can be

output via the multimedia system. Specific items of information will also be transferred to your smartphone. Depending on the type of integration, this may include position data, day/night mode and other general vehicle statuses. Please refer to the vehicle Operator's Manual / infotainment system operating instructions for further information.

This integration allows the use of selected smartphone apps (e.g. navigation apps, music player apps). There will be no further interaction between your smartphone and the vehicle; in particular, vehicle data will not be directly accessible. The type of additional data processing is determined by the provider of the app being used. Whether you can configure settings for it and, if so, which ones, depend on the 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 net-

work 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 Operator'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 is exchanged via a secure connection, such as the manufacturer's designated IT systems. Any personal data which is 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.

MBUX multimedia system/Mercedes me connect

If the vehicle is equipped with the MBUX multimedia system or Mercedes me connect, additional data about the vehicle's operation, the use of the vehicle in certain situations, and the location of the vehicle may be compiled by the MBUX multimedia system or Mercedes me connect.

For additional information, please refer to the "MBUX multimedia system" section and/or the Mercedes me connect Terms and Conditions.

Event data recorder

USA only:

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

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

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

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

injuries occur. NOTE: EDR data are recorded by your vehicle only if a non-trivial crash situation occurs; no data are recorded by the EDR under normal driving conditions and no personal data (e.g., name, gender, age, and crash location) are recorded. However, other parties, such as law enforcement could combine the EDR data with the type of personally identifying data routinely acquired during a crash investigation.

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

EDR data may be used in civil and criminal matters as a tool in accident reconstruction, accident claims, and vehicle safety. Since the Crash Data Retrieval CDR tool that is used to extract data from the EDR is commercially available, Mercedes-Benz USA, LLC („MBUSA“) expressly disclaims any and all liability arising from the extraction of this information by unauthorized Mercedes-Benz personnel.

MBUSA will not share EDR data with others without the consent of the vehicle owners or, if the vehicle is leased, without the consent of the lessee. Exceptions to this representation include responses to subpoenas by law enforcement; by federal, state or local government; in connection with or arising out of litigation involving MBUSA or its subsidiaries and affiliates; or, as required by law.

Warning: The EDR is a component of the Restraint System Module. Tampering with, altering, modifying or removing the EDR component may result in a malfunction of the Restraint System Module and other systems.

State laws or regulations regarding EDRs that conflict with federal regulation are pre-empted. This means that in the event of such conflict, the federal regulation governs. As of Dec 2016, 17 states have enacted laws relating to EDRs.

Copyright

Free and open source software

Information on licenses for free and open-source software used in your vehicle can be found on the data carrier in your vehicle document wallet and with updates on the following website:

<https://www.mercedes-benz.com/opensource>

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44 General notes

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Brief overview of the 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 46).
- Fasten the seat belt correctly (→ page 47).
 - Function of the  seat belt warning lamp (→ page 49).
 - Function of the rear seat belt status display (→ page 49).
- The  restraint system warning lamp has gone out after the self-test (→ page 48).
- The PASSENGER AIR BAG indicator lamps display the correct status of the front passenger air bag (→ page 50).

For clear understanding

The chapter "Occupant safety" includes information on equipment, functions and behaviors 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 behavior 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 directory:** you can also find certain subjects in this Operator's Manual using the keyword directory.

Information on the following subjects, among others, are not provided in the chapter "Occupant safety":

- Children in the vehicle (→ page 63)
- Driving and driving safety systems (→ page 238)
- Stowage areas (→ page 133)

Defining generic terms clearly

In this Operator's Manual, the following generic terms are used:

- **Occupant safety:** comprises the components and system functions which help to minimize, 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 air bags, 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 63).

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.

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 air bag.

The correct seat position with an almost upright posture and a correctly fastened seat belt also reduce the risk posed by the air bag when it is deployed.

When choosing the seat, take note of the available space. When you are sitting with the right posture in a 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 air bag 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. Pregnant women must take particular care to ensure that the lap belt never lies across the abdomen.
- ▶ 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 113).

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 center of your shoulder.

- Keep your distance from the air bags, especially the front air bags. 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 a 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 air bag.
- If you are the driver, observe the following information on the correct position of the driver's seat (→ page 113).
 - Hold the steering wheel only by the steering wheel rim. This allows the driver's air bag to fully deploy.
- Assume a nearly upright position, with your buttocks as far back as possible in the gap between the seat cushion and seat backrest. This ensures that your back lies as flat and 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 air bags.
- Sit with your feet resting on the floor, if possible. Your thighs are slightly supported by the seat cushion

Do not put your feet up on the cockpit, for example. Your feet may otherwise be in the deployment area of the air bag.

- Fasten the seat belt correctly.

Notes on wearing the seat belt correctly

Always fasten your seat belt correctly before starting a journey. A seat belt can provide the best level of protection only 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 5 ft (1.50 m) tall cannot wear the seat belt correctly without a suitable additional restraint system.

- ▶ Always secure persons under 5 ft (1.50 m) tall in a suitable restraint system.

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 center 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.

Pregnant women must also take particular care with this.

- The shoulder belt strap and lap belt must fit snugly against the body after being tightened.
- 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.

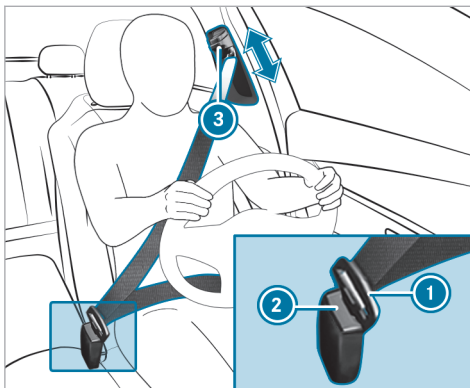
- Never secure objects with a seat belt if the seat belt is also being used by one of the vehicle's occupants.

Also ensure that no objects, e.g. a cushion, are ever placed between a person and the seat.

Fastening and adjusting 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.

Vehicles with illuminated design seat belt buckles: the illumination on the seat belt buckle does not indicate that the seat belt buckle is functioning correctly.



- ▶ Always engage seat belt tongue ① of the seat belt into seat belt buckle ② of the corresponding seat.
- ▶ **To adjust the seat belt height:** press button ③ on the seat belt outlet and slide the seat belt outlet to the desired position.
- ▶ **To engage the seat belt outlet:** release button ③ and ensure that the seat belt outlet engages.


! **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 Emergency Tensioning Device.



▶ Only buckle the seat belts as intended.


i Observe the information on the child seat safety feature of the seat belt (→ page 71).

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 disappears 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 planned in an accident.

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

If the restraint system is malfunctioning, the automatic high voltage emergency shutoff may not function.

⚠ DANGER Risk of fatal injuries due to malfunctions of the 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 be electrocuted if you touch the damaged component parts 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 in the driver display is a reminder that all vehicle occupants must wear their seat belts correctly.

The  seat belt warning lamp lights up for six seconds every time the vehicle is started.

In addition, a warning tone may sound.

When the driver's and front passengers doors are closed and the driver and front passenger have fastened their seat belts, the seat belt warning goes out.

In the following cases, the seat belt warning lights up during a journey if:

- The driver or front passenger has not fastened their seat belt and the following criteria is met:
 - The vehicle speed exceeds 5 mph (9 km/h) for more than 20 seconds.
 - The vehicle speed exceeds 15 mph (25 km/h) once.
- The driver or front passenger unfastens their seat belt while the vehicle is in motion.

Function of the rear seat belt status display

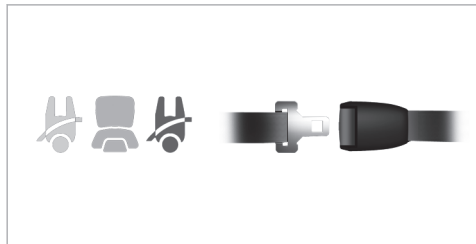
The rear seat belt status display in the driver's display is a reminder that all vehicle occupants must wear their seat belts correctly.

In addition, a warning tone may sound.

If a person unfastens a seat belt in the rear passenger compartment while the vehicle is in motion, the rear seat belt status display appears again.

Display in the driver's display

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.



Example: vehicle with three rear seats

You can determine the status of the rear seat belt by the color of the seat symbol in the driver's display as follows:

- Gray: 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.

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



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

If the front passenger seat is occupied or a child restraint system is mounted on the front passenger seat, you must ensure, both before and during the journey, that the status of the front

passenger air bag is correct for the current 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 air bag 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 will light up simultaneously for several seconds.

After the self-test, you can determine the status of the front passenger air bag as follows:

- **Front passenger air bag disabled:** PASSENGER AIR BAG OFF lights up continuously.

The front passenger air bag 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 installed on the front passenger seat, PASSENGER AIR BAG OFF must be lit continuously.

- **Front passenger air bag 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 air bag may be deployed during an accident. If the front passenger air bag has this status, a rearward-facing child restraint system must not be installed on the front passenger seat.

- ① If you are driving with a child in the vehicle, observe the information in the chapter entitled "Children in the vehicle" (→ page 63)

⚠ 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 on automatic front passenger air bag shutoff

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 installed on the front passenger seat.

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

Be sure to also observe the following further related topics:

- Child restraint system on the front passenger seat (→ page 67)

Disabling or enabling the front passenger air bag

The automatic front passenger air bag shutoff can disable or enable the front passenger air bag and front passenger knee bag 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 air bag.

Also observe the following information:

- For the status of the front passenger air bag, see "Function of the PASSENGER AIR BAG indicator lamps" (→ page 50)
- For information on using the automatic front passenger air bag shutoff, see "Information on the automatic front passenger air bag shutoff" (→ page 53)
- If you are driving with a child in the vehicle, observe the chapter "Children in the vehicle" (→ page 63)

Information on the child restraint system

When installing a child restraint system, observe the notes in "Children in the vehicle" (→ page 63).

Notes on the child restraint system on the front passenger seat

⚠ WARNING Risk of injury or fatal injuries if the front passenger air bag is enabled

If the front passenger air bag is enabled, a child on the front passenger seat may be struck by the front passenger air bag in the event of an accident.

▶ NEVER use a rearward-facing child restraint system on a seat with an ENABLED FRONT AIR BAG. This can result in the DEATH of or SERIOUS INJURY to the CHILD.

Also pay particular attention to the notes on rearward-facing or forward-facing child restraint systems on the front passenger seat (→ page 67).

Information on the automatic functions of the restraint system

Function of automatic front passenger air bag shut-off

A person on the front passenger seat must observe the following instructions:

- Sit correctly (→ page 46).
- Fasten seat belts correctly (→ page 47).

The automatic front passenger air bag shutoff can disable or enable the front passenger air bag and front passenger knee bag according to the situation.

Make sure you observe the following information:

- The status of the front passenger air bag; see "Function of the PASSENGER AIR BAG indicator lamps"(→ page 50).
- When installing a child restraint system on the front passenger seat, observe the vehicle-specific information (→ page 67).

Status of the front passenger air bag in relation to the stature of the person:

- **Front passenger air bag disabled:** PASSENGER AIR BAG OFF lights up continuously.

The front passenger air bag 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 air bag 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 air bag may be deployed during an accident. Observe the following information on the correct seat position (→ page 46).

Vehicles with rear seats: a person of smaller stature should use a rear seat.

System limits

The front passenger air bag may otherwise be disabled by mistake, e.g. in the following situation:

- The front passenger transfers their weight by supporting themselves on a vehicle armrest.
- The front passenger sits in such a way that their weight is raised from 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.

- ▶ Store 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 air bag on the front passenger side may deploy. The air bag will be 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 favorable seat position.

- **Vehicles with multicontour seat:** increasing the lateral support by inflating the seat side bolsters of the seat backrest.
- **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.

Reverting the PRE-SAFE® system measures

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

You will need to perform certain settings yourself.

- ▶ If the seat belt pre-tensioning is not reduced, move the seat backrest back slightly. The locking mechanism will release.

Function of PRE-SAFE® PLUS (anticipatory occupant protection plus)

PRE-SAFE® PLUS can detect certain impacts, particularly an imminent rear impact, and take pre-emptive measures to protect the vehicle occupants. These measures may not necessarily prevent an imminent impact.

PRE-SAFE® PLUS can implement the following measures independently of each other:

- Tightening the seat belts on the driver's seat and front passenger seat.
- Increasing brake pressure when the vehicle is stationary. This brake application is canceled automatically when the vehicle pulls away.

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

System limits

The system will not initiate any action in the following situations:

- If the vehicle is backing up
or

- When the vehicle is towing a trailer and there is a risk of a rear-end collision

The system will not initiate a brake application in the following situations:

- During a journey
or
- When the vehicle is entering or exiting a parking space using Active Parking Assist

Function of PRE-SAFE® Impulse Side

If an imminent side impact is detected, PRE-SAFE® Impulse Side can pre-emptively move the front seat vehicle occupant's upper body towards the center of the vehicle. It does this by rapidly inflating an air cushion in the outer seat side bolster of the seat backrest on the side on which the impact is anticipated. This increases the distance between the door and the vehicle occupant.

If PRE-SAFE® Impulse Side has been deployed or is faulty, the [PRE-SAFE Pulse Side Inoperative](#) See Operator's Manual display message appears. (→ page 479).

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.

This function is a reminder that all vehicle occupants must wear their seat belts correctly.

You can activate and deactivate the seat belt adjustment function using the multimedia system (→ page 55).

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)
- activating the hazard warning lights
- triggering an automatic emergency call (→ page 395)
- Shutting off the drive system and high-voltage on-board electrical system

To start the vehicle again, switch the vehicle off and back on (→ page 194). Depending on the type and severity of the accident, the vehicle might no longer start.

- unlocking the vehicle doors
- lowering the side windows
- displaying the emergency guide on the central display
- 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)

Make sure that the following prerequisites in particular have been met so that the components of the restraint system are able to provide the intended level of protection:

- Sit correctly (→ page 46).
- Fasten the seat belt correctly (→ page 47).
 - Function of the seat belt warning lamp (→ page 49).
 - Function of the rear seat belt status display (→ page 49).
- The restraint system warning lamp  is not lit up after the self-test (→ page 48).
- The PASSENGER AIR BAG indicator lamps display the correct status of the front passenger air bag (→ page 50).

Depending on the detected deployment situation, the components of the restraint system can be activated or deployed independently of each other:

- Emergency Tensioning Device: frontal impact, rear impact, side impact, rollover
- Driver's air bag, front passenger air bag: frontal impact
- Knee air bag: frontal impact
- Side impact air bag: side impact
- Center air bag in the driver's seat backrest: side impact
- Window curtain air bag: side impact, rollover, frontal impact
- PRE-SAFE® Impulse Side: side impact

The installation location of an air bag is identified by the AIRBAG symbol (→ page 62).

Observe the information on the function of the restraint system (→ page 57).

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 56).

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 that can be seen and measured only after a collision has occurred do not play a decisive role in the deployment of an air bag, nor do they provide an indication of air bag deployment.

The vehicle may be deformed significantly without an air bag being deployed. This is the case if only parts that are relatively easily deformed are affected and the rate of vehicle deceleration is not high. Conversely, an air bag may be deployed even though the vehicle suffers only minor defor-

mation. If very rigid vehicle parts, such as longitudinal members, are hit, the vehicle deceleration may be high enough for this to happen.

Depending on the apparent type of accident and the detected deployment situation, Emergency Tensioning Devices and/or air bags supplement the protection offered by a correctly worn seat belt.

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

Potential protection provided by each air bag:

- Knee air bag: thighs, knees and lower legs
- Driver's air bag, front passenger air bag: head and ribcage
- Window air bag: head
- Side air bag: ribcage, also pelvis for front seat occupants
- Center air bag: head and ribcage

However, no system available today can completely eliminate injuries and fatalities in every accident situation. In particular, the seat belt and air bag 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 air bag 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 Emergency Tensioning Device has been triggered or an air bag deployed.

If the Emergency Tensioning Devices are triggered or an air bag 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.

Air bags and pyrotechnic Emergency Tensioning Devices contain perchlorate material, which may require special handling or environmental protec-

tion measures. National guidelines regarding waste disposal must be observed. In California, see <https://dtsc.ca.gov/>. You can use the search function to find information on perchlorate, for example.

Information on the limited protection provided by the restraint system

Risk due to the incorrect behavior of vehicle occupants

Every vehicle occupant must make sure of the following in particular:

- They observe the information on the correct seat position (→ page 46).
- There are no heavy, sharp-edged or fragile objects in the pockets of their clothing. Store such objects in a suitable place.

⚠ WARNING Risk of injury or death due to an incorrect seat position

The seat belt does not offer the intended level of protection if you have not moved the seat backrest to an almost vertical position.

In particular, you could slip beneath the seat-belt and become injured.

- ▶ Adjust the seat properly before beginning your journey.
- ▶ Always ensure that the seat backrest is in an almost vertical position and that the shoulder belt is routed across the center 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 46).
- There are no objects between the seat, door and door pillar (B-pillar).

- There are no hard objects, e.g. coat hangers, hanging on the grab handles or coat hooks.
- There are no heavy, sharp-edged or fragile objects in the pockets of their clothing. Store such objects in a suitable place.

⚠ 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 Emergency Tensioning Devices.

- ▶ 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 air bag is identified by the AIRBAG (→ page 62) symbol.

Observe the following information:

- Notes on loading the vehicle (→ page 133)
- Information on the center air bag in the driver's seat backrest (→ page 62)

Risk due to installation of accessories

Do not attach accessories such as mobile navigation devices, mobile phones or cup holders within the deployment area of an air bag, 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 may be routed or attached to the vehicle within the deployment area of an air bag. 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

Unsuitable protective covers mean that air bags can no longer protect vehicle occupants as they are designed to do.

- ▶ Use only protective covers approved by Mercedes-Benz for the seat in question.

In addition, the function of the automatic front passenger air bag shutoff 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 air bag (→ page 50).

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 possibly press buttons or switches.

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 around in the vehicle in the event of an accident or sudden steering and braking maneuvers and injure vehicle occupants in the process.

- ▶ Never leave animals in the vehicle unattended.
- ▶ 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 an authorized Mercedes-Benz Center for details.

USA only: for details, contact our Customer Assistance Center on 1-800-FOR-MERCEDES (1-800-367-6372).

⚠ 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 Emergency Tensioning Device, 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 Emergency Tensioning Devices could accidentally trigger or fail to function as intended.

- ▶ Never modify the seat belt system, for example the seat belt, seat belt buckle,

Emergency Tensioning Device, 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.

Use only seat belts that have been approved for your vehicle by Mercedes-Benz.

⚠ WARNING Risk of injury due to modifications to the cover of an airbag

If you change the cover of an airbag or attach objects, e.g. even stickers, to it, the airbag may 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 air bag is identified by the AIRBAG symbol (→ page 62).

⚠ 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 that 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 air bag components

The air bag parts are hot after an air bag has been deployed.

- ▶ Do not touch the air bag parts.
- ▶ Have a deployed air bag 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 air bags replaced immediately.

⚠ WARNING Risk of injury or death from deployed pyrotechnic Emergency Tensioning Devices

Pyrotechnic Emergency Tensioning Devices that have been deployed are no longer operational and are unable to perform their intended protective function.

- ▶ Therefore, have deployed pyrotechnic Emergency Tensioning Devices 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.

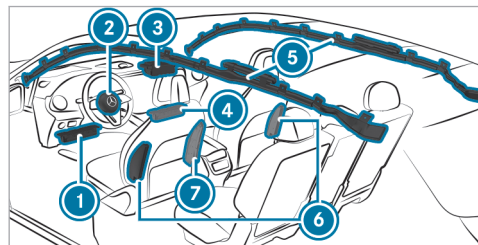
! NOTE Damage caused by trapping the seat belt

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.

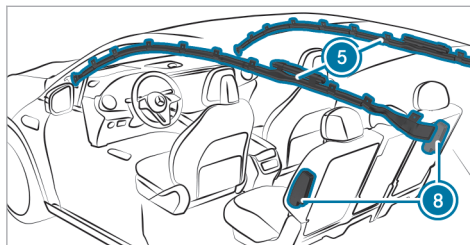
Airbags

Overview of air bags



Driver's/front passenger seat:

- ① Driver's knee bag
- ② Driver's air bag
- ③ Front passenger air bag
- ④ Front passenger knee bag
- ⑤ Window curtain air bag
- ⑥ Side impact air bag
- ⑦ Center air bag



Rear seats:

- ⑤ Window curtain air bag
- ⑧ Side impact air bag

The installation location of an air bag is identified by the symbol AIRBAG. An additional arrow symbol ► indicates the installation location for certain air bags.

Observe the information in "Overview of deployment situations" (→ page 56).

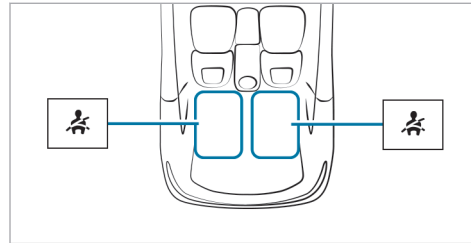
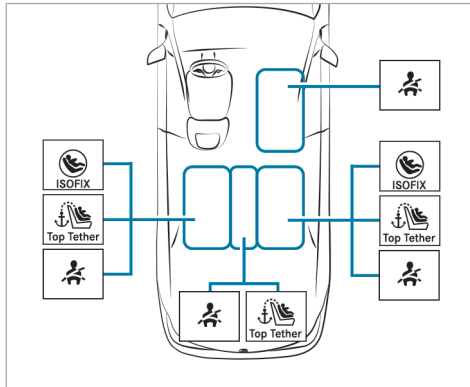
Information on the center air bag in the driver's seat backrest

When triggered, the center air bag deploys between the front seats. Do not stow any objects in the deployment area of the center air bag.

Observe the notes on loading the vehicle (→ page 133).

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 65).
- Secure children younger than twelve or of a height up to 5 ft (1.50 m) on the seat (see illustration above) properly with a suitable and approved child restraint system 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)

Second row of seats – preferred fastening system:

- ☐ ISOFIX mounting brackets
- ☐ and additionally fasten Top Tether if available (→ page 74).

Second row of seats – alternative fastening system:

- ☐ Vehicle seat belt (→ page 75)
- ☐ Additionally fasten Top Tether if recommended by the manufacturer of the child restraint system (→ page 74).

Third row of seats – fastening system:

- ☐ Vehicle seat belt (→ page 75)

Front passenger seat

Fastening system:

- ☐ Vehicle seat belt (→ page 75)

Be sure to observe:

- If the front passenger seat is occupied, ensure that the status of the front passenger air bag

is correct for the current situation
(→ page 50).

Rear center seat (second seat row only)

Fastening system:



Vehicle seat belt (→ page 75)



Additionally fasten Top Tether if recommended by the manufacturer of the child restraint system (→ page 74).

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 old or under 5 ft (1.50 m) in height, Mercedes-Benz recommends you observe the following information:

- 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 installed:

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 install a child restraint system to a rear seat.

The generic term child restraint system

The generic term child restraint system is used in this Operator'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.

Securing systems for child restraint systems in the vehicle

Use only the following securing systems for child restraint systems:

- The ISOFIX mounting bracket
- The vehicle's seat belt system
- The Top Tether anchorages

Simply attaching to the ISOFIX mounting brackets on the vehicle can reduce the risk of installing the child restraint system incorrectly.

When securing a child with the integrated seat belt of the ISOFIX/LATCH child restraint system, always comply with the permissible gross weight for the child and child restraint system (→ page 72).

A child booster seat may be necessary to achieve proper seat belt positioning for children over 40 lbs (18 kg) in weight or until they reach a height where a three-point seat belt can be installed properly without a child booster seat.

Mercedes-Benz recommends a suitable child booster seat with a backrest and seat belt guide.

Observe standards for child restraint systems

All child restraint systems must meet the following standards:

- U.S. Federal Motor Vehicle Safety Standards 213
- Canadian Motor Vehicle Safety Standards 213

Confirmation that the child restraint system complies with the standards can be found on an information label on the child restraint system. This confirmation can also be found in the installation instructions that are included with the child restraint system.

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.

- Always observe the vehicle-specific information.
 - Installing the ISOFIX/LATCH child restraint system on the right and left rear seats (→ page 72).
 - Securing the child restraint system with the seat belt (→ page 75).
- 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 mounted or unsecured, it may come loose.

The child can then not be protected or restrained as intended.

Unused child restraint systems could be flung around and hit 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 in the vehicle unused.

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 excessively.

Children could suffer burns from these parts, particularly the metallic parts of the child restraint system.

- ▶ Always make sure that the child restraint system is not exposed to direct sunlight.
- ▶ Cover 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 if children are left unattended in the vehicle

If children are left unattended 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.

In addition, the children could also set the vehicle in motion, for example by:

- releasing the parking brake.
 - changing gear.
 - starting 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 SmartKey out of the reach of children.

Notes on rearward-facing and front-facing child restraint systems on the front passenger seat

▲ WARNING Risk of injury or fatal injury when using a rearward-facing child restraint system while the co-driver airbag is enabled

If you secure a child in a rearward-facing child restraint system on the co-driver seat and the

PASSENGER AIR BAG OFF indicator lamp is off, the co-driver airbag can deploy in the event of an accident.

The child could be struck by the airbag.

- ▶ Always ensure that the co-driver 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; DEATH or SERIOUS INJURY to the CHILD can occur.

Observe the specific instructions for the rearward-facing and forward-facing child restraint systems (→ page 70).

If it is absolutely necessary to install a child restraint system on the front passenger seat, always observe the following information:

- When a rearward-facing child restraint system is used on the front passenger seat, the front passenger air bag must always be disabled. This is the case only if the PASSENGER AIR

BAG OFF indicator lamp is lit continuously (→ page 50).

- The front passenger air bag is enabled when the PASSENGER AIR BAG OFF indicator lamp is not lit. The front passenger air bag may be deployed during an accident. In that case, do not use rearward-facing child restraint systems.

Information on the automatic front passenger air bag shutoff

If the front passenger seat is occupied, ensure, both before and during the journey, that the status of the front passenger air bag 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 can interfere with the function of the automatic front passenger air bag 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 rests on the seat cushion of the front passenger seat.
- ▶ The backrest of a forward-facing child restraint system must, as far as possible, be resting against the seat backrest of the front passenger seat.
- ▶ Always comply with the installation instructions from the child restraint system manufacturer.

When installing a child restraint system to the front passenger seat, observe the vehicle-specific information (→ page 67).

Rearward-facing child restraint system on the front passenger seat

If a rearward-facing child restraint system is installed on the front passenger seat, the front passenger air bag must be deactivated. The PASSENGER AIR BAG OFF indicator lamp must light up continuously (→ page 50).

⚠ WARNING Risk of injury or fatal injury when using a rearward-facing child restraint system while the co-driver airbag is enabled

If you secure a child in a rearward-facing child restraint system on the co-driver seat and the PASSENGER AIR BAG OFF indicator lamp is off, the co-driver airbag can deploy in the event of an accident.

The child could be struck by the airbag.

- ▶ Always ensure that the co-driver 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; DEATH or SERIOUS INJURY to the CHILD can occur.

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

Instead, install 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 installed on the front passenger seat, the front passenger air bag may be automatically enabled or disabled. The status of the front passenger air bag 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 50). Always observe the following information.

⚠ WARNING Risk of injury or death due to incorrect positioning of the child restraint system

If you secure a child in a forward-facing child restraint system on the co-driver seat and you position the co-driver seat too close to the dashboard, in the event of an accident, the child could:

- come into contact with the vehicle's 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 co-driver 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 seat belt outlet and the co-driver seat accordingly.

- ▶ Always comply with the child restraint system manufacturer's installation instructions.

Be sure to also observe the following further related topics:

- Function of the automatic front passenger air bag shut-off (→ page 50)

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.

Securing the child restraint system


Adjusting the seat correctly

When installing 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 installing an ISOFIX child restraint system:**

- ▶ **When using a rearward-facing child restraint system on a rear seat:** adjust the front seat such 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 such that it does not push the child restraint system forwards. If necessary, the corresponding 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 child restraint system must not be put under strain between the roof and the seat cushion and/or be installed facing in the wrong direction. Where possible, adjust the seat cushion angle accordingly.

- ▶ Adjust the vehicle head restraints such that the child restraint system is not put under strain by the head restraint.

 **When installing 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 such that it does not touch the child restraint system.
- ▶ Additionally fasten Top Tether if present (→ page 74).
- ▶ **When using a forward-facing child restraint system with integrated child seat belt:** adjust the head restraint of the respective seat such that it does not push the child restraint system forwards. If necessary, the corresponding 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 installed facing in the wrong direction. Where possible, adjust the seat cushion angle accordingly.
- ▶ Adjust the vehicle head restraints such 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 installing 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 67).
- ▶ **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 on 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 installed facing in the wrong direction.
- ▶ Adjust the vehicle head restraints such 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 for-

wards 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 such 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.

Activating/deactivating the child seat safety feature of the seat belt

 **WARNING** Risk of injury or death if a seat belt is unfastened while the vehicle is in motion

If the seat belt is released while the vehicle is in motion, the special seat belt retractor is deactivated and the child restraint system is no longer correctly secured. The seat belt is

drawn in slightly by the inertia reel and cannot be immediately closed again.

- ▶ Stop the vehicle immediately in accordance with the traffic conditions.
- ▶ Activate the special seat belt retractor again and correctly secure the child restraint system.

When enabled, the child seat safety feature ensures that the seat belts of the front passenger seat and rear seats do not slacken once the child restraint system is secured.

The seat belts on the following seats are equipped with a child seat safety feature:

- Front passenger seat
- Rear seats

Installing a child restraint system

- ▶ When installing a child restraint system, always observe the manufacturer's installation and operating instructions as well as the information in this Operator's Manual.

- ▶ Pull the seat belt smoothly from the seat belt outlet.
- ▶ Engage the seat belt tongue in the seat belt buckle.

Activating the child seat safety feature:

- ▶ Pull the seat belt out fully and let the inertia reel retract it again.
When the child seat safety feature is activated, you should hear a ratcheting sound.
- ▶ Push the child restraint system down until the seat belt sits tightly.

Deactivating the child seat safety feature:

- ▶ Press the release button of the seat belt buckle.
- ▶ Hold the seat belt tongue and guide it back to the seat belt outlet.

Installing an ISOFIX/LATCH 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 when you are driving.

- As a result, the vehicle occupant will be pushed 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 trunk or cargo compartment will not 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.

2nd seat row: if a seat is not engaged and locked, this will be shown on the driver display.

3rd seat row: always make sure that the red marking of the lock verification indicator is no longer visible. Otherwise, the seat backrest is not locked.

⚠ 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 LATCH-type (ISOFIX) or iSize 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 a LATCH-type (ISOFIX) child restraint system with integrated seat belt, the total mass of the child and child restraint system must not exceed 73 lb (33 kg).

Always observe the information on the mass of the child:

- in the installation instructions and Operator's Manual of the manufacturer of the child restraint system used

- on a label on the child restraint system, if present

Regularly check that the permissible total mass of the child and child restraint system is still being adhered to.

When installing a child restraint system, also observe the following:

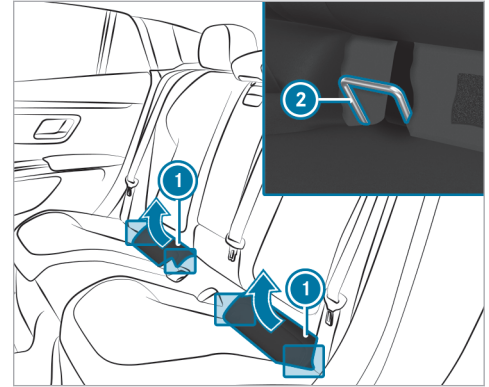
- ☑ Always observe the area of use and the suitability of the seats for attaching a child restraint system.

LATCH-type (ISOFIX) mounting brackets

- ▶ Before every journey always ensure that the ISOFIX/LATCH child restraint system is correctly engaged in both mounting brackets on the vehicle.

! NOTE Damage to the seat belt for the center seat during installation of the child restraint system

- ▶ Make sure that the seat belt is not trapped.



- ▶ Flip up the upholstery trim ①.
- ▶ Pull the tab on the upholstery trim ① up and place on the support surface. Upholstery trim ① remains folded upwards.
- ▶ Attach the ISOFIX/LATCH child restraint system to both mounting brackets ② in the vehicle.
- ▶ To close, fold upholstery trim ① upwards.

- ▶ Lift the tab from the support surface and slide back into the upholstery slit between the seat backrest and seat cushion. Close the upholstery flap.

Fastening a Top Tether

⚠ WARNING Risk of injury or death if the rear seat backrests are not locked after Top Tether belts are installed

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 installing Top Tether belts.
- ▶ Observe the lock verification indicator.

2nd seat row: if a seat is not engaged and locked, this will be shown on the driver display.

3rd seat row: always make sure that the red marking of the lock verification indicator is no longer visible. Otherwise, the seat backrest will not be locked.

⚠ WARNING Risk of injury or death from adjusting the seat after installing a child restraint system

Vehicles with electrically adjustable rear bench seats:

The following may occur:

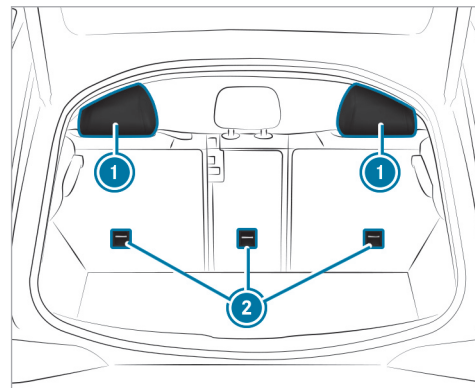
- The Top Tether belt may sit either too loose or too tight
- The child restraint system may be loose, incorrectly positioned or damaged and then not perform its intended protective function.

- ▶ Never adjust the seat after the child restraint system has been installed.



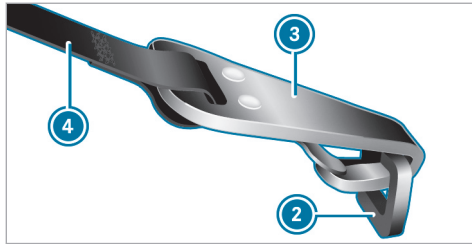
If the child restraint system is equipped with a Top Tether belt:

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 (left and right rear seats) or the seat belt (all rear seats) and the vehicle.



- ▶ If necessary, slide head restraint ① upwards (→ page 121).

In the case of a child restraint system with an I-strap Top Tether belt, the belt must be guided past the middle head restraint on the left in the direction of travel.



- ▶ Guide Top Tether belt (4) under head restraint (1) between the two head restraint bars.

In the case of a child restraint system with an I-strap Top Tether belt, the belt must be guided past the head restraint on the left in the direction of travel.

- ▶ Hook Top Tether hook (3) into Top Tether anchorage (2) without twisting.

- ▶ Tension Top Tether belt (4). Comply with the child restraint system manufacturer's installation instructions.
- ▶ If necessary, slide head restraint (1) downwards (→ page 121). 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 when you are driving.

- As a result, the vehicle occupant will be pushed 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 trunk or cargo compartment will not 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.

2nd seat row: if a seat is not engaged and locked, this will be shown on the driver display.

3rd seat row: always make sure that the red marking of the lock verification indicator is no longer visible. Otherwise, the seat backrest is not locked.

The seat belts on the following seats are equipped with a special seat belt retractor:

- Front passenger seat
- Rear seats

When enabled, the special seat belt retractor ensures that the seat belts of the front passenger seat and rear seats do not slacken once the child restraint system is secured.

- ▶ For a child restraint system of the category "Universal" or "Semi-Universal" ensure that this is approved for the vehicle seat.
- ▶ Install 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.
- ▶ **Installation on the rear seat:** also secure Top Tether, if present.
- ▶ **Installation 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 if children are left unattended in the vehicle

If children are left unattended 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.

In addition, the children could also set the vehicle in motion, for example by:

- releasing the parking brake.
- changing gear.
- starting 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 SmartKey out of the 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.

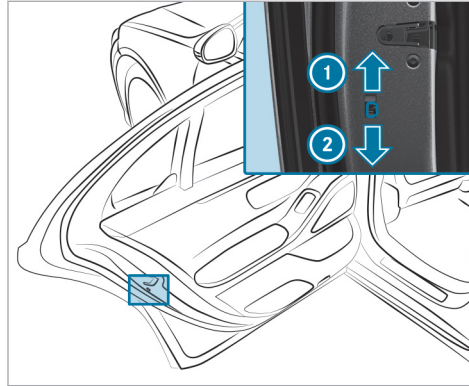
⚠ WARNING Risk of accident and injury due to children left unattended in the vehicle

If children are traveling 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

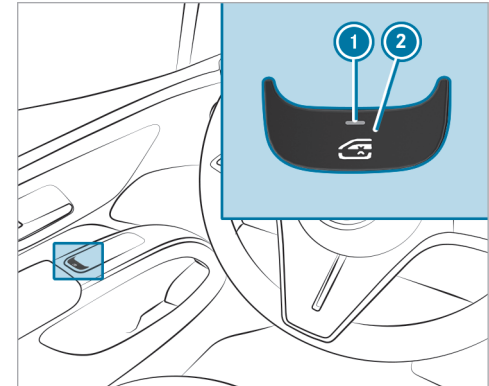
- ▶ Always activate the child safety locks installed if children are traveling in the vehicle.
- ▶ Never leave children unattended in the vehicle.
- ▶ When leaving the vehicle, always take the SmartKey with you and lock the vehicle.

There are child safety locks for the rear doors and the rear side windows. The child safety lock on the rear doors secures each door separately. The doors can no longer be opened from the inside.




- ▶ Press the lever in direction ① (activate) or ② (deactivate).
- ▶ Check the functionality of the child safety lock.

Activating/deactivating the child safety lock for the rear side windows



- ▶ **To activate/deactivate:** press 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  is off: via the switch on the corresponding rear door or driver's door

When the child safety lock is activated, the controls in the rear passenger compartment are disabled for:

- the rear side windows
- the adjustment of the front passenger seat from the rear passenger compartment
- the roller sunblinds in the roof


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 passenger 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 People 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 78). 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.

SmartKey

Overview of key functions

⚠ WARNING Risk of accident and injury due to children left unattended in the vehicle

If you leave children unattended 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.

In addition, the children could also set the vehicle in motion by, for example:

- releasing the parking brake.
- changing the gearbox position.
- 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.

This also applies to the Digital Vehicle Key.

⚠ NOTE Damage to the SmartKey caused by magnetic fields



- ▶ Keep the SmartKey away from strong magnetic fields.





Vehicle key with panic alarm

- ① Opens/closes the tailgate
- ② Unlocks (with embossed surface)

- ③ Locks
- ④ Indicator lamp
- ⑤ Panic alarm

i If indicator lamp ④ does not light up after you press the  or  button, the battery is weak or possibly discharged. Replace the battery as soon as possible.

Replace the key battery (→ page 81).

i Vehicles with comfort doors: If you have switched on the **Comfort Doors** function in the multimedia system (→ page 94), you can open or close the driver's or front passenger door by pressing the  or  button. Additional information on the comfort doors (→ page 89).

The key locks and unlocks the following components:

- Doors
- Socket flap
- Tailgate

If the vehicle is not opened within approximately 40 seconds after unlocking, it will lock again. Anti-theft protection will be armed again.

Do not keep the key together with electronic devices or metal objects. This may affect the key's functionality.

Activating/deactivating the acoustic locking verification signal

Multimedia system:

→  » Settings » Vehicle

» Open/Close

▶ Switch the **Acoustic Lock** on or off.

Activating/deactivating the panic alarm

Requirements

- The vehicle is switched off.



▶ **To activate:** press button ① for approximately one second.
A visual and audible alarm is triggered.

▶ **To deactivate:** briefly press button ① again.



or

▶ Press the Start/Stop button.
A key belonging to the vehicle must be detected in the vehicle.


Changing the unlocking settings

Possible unlocking functions of the key:

- Central unlocking
- Unlocking the driver's door and socket flap

▶ **To switch between settings:** press the  and  buttons simultaneously for approximately six seconds until the indicator lamp flashes twice.

Options if the unlocking function for the driver's door and socket 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 socket flap are unlocked.

Deactivating the function of the key

Vehicles with KEYLESS-GO: if you deactivate the function of the SmartKey, the KEYLESS-GO functions will also be deactivated. Access or drive authorization by KEYLESS-GO will then no longer be possible with that particular SmartKey. Activate the function of the SmartKey so that all its functions will again be available.

You can also deactivate the function of the SmartKey to reduce the energy consumption of the

SmartKey if you do not use the vehicle or a SmartKey for an extended period of time.

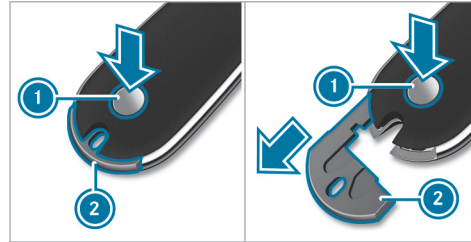
- ▶ Press and hold the  button on the SmartKey.
- ▶ With the key button  pressed, immediately press key button  twice in quick succession. The indicator light of the key lights up once briefly and once for a long time.

i The following options for re-activating the SmartKey are available:

- Press any button on the SmartKey.
- Start the vehicle with the SmartKey in the marked space in the center console (→ page 196).

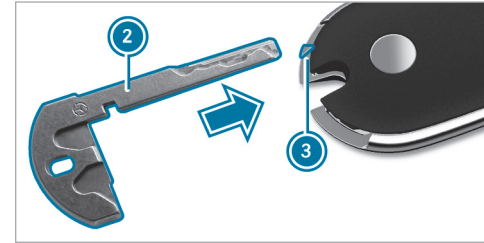
Removing/inserting the emergency key

Removing the emergency key



- ▶ Press release knob **1**.
- ▶ Emergency key **2** is pushed out slightly.
- ▶ Fully remove emergency key **2**.

Inserting the emergency key



- ▶ Insert emergency key **2** at marking **3** until it engages.
- i** You can use emergency key **2** to attach the key to a key ring.

Replacing the key battery


⚠ DANGER Risk of fatal injuries 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 batteries out of the reach of children.
- ▶ If the battery compartment cover and/or lid 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.



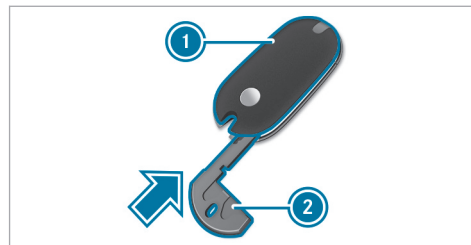
Dispose of batteries in an environmentally responsible manner. Take discharged batteries to a qualified specialist workshop or to a collection point for used batteries.

Requirements

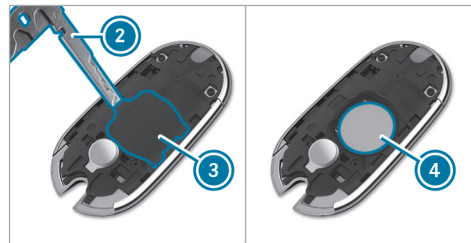
- You require a CR 2032 3 V cell battery.

Mercedes-Benz recommends that you have the battery replaced at a qualified specialist workshop.

- ▶ Remove the emergency key (→ page 81).



- ▶ Press emergency key ② into the opening in the key in the direction of the arrow until cover ① opens. When doing so, do not hold cover ① closed.



- ▶ Insert emergency key ② into the opening and lift up covering ③ and remove it.
- ▶ Repeatedly tap the key against your palm until battery ④ falls out of the key.
- ▶ Insert the new battery with the positive pole facing upwards. Use a lint-free cloth to do so.
- ▶ Make sure that the surface of the battery is free of lint, grease and other impurities.
- ▶ Insert the front tabs of covering ③ into the housing and then press on both sides to close it.
- ▶ Make sure that covering ③ is completely closed.
- ▶ Insert the front tabs of cover ① into the housing and then press until it is completely closed.
- ▶ Insert the emergency key again (→ page 81).

Problems with the key, troubleshooting

You can no longer lock or unlock the vehicle

Possible causes are:

- The key battery is weak or discharged.
- ▶ Check the battery using the indicator lamp (→ page 79).
- ▶ Replace the key battery, if necessary (→ page 81).
- ▶ Use the replacement key.
- ▶ Use the mechanical key to lock or unlock (→ page 95).
- ▶ Have 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 metal objects or induction loops for electrical gate systems or automatic barriers

- ▶ Make sure 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.

Digital Vehicle Key

Unlocking and locking the vehicle with the Digital Vehicle Key

Requirements:

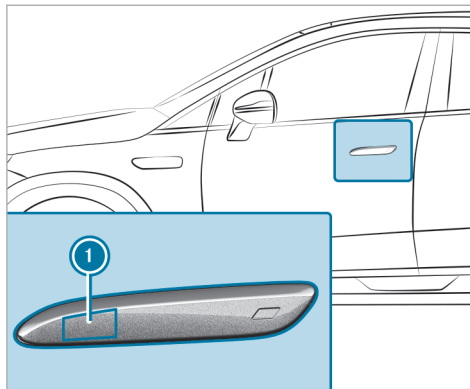
- The vehicle is equipped with the "Digital Vehicle Key" pre-installation.
- The "Digital Vehicle Key" function is activated via Mercedes me: <https://www.mercedes.me>.

- Bluetooth® is activated on the end device (with the Digital Vehicle Key activated).
- The end device is sufficiently charged.

The Digital Vehicle Key can be used for the following functions:

- Locking/unlocking the vehicle with KEYLESS-GO (→ page 87)
- HANDS-FREE ACCESS function (→ page 99)
- Convenience closing (closing the vehicle from outside) (→ page 104)
- **Vehicles with comfort doors:** opening of the driver's door upon approaching the vehicle (→ page 89)
- Anti-theft protection (→ page 109)
- Starting (→ page 194) or shutting off (→ page 231) the vehicle
- Starting the vehicle with the Digital Vehicle Key in the storage compartment (emergency operation mode) (→ page 195)
- Locking and unlocking the vehicle with the NFC function (emergency unlocking)

When the Digital Vehicle Key's rechargeable battery is at extremely low capacity, it is possible to lock and unlock the vehicle with the NFC function (emergency unlocking).



▶ **Locking and unlocking the vehicle with the NFC function:** hold the Digital Vehicle Key against the door handle in close proximity to the NFC antenna ❶ for approximately five to ten seconds.

❶ If the Bluetooth® connection is not working, or the rechargeable battery for the Digital Vehicle Key is at very low capacity, it is also possible to start the vehicle via the NFC function (→ page 195).

Depending on the end device, you can continue to use the KEYLESS-GO function for a certain amount of time, even if the rechargeable battery in the Digital Vehicle Key is at very low capacity.

- ❶ Mercedes-Benz recommends that the key is carried about your person as a security measure against functional restrictions (→ page 81).
- ❶ Mercedes-Benz recommends placing the Digital Vehicle Key in the storage compartment while driving (→ page 195).
- ❶ Refer to the Digital Operator's Manual for more information on the Digital Vehicle Key.

Troubleshooting problems with the Digital Vehicle Key

You can no longer lock and unlock the vehicle with the Digital Vehicle Key.

Possible causes:

- Bluetooth® is deactivated on the Digital Vehicle Key.
 - The rechargeable battery for the Digital Vehicle Key is at low capacity or is flat.
- ▶ Activate Bluetooth® on the Digital Vehicle Key.
 - ▶ Check the state of charge for the Digital Vehicle Key's rechargeable battery.
 - ▶ If necessary, charge the rechargeable battery of the Digital Vehicle Key.
 - ▶ Using the NFC function of the Digital Vehicle Key for locking or unlocking the vehicle (emergency unlocking) (→ page 83).
 - ▶ Use the vehicle key.
 - ▶ Use the emergency key to lock or unlock (→ page 95).

- ▶ Have the vehicle and the Digital Vehicle Key checked at a qualified specialist workshop.

There is interference from a powerful radio signal source.

Possible causes of Digital Vehicle Key impairment:

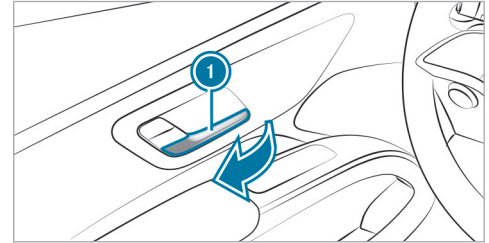
- high-voltage power lines
 - mobile phones
 - electronic devices (laptops, tablets)
 - shielding due to metal objects or induction loops for electric gate systems or automatic barriers
- ▶ Ensure sufficient distance between the Digital Vehicle Key and any potential source of interference.

You have lost a Digital Vehicle Key.

- ▶ Remove the Digital Vehicle Key.
- i** For information on removing the Digital Vehicle Key, refer to the Digital Operator's Manual.

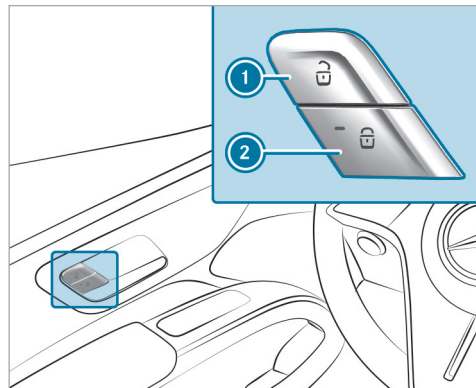
Doors

Unlocking/opening the doors from the inside



- ▶ **To unlock and open a front door:** pull door handle **1**.
- ▶ **To unlock a rear door:** pull the rear door handle.
- ▶ **To open a rear door:** pull the rear door handle again.

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.

① The buttons are also located on the front passenger door and rear doors.

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
- After locking with the NFC function (**vehicles with Digital Vehicle Key:**)

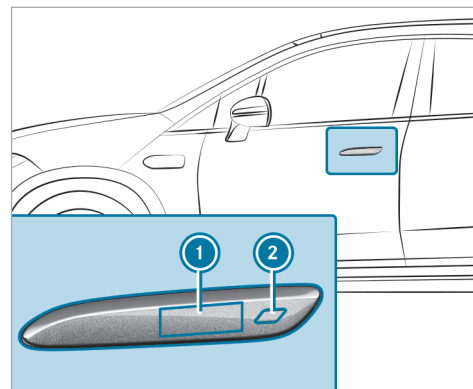
Recessed door handles extend or retract

The door handles extend automatically:

- when you unlock the vehicle with the key
- when you touch one of the two outer sensor surfaces (when the vehicle is unlocked)

The door handles retract automatically:

- when you lock the vehicle with the key
- when pulling away
- after waiting for a time



▶ **To extend the door handle:** touch outer sensor surface ① or ②.

▶ **If the vehicle has been locked automatically and another person wishes to get in:** press the button on the driver's door to unlock the vehicle (→ page 86).
The door handles will extend.

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 3 ft (1 m).
- The driver's door and the door at which the door handle is used are closed.

i Vehicles with Digital Vehicle Key: You can use the Digital Vehicle Key in the same way as the conventional vehicle key.

The door handles extend automatically:

- when a vehicle key is detected (the vehicle is then not yet unlocked)
- when you unlock the vehicle with the key
- when you touch one of the two outer sensor surfaces of the door handle (when the vehicle is unlocked)

The door handles retract automatically:

- when you lock the vehicle with the key
- when you touch one of the two outer sensor surfaces of the door handle to lock it

- after convenience closing (→ page 104)
- when pulling away
- after a short delay

! **NOTE** Vehicle damage due to unintentional opening of the tailgate or a door

- When using an automatic car wash
- When using a high pressure cleaner

▶ Deactivate the function of the SmartKey in these situations.

or

▶ Make sure that the SmartKey is at a minimum distance of 10 ft (3 m) (power washer) or 20 ft (6 m) (automatic car wash) away from the vehicle.

Vehicles with Digital Vehicle Key:

! **NOTE** Vehicle damage due to unintentional opening of the tailgate or a door

- when using an automatic car wash

- when using a power washer

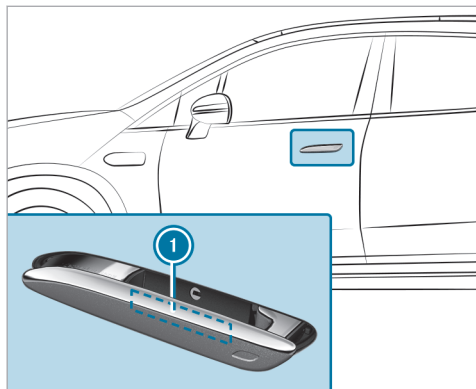
▶ In these situations, switch off the Digital Vehicle Key.

or

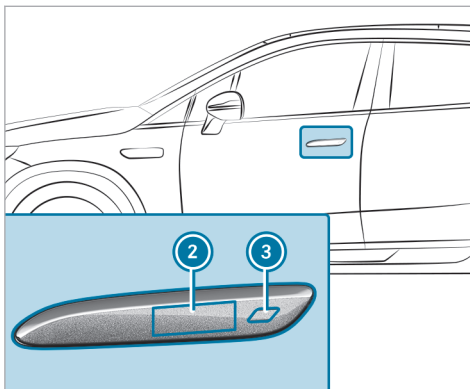
▶ Make sure that the Digital Vehicle Key is at least 10 ft (3 m) (power washer) or 20 ft (6 m) (car wash) away from the vehicle.

Observe the information:

- on washing the vehicle in a car wash (→ page 404)
- on using a power washer (→ page 407)



▶ **To unlock the vehicle:** with the door handle extended, touch the inside surface of the door handle ❶.



▶ **When the vehicle is unlocked:** touch the sensor surface ❷ or ❸ to extend the door handle.

▶ **When the vehicle is locked:** touch the sensor surface ❷ or ❸ to unlock.

▶ **To lock the vehicle:** touch the sensor surfaces ❷ or ❸.

▶ **Convenience closing:** touch the recessed sensor surface ❸ for a prolonged period.

❶ Further information on convenience closing (→ page 104).

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. This also applies to the Digital Vehicle Key.
- The key battery is weak or discharged.

Vehicles with Digital Vehicle Key: depending on the respective end device, you can continue to use the KEYLESS-GO function for a certain amount of time even if the rechargeable battery in the Digital Vehicle Key is at very low capacity.

▶ Activate the function of the key (→ page 80).

▶ Check the battery via the indicator lamp (→ page 79).

- ▶ If necessary, replace the key battery (→ page 81).
- ▶ Use the replacement key.
- ▶ Use the emergency key to lock or unlock (→ page 95).
- ▶ 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 (laptops, 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 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 Door Lock**.



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.

Opening and closing the comfort doors

⚠ WARNING Risk of becoming trapped when the comfort doors close automatically

Parts of the body could become trapped. There may be people or animals in the closing area.

- ▶ Make sure that nobody is in the vicinity of the closing area.
- ▶ Use one of the following options to stop the closing process:
 - Driver's or front passenger door: press the  or  button on the SmartKey.
 - Driver's door: depress the brake pedal.
 - All doors: pull the inside or outside door handles.
 - All doors: touch the recessed sensor surface on the door handle.
 - All doors: push against or pull the door.

- All doors (except driver's door): briefly move your hand toward the door from the inside and then stop it.
- All doors: select the "Cancel process" display on the Comfort menu in the multimedia system.

! **NOTE** Risk of accident during automatic opening and closing of the comfort doors

The visibility of your surroundings may be impaired.

- ▶ Make sure that there are no persons, animals or objects in the range of movement of the comfort doors when they are opening and closing.
- ▶ When opening the comfort doors, look out for low-lying objects and obstacles in their range of movement in particular.
- ▶ When opening the comfort doors, look out for objects and obstacles in the side window areas in particular.

Opening or closing the comfort doors

The following functions are required to automatically open and close the comfort doors:

- KEYLESS-GO (→ page 87)
- Power closing function (→ page 95)
- Parking Package with 360° camera (→ page 290)
- or
- Remote Parking Assist with Mirror Package (→ page 307)
- Active Blind Spot Assist (→ page 279)

The comfort doors can then be opened and closed automatically.

i If Active Blind Spot Assist is deactivated or unavailable, the comfort doors cannot be opened from inside.

The following options are available for opening or closing the comfort doors:

- the key (to open and close the driver's door and front passenger door)


- approaching the vehicle (to open the driver's door)
- depressing the brake pedal (to close the driver's door)
- the inner door handles (to open and close the doors)
- the outer door handles (to close the doors)
- gesture control (to close doors from inside, except driver's door) (→ page 348)
- the multimedia system (→ page 94)



i You cannot open a rear door with the door handle from inside the vehicle if it is secured by the child safety lock. Further information on the child safety lock for the rear doors (→ page 76).
You can still open the rear doors from the inside via the multimedia system (→ page 94).


Special features of the comfort doors:


- If, when closing, the door has reached the first detent position, the power closing function (→ page 95) will automatically draw the door into the lock.


- When the doors are closed via the comfort function, they are not automatically locked.

▶ **To open the driver's door or front passenger door with the key:** press and hold the  button on the key until the door starts to open.

ⓘ In the multimedia system, you can set whether the driver's door, the front passenger door or no doors open when you press the  button on the key (→ page 94). The convenience opening function is carried out if no doors open when the  button is pressed. Convenience opening can involve opening of the side windows and the panoramic sliding sunroof, for example. Further information on convenience opening (→ page 104).

▶ **To close the driver's door or front passenger door with the key:** press and hold the  button on the key until the door starts to close.
All open doors close.

▶ **Convenience closing with the key:** press and hold the  button on the key.
All open doors, side windows and the panoramic sliding sunroof close.

ⓘ Press the  button on the key again to lock the vehicle.

To open the driver's door when approaching the vehicle:

❗ **NOTE** Vehicle damage due to unintentional opening of a door

- When passing the vehicle
 - When using an automatic car wash
 - When using a high-pressure cleaner
- ▶ In these situations, deactivate the function of the key.

ⓘ You can deactivate convenience opening of the door by switching on car wash mode (→ page 406).

When you approach your vehicle and the key is detected, the vehicle is unlocked and the driver's door opens automatically.

ⓘ **Vehicles with Digital Vehicle Key:** this also applies to the Digital Vehicle Key if the function is activated and the Digital Vehicle Key is connected to the vehicle.

▶ Set the function in the multimedia system (→ page 94).

To close the driver's door with the brake pedal:

▶ Depress the brake pedal until the door starts to close.

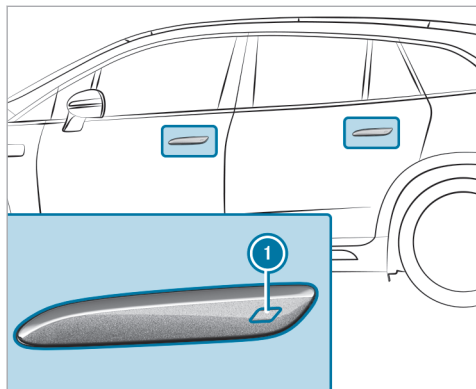
To open or close the comfort doors from inside:

▶ **Front:** pull and hold the door handle until the door starts to open (→ page 85).

▶ **Rear:** pull the door handle (→ page 85).

▶ Pull and hold the door handle again until the door starts to open.

ⓘ The opening or closing process stops when you pull the door handle during automatic operation. If you pull the door handle again, the process continues in reverse order.



- ▶ **To close the comfort doors from outside:** touch the recessed sensor surface ❶ on the door handle.

Object recognition

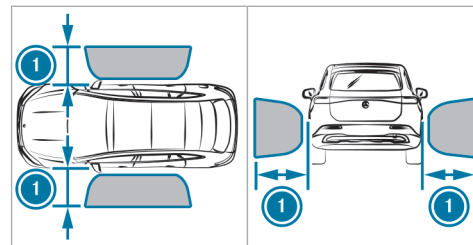
Object recognition uses several sensors to monitor the opening range of the comfort doors in order to detect objects. If one of the sensors detects an object, the comfort doors are stopped

and a warning is displayed in the multimedia system.

- ▶ Manually open a door stopped in an intermediate position.

Even if the comfort doors are equipped with sensors, it cannot be guaranteed that all objects are detected. Object recognition serves solely as an aid and is not a substitute for attentiveness of the vehicle occupants toward their immediate surroundings when opening and closing the comfort doors. The vehicle occupants are always responsible for opening and closing the doors safely.

Detection range of the sensors



- ❶ 3 ft (approximately 1 m)

! **NOTE** Risk of accident due to objects at close range

Object detection may not detect certain objects at close range.

- ▶ When opening the comfort doors, look out for low-lying objects and obstacles in their range of movement in particular.
- ▶ When opening the comfort doors, look out for objects and obstacles in the side window areas in particular. Object detection will not always detect such objects at close range, particularly

during movement. The vehicle or other objects could otherwise be damaged.

! **NOTE** Risk of accident due to faulty sensors

The sensors may malfunction because of snow or due to objects that absorb ultrasonic waves.

- ▶ Make sure that the convenience doors are free from dirt, ice or slush.
- ▶ Be especially careful when opening the convenience doors if other ultrasonic sources are nearby.

! **NOTE** Risk of accidents if the detection performance of the sensors in the convenience doors is restricted

If the sensors are covered, the convenience doors cannot function reliably.

- ▶ Do not apply stickers, foils or other coatings to the outside of the convenience doors. The sensors may otherwise be blocked and obstacles may not be detected or only detected to a limited extent.

Exit warning when opening the doors from inside

The exit warning of Active Blind Spot Assist is used as an additional safeguard. If an obstacle is detected, the comfort function is deactivated and the moving door will be stopped.

- ▶ Manually open a door stopped in an intermediate position.

! **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.

The exit warning serves solely as an aid and is not a substitute for attentiveness of the vehicle occupants. The responsibility for opening the doors and exiting the vehicle remains with the vehicle occupants at all times.

- ④ Further information on Active Blind Spot Assist with exit warning (→ page 279).

Blockage detection when opening the doors

Blockage detection will stop a door obstructed by an obstacle during the automatic opening process. The automatic blockage detection function serves solely as an aid and is not a substitute for your attentiveness.

- ▶ Manually open a door stopped in an intermediate position.

! **NOTE** Damage to the convenience doors despite blockage detection

Blockage detection may not be able to stop the automatic opening process of the doors in

all cases. This can be the case in particular with light, soft objects.

- ▶ Therefore, make sure that there is sufficient clearance next to the vehicle.

Automatic backing-up function when closing the doors

The doors are equipped with automatic blockage detection with a backing-up function. If an obstacle stops a door during the automatic closing process, the door will automatically open again. The automatic backing-up 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 the reversing function

The reversing function will not react:

- to soft, light and thin objects, e.g. fingers
- at the end of the closing process

In these situations in particular, the reversing function cannot prevent someone being trapped.


- ▶ Make sure that no body parts are in the closing area.
- ▶ If someone is trapped, use one of the following options:
 - Driver's or front passenger door: press the  or  button on the SmartKey.
 - Driver's door: depress the brake pedal.
 - All doors: pull the inside or outside door handles.
 - All doors: push against or pull the door.
 - All doors: select the "Cancel" display on the Comfort menu in the multimedia system.

Setting comfort doors


Multimedia system:

- ▶  **▶▶ Settings ▶▶ Vehicle ▶▶ Comfort**
- ▶ Activate or deactivate **Comfort Doors**.

Operating comfort doors

- ▶ Select .
- ▶ Select **Open door control**.
The menu for operating the doors opens. The doors can be opened or closed by sliding the control element on the central display.
- ▶ Select **Cancel Process**.
The process is interrupted and the door remains in the position it has reached.
- ▶ Press and hold **Close All**.
All doors are closed simultaneously.
- ▶ **i** The comfort doors can also be opened and closed via Rear Seat Entertainment.
- ▶ **i** Further information on function of the comfort doors (→ page 89).

Setting the key function for the comfort doors

- ▶ Select .
- ▶ Select **Key assignment**.
Open **Convenience Opening for Windows, Right Front Door** or open **Left Front Door** are separately adjustable for operation by key.

Warning against obstacles detected within the door area

- ▶ Activate or deactivate the function.
The vehicle displays a graphic warning if obstacles are detected within the door area.

Power closing function

⚠ WARNING Risk of becoming trapped when the doors close automatically

Body parts or objects can become trapped, causing injuries.

- ▶ Ensure that no body parts or objects are in the closing area.

- ▶ Automatic closing of the doors can be canceled by pulling the outer or inner door handle.

If you push the door into the lock to the first detent position, the power closing function will automatically pull the door into the lock.

- ⓘ Automatic closing of the doors may be triggered if the vehicle is locked from the outside, or during pulling away.

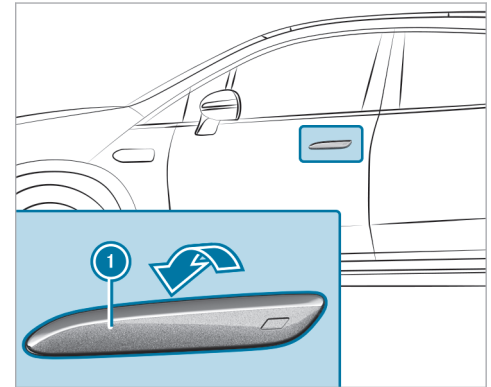
Locking/unlocking the vehicle with the emergency key

Unlocking a left-hand vehicle door with 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 tailgate will not be unlocked.
- ⓘ Information regarding starting the vehicle with the key in the storage compartment (emergency operation mode) (→ page 196).

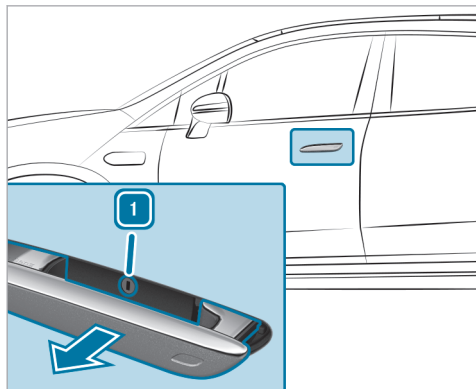
Information regarding starting the vehicle with the Digital Vehicle Key in the storage compartment (emergency operation mode) (→ page 195).

- ▶ Remove the emergency key (→ page 81).



If the door handle is retracted:

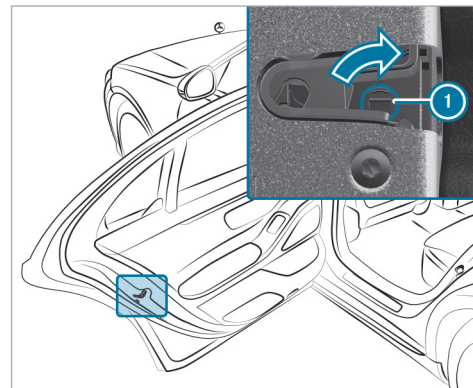
- ▶ Insert a flat, non-metallic object behind the retracted door handle ❶ from above and pry it slightly outward.
- ▶ Reach behind the door handle ❶ from below, pull it outward to the pressure point and hold it there.



If the door handle is extended:

- ▶ Pull the door handle ❶ outward to the pressure point and hold it there.
- ▶ Insert the emergency key into the lock cylinder.
- ▶ Turn the emergency key counter-clockwise to position ❶.
- ▶ Forcefully pull the door handle ❶ outward past the pressure point.
- ▶ Turn the emergency key back to its starting position.
- ▶ Remove the emergency key and release the door handle.

Locking the doors



- ▶ Insert a suitable object, e.g. the emergency key, into the opening ❶ on the door lock.
- ▶ **To lock the left-hand side of the vehicle:** turn the emergency key clockwise as far as it will go.

- ▶ **To lock the right-hand side of the vehicle:** Turn the emergency key counter-clockwise as far as it will go.

If the locked door is then closed, it can no longer be opened from the outside.

Cargo compartment

Opening the tailgate

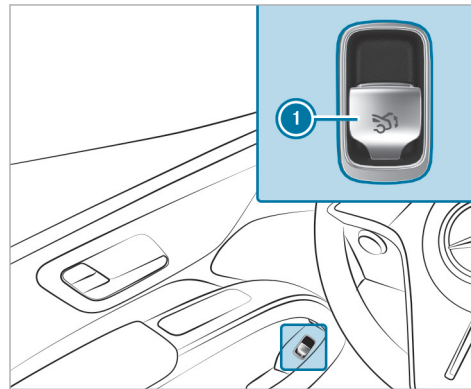
! **NOTE** Damage to the tailgate caused by obstacles above the vehicle

The tailgate swings rearwards and upwards when it is opened.

- ▶ Make sure that there is sufficient space behind and above the tailgate.

- ⓘ Limit the opening angle of the tailgate (→ page 102).
- ▶ If the tailgate is unlocked, press the top of the Mercedes star located on the tailgate.

- ▶ **Vehicles with HANDS-FREE ACCESS:** Make a kicking movement with your foot below the bumper (→ page 99).



- ▶ Pull remote operating switch ① until the tailgate opens.
- or
- ▶ Press and hold the button on the key.

- ▶ If the tailgate has stopped in an intermediate position, pull it upwards. Release it as soon as it begins to open.

If an obstacle obstructs the tailgate during the automatic opening process, blockage detection will stop the tailgate. The automatic blockage detection function is only an aid. It is not a substitute for you having to pay attention.

Closing the tailgate

! **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 tailgate: your vehicle is equipped with automatic key recognition.

Note that the tailgate will not be locked in the following situation:

- You have locked the vehicle and closed the tailgate 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 tailgate:** pull the tailgate downwards slightly. Release it as soon as it begins to close.

⚠ WARNING Risk of becoming trapped during automatic closing of the tailgate

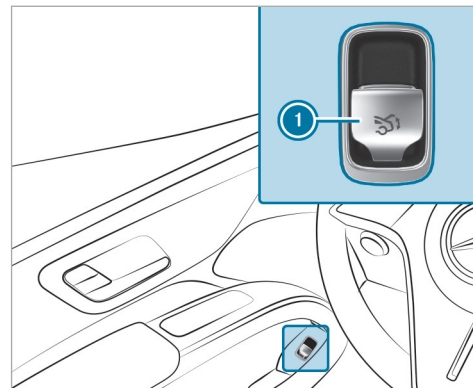
Parts of the body could become trapped. There may be people in the closing area.

- ▶ Make sure that nobody is in the vicinity of the closing area.

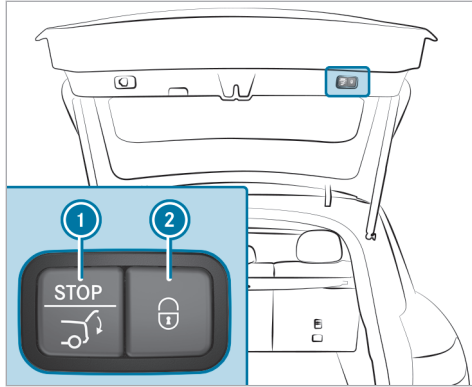
Use one of the following options to stop the closing process:

- Press the  button on the SmartKey.
- Press or pull the remote operating switch on the driver's door.
- Press the closing or locking button on the tailgate.
- Press the top of the Mercedes star on the tailgate.

Vehicles with HANDS-FREE ACCESS: it is also possible to stop the closing process by making a kicking motion below the rear bumper.



- ▶ Switch on the power supply or the vehicle.
- ▶ Push remote operating switch ① until the tailgate is fully closed.




- ▶ Press closing button ① on the tailgate.

Vehicles with KEYLESS-GO

- ▶ Press locking button ② on the tailgate. If a key is detected outside the vehicle, the tailgate will close and the vehicle will be locked.

i **Vehicles with Digital Vehicle Key:** this also applies to the Digital Vehicle Key if the func-

tion is activated and the Digital Vehicle Key is connected to the vehicle.

- ▶ Press and hold the  button on the key. The key must be in the vicinity of the vehicle.

Vehicles with HANDS-FREE ACCESS

- ▶ Make a kicking movement with your foot below the bumper (→ page 99).

Automatic reversing function for the tailgate

The tailgate is equipped with automatic blockage detection with a reversing function. If an obstacle obstructs the tailgate during the automatic closing process, it will automatically open again slightly. Automatic blockage detection with the reversing function is only 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 reversing function


The reversing function will not react:

- To soft, light and thin objects, e.g. fingers.
- Towards the end of the closing procedure.

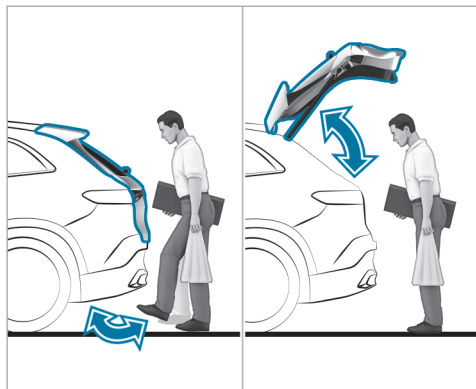
In these situations in particular, the reversing function cannot prevent someone being trapped.

- ▶ Make sure that no body parts are in the closing area.

If someone is trapped, either:

- Press the  button on the SmartKey.
- Press or pull the remote operating switch on the driver's door.
- Press the closing or locking button on the tailgate.
- Press the top of the Mercedes star on the tailgate.

HANDS-FREE ACCESS function



HANDS-FREE ACCESS allows you to open and close the tailgate, or even stop the opening and closing process at any point, by performing a kicking motion under the bumper. The transmission must be in position **P** for this function.

The kicking motion triggers the opening or closing process alternately.

- If you stop the tailgate opening process with a kicking motion, the tailgate is closed with the next kicking motion
- If you stop the tailgate closing process with a kicking motion, the tailgate is opened with the next kicking motion

In the following cases, the tailgate can be only closed with HANDS-FREE ACCESS:

- If the vehicle is switched on and the key's unlock function has been set so that only the driver's door is unlocked when activated (→ page 80).
- If the vehicle has been centrally locked from the inside (→ page 86).

Observe the notes when opening (→ page 97) and closing (→ page 97) the tailgate.

- ⓘ Two warning tones sound when the tailgate is opening or closing.

! **NOTE** Vehicle damage due to unintentional opening of the tailgate or a door

- When using an automatic car wash
- When using a high pressure cleaner

▶ Deactivate the function of the SmartKey in these situations.

or

▶ Make sure that the SmartKey is at a minimum distance of 10 ft (3 m) (power washer) or 20 ft (6 m) (automatic car wash) away from the vehicle.

Vehicles with Digital Vehicle Key:

! **NOTE** Vehicle damage due to unintentional opening of the tailgate or a door

- when using an automatic car wash
- when using a power washer

▶ In these situations, switch off the Digital Vehicle Key.

or

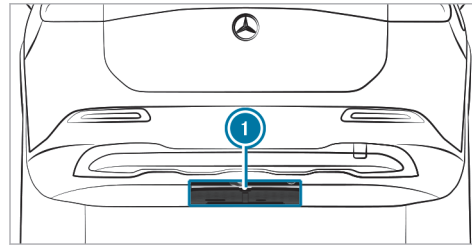
- ▶ Make sure that the Digital Vehicle Key is at least 10 ft (3 m) (power washer) or 20 ft (6 m) (car wash) away from the vehicle.

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:

- The key is behind the vehicle.
If the key is not recognized:
 - Take the key in your hand.
 - or
 - Ensure that the function of the key is activated (→ page 80).
- **Vehicles with Digital Vehicle Key:** The Digital Vehicle Key is behind the vehicle.
- Stand at least 12 in (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.
- **Vehicles with trailer hitch:** Perform the kicking motion to the left or right of the ball head.



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 tailgate can open or close unintentionally in the following situations:

- A person's arms or legs are moving in the sensor detection range, e.g. when polishing the vehicle or picking up objects.
- Objects are moved or placed behind the vehicle, e.g. 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.
- **Vehicles with trailer hitch:** Work is being carried out on the trailer hitch, trailers or rear bicycle racks.

Deactivate the function of the key (→ page 80) or do not carry the key about your person in such situations.

Limiting the opening angle of the tailgate

Activating the opening angle limiter

You can limit the opening angle of the tailgate in the top half of its opening range up to a point shortly before the end position.

- ▶ Stop the opening procedure of the tailgate at the desired position.
- ▶ Press and hold the closing button on the tailgate until you hear a short tone. The opening angle limiter will be activated. The tailgate will then stop in the stored position when opened.

Fully opening the tailgate after it has stopped automatically

- ▶ Press the top of the Mercedes star on the tailgate again.

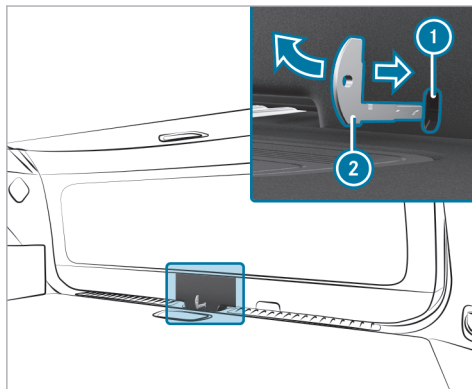
Deactivating the opening angle limiter

- ▶ Press and hold the closing button on the tailgate until two short tones sound.

Unlocking the tailgate with the emergency key

Requirements:

- The rear seat backrest has been folded forward.
- The cargo compartment cover has been removed.



- ▶ Remove the emergency key (→ page 81).

- ▶ Insert emergency key ② into opening ① in the trim and push it in the direction of the arrow. The tailgate will be unlocked.

Side windows

Opening and closing the side windows

⚠ 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.
- ▶ 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.

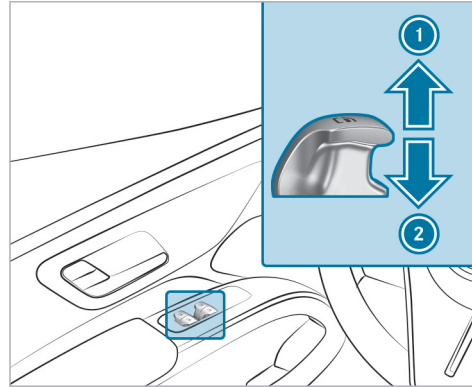
⚠ WARNING Risk of becoming trapped when children operate the side windows

Children could become trapped if they operate the side windows, particularly when unattended.

- ▶ Activate the child safety lock for the rear passenger compartment side windows.
- ▶ When leaving the vehicle, always take the SmartKey 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 Opening

The buttons on the driver's door take precedence.

▶ **To start automatic operation:** press the button beyond the pressure point 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 is 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 is only an aid and is not a substitute for your attentiveness.


▶ During the closing process, make sure that no body parts are in 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.


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 near the vehicle.
- ▶ Press and hold the  button on the key.
- The following functions are performed:
- The vehicle is unlocked.
 - The side windows are opened.
 - The panoramic sliding sunroof is opened.
 - The seat ventilation of the driver's seat is switched on.

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 the button  again and hold pressed.

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 near the vehicle.

▶ Press and hold the  button on the key.

The following functions will be performed:

- The vehicle will be locked.
- The side windows will be closed.
- The panoramic sliding sunroof will be closed.

▶ **To interrupt convenience closing:** release the  button.

▶ **To continue convenience closing:** press and hold the  button again.

ⓘ Convenience closing also functions with KEY-LESS-GO (→ page 87).

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.

The side windows cannot be opened or closed using the convenience opening feature.

Possible causes:

- The key battery is weak or discharged.
- ▶ Check the battery using the indicator lamp (→ page 79).

- ▶ Replace the key battery, if necessary (→ page 81).

Sliding sunroof

Opening and closing the sliding sunroof

- ⓘ The term "sliding sunroof" refers to the panorama roof with power tilt/sliding panel.

⚠ 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 the opening and closing process, make sure that no body parts are in the sweep of the sliding sunroof.
- ▶ If someone is trapped, release the control panel immediately.

or

- ▶ Touch the control panel during automatic operation. The opening/closing process will be stopped.

⚠ WARNING Risk of becoming trapped 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.

- ▶ During the opening or closing process, make sure that no body parts are in the roller sunblind's range of movement.
- ▶ If someone is trapped, release the control panel immediately.

or

- ▶ Touch the control panel during automatic operation. The opening/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 protruding objects

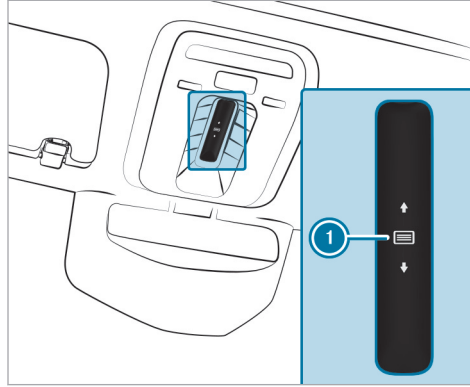
Objects that protrude from the sliding sunroof may damage the seals.

- ▶ Do not allow anything to protrude from the sliding sunroof.

! **NOTE** Damage to panorama roof with power tilt/sliding panel caused by roof luggage rack

If the panorama roof with power tilt/sliding panel is opened when a roof luggage rack is installed, the panorama roof with power tilt/sliding panel may be damaged by the roof luggage rack.

- ▶ Do not open the panorama roof with power tilt/sliding panel if a roof luggage rack is installed.



The sliding sunroof and the roller sunblind are operated using control panel ①.

The panorama roof with power tilt/sliding panel can be operated only when the roller sunblind is open.

- ▶ **To open:** swipe backwards across control panel ① and hold it.

- ▶ **To close:** swipe forwards across control panel ① and hold it.
- ▶ **To raise or lower:** press control panel ① briefly.
- ▶ **To start automatic operation:** swipe forwards or backwards across control panel ①.
- ▶ **To cancel automatic operation:** press control panel ① again.
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 is only an aid and is not a substitute for your attentiveness.

- ▶ During the closing process, make sure that no body parts are in the closing area.

⚠ WARNING Risk of becoming trapped despite reversing function

The reversing function will 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.
- ▶ If someone is trapped, release the control panel immediately.

or

- ▶ Touch the control panel during automatic closing.
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 is only an aid and is not a substitute for your attentiveness.

- ▶ When closing the roller sunblind, make sure that no body parts 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.
- ▶ If someone is trapped, release the control panel immediately.

or

- ▶ Touch the control panel during automatic closing.
The closing process will be stopped.

Automatic functions of the sliding sunroof

- ① The term "sliding sunroof" refers to the panorama roof with power tilt/sliding panel.

Rain closing function when driving

Vehicles with a panorama roof with power tilt/sliding panel: 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 roof with power tilt/sliding panel: 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.

⚠ 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 someone becomes trapped, touch the control panel.

Rectifying problems with the sliding sunroof

⚠ WARNING Risk of becoming trapped or fatal injuries when the sliding sunroof is closed again

If you close the sliding sunroof again immediately after it has been blocked or reset, the sliding sunroof will close with increased or maximum force.

There is a risk of becoming trapped or even of fatal injuries!

- ▶ Make sure that no parts of the body are in the closing area.
- ▶ If someone is trapped, release the control panel immediately.

or

- ▶ Touch the control panel during automatic closing.
The closing process will be stopped.

The sliding sunroof cannot be closed and you cannot see the cause.

- ① The term "sliding sunroof" refers to the panorama roof with power tilt/sliding panel.

If the sliding sunroof is obstructed during closing and reopens again slightly:

- ▶ Immediately after automatic reversing, swipe forwards across the control panel (→ page 106) and hold it 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.

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

- ▶ Swipe forwards across the control panel (→ page 106) and hold it repeatedly until the sliding sunroof is completely closed.
- ▶ Swipe across the control panel and hold it for another second.
- ▶ Swipe across and hold the control panel until the roller sunblind is fully closed.
- ▶ Swipe across the control panel and hold it for another second.
- ▶ Use automatic operation to fully open and then close the sliding sunroof.

Anti-theft protection

Function of the immobilizer

The immobilizer prevents your vehicle from being started without the correct key.

This also applies to the Digital Vehicle Key.

The immobilizer is automatically activated when the vehicle is switched off, and deactivated when the vehicle is switched on.

When leaving the vehicle, always take the key with you and lock the vehicle. Anyone can start the vehicle if a valid key has been left inside the vehicle.

- ❗ In the event that the drive system cannot be started (although the vehicle's starter battery is charged), the immobilizer may be defective. Contact an authorized Mercedes-Benz Center or call 1-800-FOR-MERCEdes (in the USA) or 1-800-387-0100 (in Canada).

ATA (anti-theft alarm system)

■ Function of the ATA system

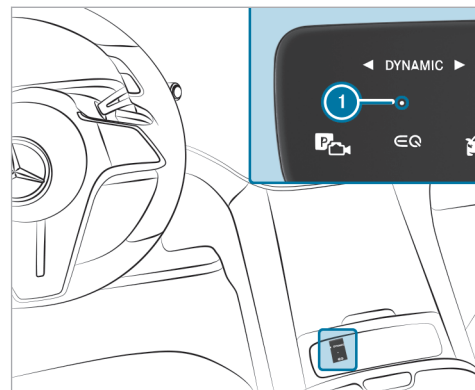
If the ATA system is armed, a visual and audible alarm will be triggered in the following situations:

- When a door is opened
- When the tailgate is opened
- When the interior protection is triggered (→ page 112)
- When the tow-away alarm is triggered (→ page 111)

- ❗ **Vehicles with Digital Vehicle Key:** The ATA works with the Digital Vehicle Key in the same way as with the conventional vehicle key.

The ATA system will be armed automatically after approximately ten seconds in the following situations:

- After you lock the vehicle with the key
- After you lock the vehicle using KEYLESS-GO
- After you lock the vehicle with the NFC function (**vehicles with Digital Vehicle Key:**)



Example: with MBUX hyperscreen




Indicator lamp ❶ will flash when the ATA system is armed.

The ATA system will be disarmed automatically in the following situations:

- After you unlock the vehicle with the key
- After you unlock the vehicle using KEYLESS-GO

- After you unlock the vehicle with the NFC function (**vehicles with Digital Vehicle Key**)
- After you press the Start/Stop button with the key in the marked space (→ page 196)

Deactivating the ATA

▶ Press the ,  or  button on the key.

or


▶ Press the Start/Stop button with the key in the storage compartment (→ page 196)

▶ **Vehicles with Digital Vehicle Key:** Press the Start/Stop button with the Digital Vehicle Key in the storage compartment (→ page 195).

Deactivating the alarm using KEYLESS-GO:

- ▶ With the key outside the vehicle, touch the inner surface of the door handle.
The distance between key and vehicle here should not be greater than 3 ft (1 m).
This also applies to the Digital Vehicle Key.

Function of tow-away alarm

 This function may not be available in all countries.

A visual and audible alarm will be triggered if an alteration to your vehicle's angle of inclination is detected while the tow-away alarm is armed.



The tow-away alarm will be armed automatically after about 60 seconds:

- After you lock the vehicle with the key
- After you lock the vehicle using KEYLESS-GO
This also applies to the Digital Vehicle Key.
- After locking with the NFC function (**vehicles with Digital Vehicle Key:**)

The tow-away alarm will be armed only when the following components are closed:

- Doors
- Tailgate

The tow-away alarm will automatically be deactivated:

- After you press the  or  button on the key
- After you press the start/stop button with the key in the marked space (→ page 196)
- After you press the start/stop button with the Digital Vehicle Key in the marked space (**vehicles with Digital Vehicle Key**) (→ page 195)
- After you unlock the vehicle using KEYLESS-GO
This also applies to the Digital Vehicle Key.
- After unlocking with the NFC function (**vehicles with Digital Vehicle Key**)
- When using HANDS-FREE ACCESS

Information on collision detection on a parked vehicle (→ page 237).

Arming/deactivating tow-away alarm

Multimedia system:


→  » Settings » Vehicle
» Opening/closing » Vehicle Protection

▶ Arm or deactivate **Tow-away Protection**.

Tow-away alarm is armed again in the following cases:

- The vehicle is unlocked again.
- A door is opened.
- The vehicle is locked again.

Function of interior protection

 This function may not be available in all countries.

When interior protection is armed, a visual and audible alarm will be triggered if movement is detected in the vehicle interior.

Interior protection will be armed automatically after approximately ten seconds:



- After locking the vehicle with the key

- After locking the vehicle using KEYLESS-GO
This also applies to the Digital Vehicle Key.
- After locking with the NFC function (**vehicles with Digital Vehicle Key:**)

Interior protection will be armed only when the following components are closed:

- Doors
- Tailgate

Interior protection will automatically be deactivated:

- After the  or  button on the key is pressed
- After the start/stop button is pressed with the key in the marked space (→ page 196)
- After the start/stop button is pressed with the Digital Vehicle Key in the marked space (**vehicles with Digital Vehicle Key**) (→ page 195)
- After you unlock the vehicle using KEYLESS-GO

This also applies to the Digital Vehicle Key.

- After unlocking with the NFC function (**vehicles with Digital Vehicle Key**)
- 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 sliding sunroof is open

Arming/disarming interior protection

Multimedia system:

→  » Settings » Vehicle
» Opening/closing » Vehicle Protection

▶ Activate or deactivate **Interior Protection**.

Interior protection will be armed again in the following cases:

- The vehicle is unlocked again.
- A door is opened.
- The vehicle is locked again.

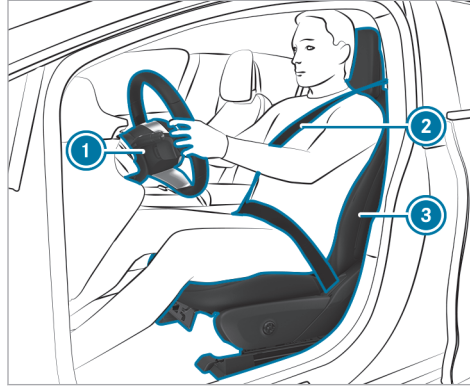
Notes on the correct driver's seat position

⚠ 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 air bag 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 center 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 displays on the driver display clearly
- You have a good overview of the traffic conditions
- Observe the notes on correctly fastening the seat belt (→ page 47).

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 stabilize the seating position or to assist in getting in and out of the seat.

Seats

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 SmartKey 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 if the seats are adjusted

When adjusting a seat, you may trap yourself or a vehicle occupant, e.g. on the seat guide rail.

- ▶ Make sure that no part of the body is within the seat's range of motion when adjusting a seat.

Observe the safety notes on "Air bags" 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 installed 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 installed.
- ▶ Before driving off, make sure for every vehicle occupant that the center of the head restraint supports the back of the head at about eye level.

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 an incorrect seat position

The seat belt does not offer the intended level of protection if you have not moved the seat backrest to an almost vertical position.

In particular, you could slip beneath the seat-belt and become injured.

- ▶ Adjust the seat properly before beginning your journey.
- ▶ Always ensure that the seat backrest is in an almost vertical position and that the shoulder belt is routed across the center of your shoulder.

▲ 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 air bag shutoff or damage the system.

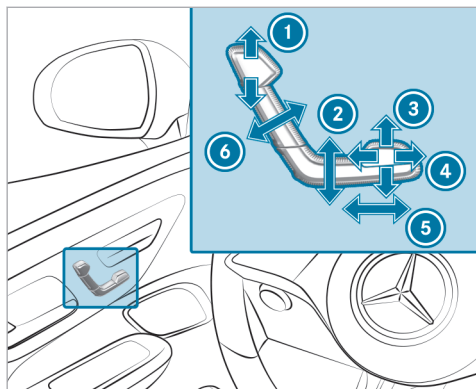
- ▶ Do not stow any objects under the front passenger seat.
- ▶ When the front passenger seat is occupied, ensure that no objects have become trapped beneath the front passenger seat.

! NOTE Damage to the seats when adjusting

The seats may be damaged by objects when adjusting the seats.

- ▶ When adjusting the seats, make sure that there are no objects in the footwell, under or behind the seats.

The switches for adjusting the seats do not move. You will therefore receive no direct feedback on the switch while pressing it. Feedback is provided only by the movement of the seat.

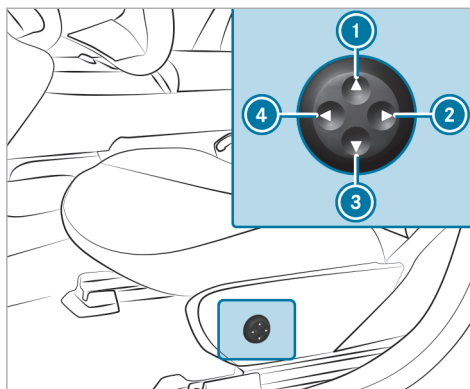


- ① Head restraint height
- ② Seat height
- ③ Seat cushion inclination
- ④ Seat cushion length
- ⑤ Seat fore-and-aft position
- ⑥ Seat backrest inclination

▶ Save the settings with the memory function (→ page 133).

- ① The head restraint height will be adjusted automatically when you adjust the seat height or the seat fore-and-aft position.

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.

Adjusting the rear seats electrically

⚠ WARNING Risk of injury or death due to an incorrect seat position

The seat belt does not offer the intended level of protection if you have not moved the seat backrest to an almost vertical position.

In particular, you could slip beneath the seat-belt and become injured.

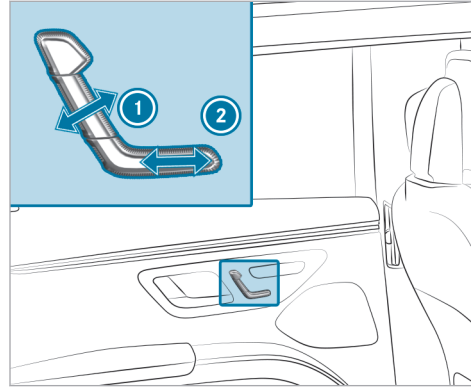
- ▶ Adjust the seat properly before beginning your journey.
- ▶ Always ensure that the seat backrest is in an almost vertical position and that the shoulder belt is routed across the center of your shoulder.

! **NOTE** Damage to the head restraints due to contact with the partitioning net

With the partitioning net installed, the rear seat head restraints may come into contact with the partitioning net when the rear seat backrests are reclined excessively. The head restraints could be damaged as a result.

- ▶ Avoid contact between the rear seat head restraints and the partitioning net.

The switches for adjusting the seats do not move. You will therefore receive no direct feedback on the switch while pressing it. Feedback is provided only by the movement of the seat.



- ① Seat backrest inclination
- ② Seat fore-and-aft adjustment
- ▶ Make the appropriate adjustments.

Folding the rear seats forwards electrically (vehicles with a third row of seats)

! **WARNING** Risk of becoming trapped when folding seats forwards

When you fold a seat forwards, you could trap yourself or another vehicle occupant.

- ▶ Make sure that no part of your body is within the seat's range of movement when folding a seat forward.

! **WARNING** Risk of an accident because the seat backrest is not engaged

The seat backrest may fold forwards.

There is a risk of the following, in particular:

- The vehicle occupant may be pressed against the seat belt. The seat belt cannot protect as intended and could cause additional injury.

- A child restraint system will no longer be properly supported or positioned and will no longer fulfill its function as intended.
- The seat backrest will not be able restrain objects or goods in the cargo compartment.

Always ensure that the seat backrest is engaged, especially:

- Before persons travel in the vehicle while sitting on a seat with the easy entry and exit feature
- After the seat backrest has been adjusted
- After the easy entry and exit feature has been used
- After the cargo compartment enlargement has been folded forwards

⚠ WARNING Risk of injury due to seat backrests folded forwards

If the seat backrest of the rear seat is folded forwards, persons in the third row of seats

may hit parts of the seat mechanism, especially in the event of an accident, braking maneuver or abrupt change of direction.

- ▶ If there is a person in the third row of seats, the rear seat in front of them must be folded back to the driving position before the journey begins.
- ▶ Persons in the third row of seats should not rest their legs on a seat backrest that has been folded forwards.

⚠ WARNING Risk of injury due to open cup holder in a folded up rear armrest

If the cup holder in the folded-up rear armrest is open, there is an increased risk of injury for passengers in the third row of seats, especially during braking or in the event of an accident.

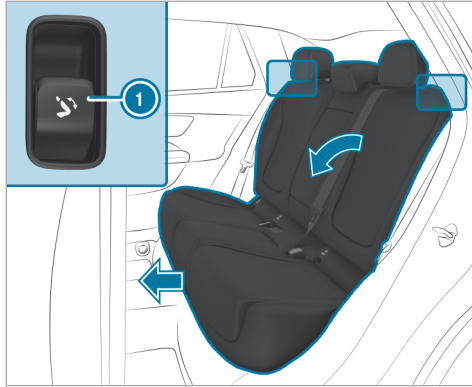
- ▶ Always close the cup holder before folding up the rear armrest.

If you no longer require the seat backrest to be folded down for loading or for getting in and out, fold it back into place.

To get in and out, you can fold the seats on the second row of seats forwards in vehicles with a third row of seats. In this case, the center seat folds forwards and backwards together with the left-hand seat in vehicles with a center seat backrest.

Requirements

- The area into which the seat is folded is clear.
- The seat has been folded up (→ page 139).
- The center armrest is folded up.



- ▶ **To fold the seat into the front position:** move the head restraints to the lower position (→ page 121).
- ▶ Pull button ① briefly. The seat backrest will fold into the front position. The seat fore/aft adjustment will move forwards.

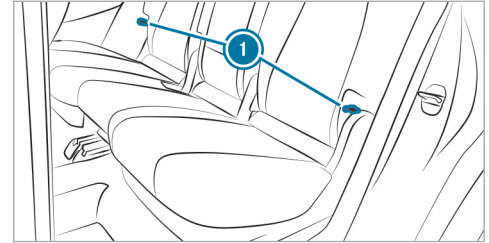
- ▶ **To fold back the seat:** briefly press button ①. The seat will fold back and stop.
- ▶ To interrupt the folding process, press button ① or operate the seat adjustment switch on the door operating unit.
- ▶ Press the button ① again and keep it pressed. The seat will move to the last position set.
- ▶ Release button ① when the end position is reached.

If a seat on the second row of seats is not in the end position, this will be shown on the driver display.

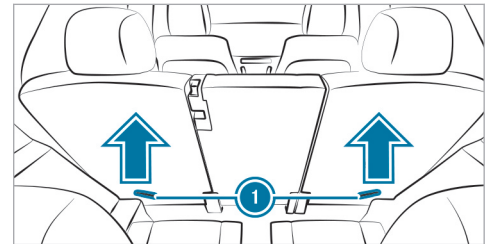
- ① To increase the size of the cargo compartment, you can move the seat backrests into the trunk floor position (→ page 137).

Folding the rear seats forwards mechanically (emergency release)

The release loops are located on the outer sides and rear sides of the seats on the second row of seats.



Side release loops



Release loops on the rear sides

- ▶ Pull one of release loops ①.

- ▶ Fold the seat backrest forwards.
- ▶ Before starting the journey, make sure that all seat backrests are locked in place.

Head restraints

Adjusting the head restraints on the front seats

⚠ 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.

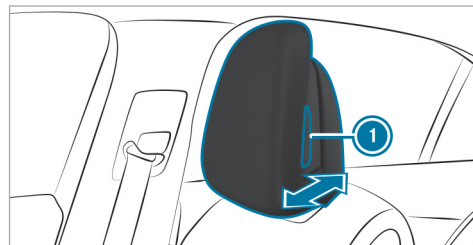
⚠ WARNING Risk of injury due to incorrectly adjusted head restraints

If head restraints 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 sudden braking.

- ▶ Before driving off, make sure for every vehicle occupant that the center of the head restraint supports the back of the head at about eye level.

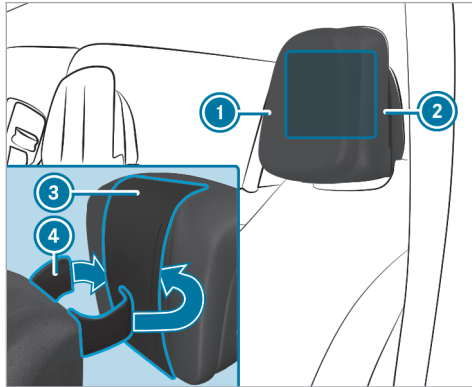
Adjust the head restraint fore-and-aft position so that it is as close as possible to the back of your head.

Moving forward or back



- ▶ Take hold of the head restraint on both sides and press release knob ①.
- ▶ Pull the headrest forwards or push it backwards.
- ▶ Let go of release knob ①.
- ▶ **To raise or lower:** adjust the head restraint using the buttons on the door operating unit (→ page 114).

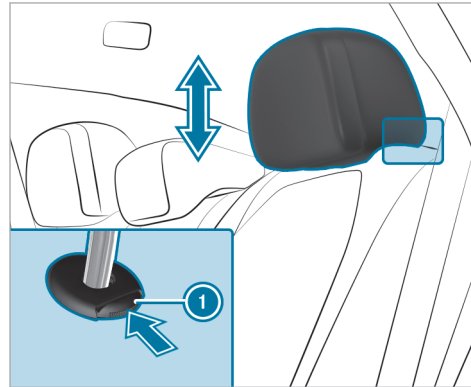
■ Attaching and removing the additional cushion of the front-seat luxury head restraint



- ▶ **To attach the additional cushion:** open Velcro strip ④ on the rear of additional cushion ①.
- ▶ Guide Velcro strip ④ between head restraint ② and strip ③.
- ▶ Close Velcro strip ④.

- ▶ **To change the position of the additional cushion:** move additional cushion ① up or down.
- ▶ **To remove the additional cushion:** open Velcro strip ④ of additional cushion ①.
- ▶ Remove additional cushion ①.

■ Adjusting the head restraints of the rear seats manually



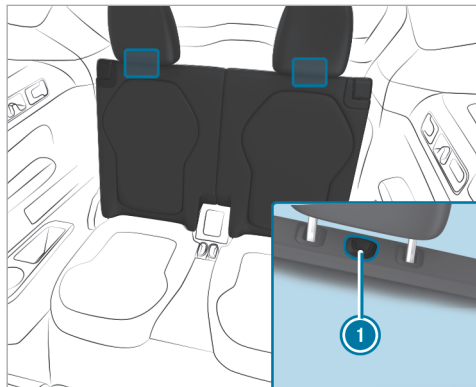
- ▶ **To raise:** push release knob ① in the direction of the arrow and pull the head restraint up until it engages.
- ▶ **To lower:** press release knob ① in the direction of the arrow and push the head restraint down until it engages.
- ▶ **If the center seat of the second row of seats is occupied:** pull the center head restraint up and engage it before starting the journey. In vehicles with premium seats, move the center head restraint to the position for use before driving off. (→ page 123).

Vehicles with a third row of seats

The head restraints on the third row of seats have a usage position and a non-usage position. The usage position is the upright position in which the head restraint is locked. The non-usage position is the bottom, folded-down position of the head restraint. If the seats on the third row of seats are being used, the head restraint must be in the upper, engaged usage position.

When choosing a seat, bear in mind the limited space available. With the seat in the correct,

upright position, your head should not touch the headliner.



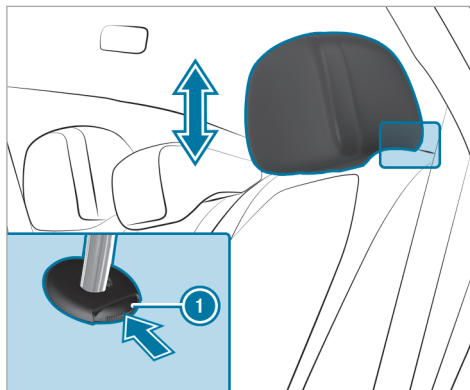
- ▶ **If the seat is not occupied:** press button ①. The head restraint will fold into the lower non-usage position.
- ▶ **If the seat is occupied:** fold the head restraints all the way up into the usage position and lock them in place.

Installing/removing the rear seat head restraints

Removing

Depending on the vehicle equipment, you can remove the head restraints in the rear passenger compartment.

- ▶ Release the rear seat backrest and fold it forwards slightly (→ page 137).



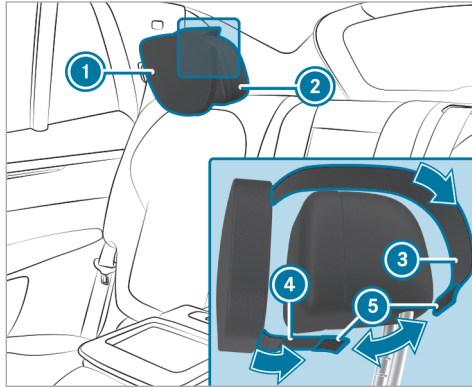
- ▶ Push release knob ① in the direction of the arrow and pull out the head restraint.

Installing

- ▶ 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.

Attaching and removing the additional cushion of the head restraint in the rear passenger compartment

Attaching the additional cushion



- ▶ Guide long strap (3) of additional cushion (1) over head restraint (2) towards the rear of the vehicle.

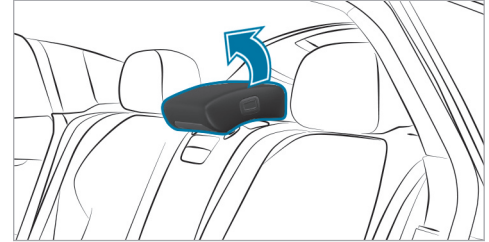
- ▶ Guide short strap (4) of additional cushion (1) under head restraint (2).
- ▶ Bring both straps (3) and (4) together on the underside of the head restraint and close Velcro fastening (5).

Removing the additional cushion

- ▶ Open velcro fastening (5).
- ▶ Remove additional cushion (1).

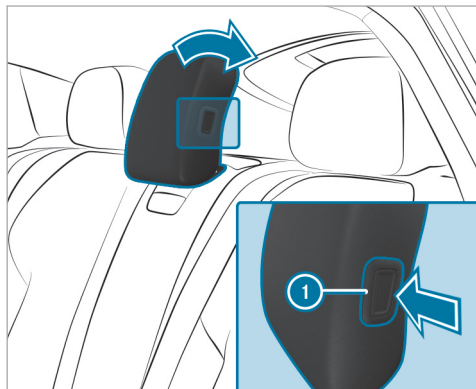
Folding the center head restraint into position and folding it down manually (premium seats)

The center head restraint has a usage position and a non-usage position. The usage position is the upright position in which the head restraint is locked; the non-usage position is the position in which the head restraint is folded downwards. When the center seat is used, the head restraint must be in the upright, locked usage position.



- ▶ **To fold into position:** pull the head restraint upwards until it engages.

Folding down



- ▶ Press button ①.
- ▶ Fold down the head restraint completely.

Configuring the seat settings

Multimedia system:

→ [Home] ▶▶ Comfort ▶▶ Seat

Adjusting the air cushions

- ▶ On the corresponding menu, adjust the air cushions for **Lumbar** or **Side Bolsters**.

Setting the seat heating balance

- ▶ Select **Heating Settings**.
- ▶ Select **Seat Heating Balance**.
- ▶ Adjust the heat distribution for the desired seat.

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) Pressing 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:

→ [Home] ▶▶ Comfort ▶▶ Seat
▶▶ Automatic Seat Positioning

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 this 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.
- ⓘ You can also configure these settings via the Mercedes me user account for your user profile. By synchronizing the profiles in the vehicle and the Mercedes me connect profiles, you can carry over these settings for your vehicle.
- ⓘ 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.

Overview of massage programs




- **Classic Massage** Relaxing back massage program.
- **Mobilizing Massage** Mobilizing Massage program with upward-moving massage waves. Can promote slower, deeper respiration. This can improve the supply of oxygen to cells and the brain.
- **Activating Massage** Invigorating massage program with upward-moving massage waves.
- **Hot Relaxing Back:** Based on hot stone massage, the program combines heat and massage. It starts by massaging the back. In addition, you will start to notice warm pressure points, beginning in the pelvic area.
- **Hot Relaxing Shoulders** Combination of heat and massage. It starts by massaging the shoulders. In addition, you will start to notice warm pressure points, beginning in the pelvic area.
- **Wave Massage** Regenerating massage program via soothing waves across the back and in the seat cushion.
- **Deep Waves:** Wave-like movements in the cushion can promote blood flow and metabolic processes in the lower back and legs.
- **Deep Workout:** Connect the **Workout, Backrest** to the **Workout, Cushion**. The vibrations in the cushion intensify the effectiveness of tensing and releasing muscles when you tense against the pressure point. This supports metabolic processes and blood flow in the buttocks and legs.
- **Workout, Backrest** and **Workout, Cushion**
These programs require your cooperation. Alternating between tensing and releasing helps to improve blood flow to your muscles. Press against a pressure point as soon as you feel it to activate back, abdominal and leg muscles.

Selecting the massage program for the front seats

Multimedia system:

▶  ▶ **Comfort**


▶ Select **Massage.**

- ▶ Select a massage program (→ page 125).
 - ▶ Start the program for the desired seat .
 - ▶ **To set the massage intensity:** switch **Intensive** on or off .
 - ▶ **To stop the massage:** select .
-  The availability of this function is dependent on the vehicle's equipment.


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 heating is switched on

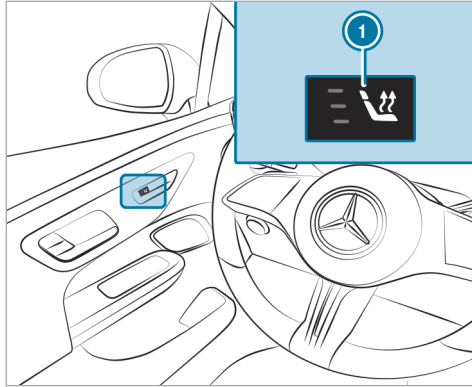
When the seat heating is switched on, overheating may occur due to objects or docu-

ments 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 heating is switched on.

Requirements

- The power supply is switched on.



Seat heating in the door operating unit in the cockpit (example)

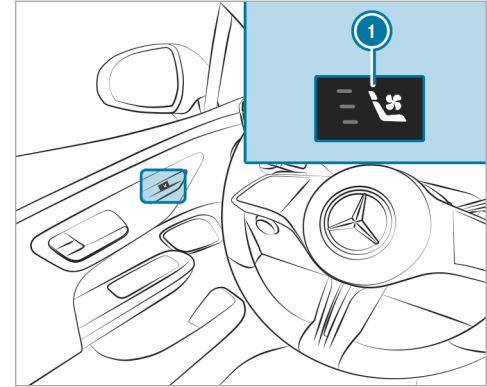
- ▶ Press button ① for the respective seat repeatedly until the desired heating level is reached. Depending on the heating level, up to three indicator lamps will light up. If all indicator lamps are off, the seat heating is switched off.

- ① The seat heating will automatically switch down from the three heating levels after around 8, 10 and 20 minutes until the seat heating is switched off.
- ① If you switch the power supply off and on again within 20 minutes, the previous setting of the seat heating for the driver's seat will remain active.

Switching the seat ventilation on/off

Requirements

- The power supply is switched on.



Seat ventilation in the door operating unit in the cockpit (example)

- ▶ Press button ① for the respective seat repeatedly until the desired blower setting is 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.

- ❶ If you switch the power supply off and on again within 20 minutes, the previous seat ventilation setting for the driver's seat will remain active.

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:

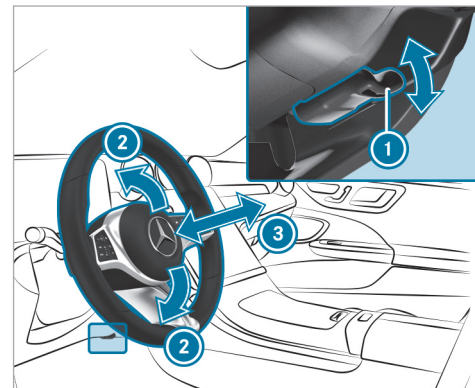
- If you adjust the driver's seat, the head restraint, the steering wheel or the mirror while the vehicle is in motion
- If you fasten your seat belt while the vehicle is in motion
- ▶ Before starting the vehicle: in particular, adjust the driver's seat, head restraint, steering wheel and mirror, and 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 ❶ down as far as it will go.
- ▶ Adjust height ❷ and distance ❸ to the steering wheel.

Locking

- ▶ Fold release lever ❶ up as far as it will go.

- ▶ Check and make sure that the steering column is locked by moving the steering wheel.

Adjusting the steering wheel electrically

- ⚠ **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:

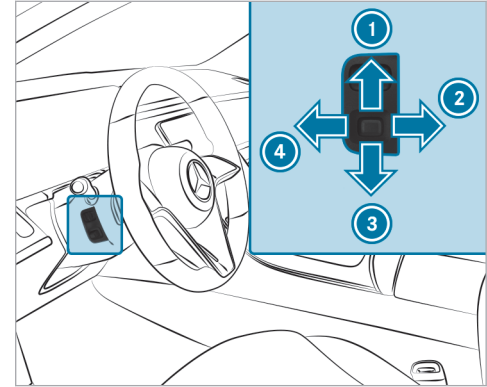
- If you adjust the driver's seat, the head restraint, the steering wheel or the mirror while the vehicle is in motion
- If you fasten your seat belt while the vehicle is in motion
- ▶ Before starting the vehicle: in particular, adjust the driver's seat, head restraint, steering wheel and mirror, and 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.

This also applies to the Digital Vehicle Key. The steering wheel can be adjusted when the power supply is disconnected.



- ① To move up
- ② To move back
- ③ To move down
- ④ To move forward

- ▶ Save the settings with the memory function (→ page 133).

Decoupling the steering wheel heater from the seat heating

Requirements:

- The power supply or the vehicle has been switched on.
- The steering wheel heater and the seat heating are linked.

Multimedia system:

→  >> Comfort >> Seat
>> Heating Settings

The function is active by default and the steering wheel heater is automatically activated and deactivated when the seat heating is switched on and off.

- ▶ Tap on **Additional Steering Wheel Heating**.
The steering wheel heater will be decoupled from the seat heating.

- ⓘ The steering wheel heater can also be deactivated via the MBUX voice assistant.

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 when adjusting the easy entry and exit feature

You and other vehicle occupants, particularly children, may become trapped.

- ▶ Make sure that no one has any part of their body within the range of movement of the steering wheel and driver's seat.

If there is a risk of becoming trapped by the steering wheel:

- ▶ Move the steering wheel adjustment lever.
The adjustment process is stopped.

If there is a risk of becoming trapped by the driver's seat:

- ▶ Press the switch for seat adjustment.
The adjustment process is stopped.
- ▶ Never leave children unattended in the vehicle.
- ▶ When leaving the vehicle, always take the key with you and lock the vehicle.

Vehicles with memory function: 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.

In order to use the easy entry and exit feature, the automatic seat adjustment function must have been switched on (→ page 124).

When the easy entry and exit feature is active, the steering wheel and driver's seat will move as follows:

- The steering wheel will move upwards.
- The driver's seat will move forward or backward to a position suitable for getting in or out of the vehicle.

This will occur in the following situations:

- 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 steering wheel will then move upwards only if it is not already as high as it will go.

The driver's seat will move forwards or backwards only if it is not already in the ideal position for getting in or out of the vehicle.

The steering wheel and the driver's seat will move back to the last driving position in the following cases:

- You switch the power supply or 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:

- If you switch off the vehicle.
- **Vehicles with memory function:** you call up the seat settings via the memory function.

Vehicles with memory function: press one of the memory function position switches to stop the adjustment process.

Setting the easy entry and exit feature

Requirements:

- The automatic seat adjustment has been activated (→ page 124).
- 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 & 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 driver's seat and steering wheel to move into the correct position automatically (→ page 357).

Memory function

Function of 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 adjusting process of the memory function, ensure that no body

parts are in the area of movement of the seat or the steering wheel.

- ▶ If someone becomes trapped, press a preset position button or seat adjustment switch immediately. The adjustment process is stopped.

⚠ 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.

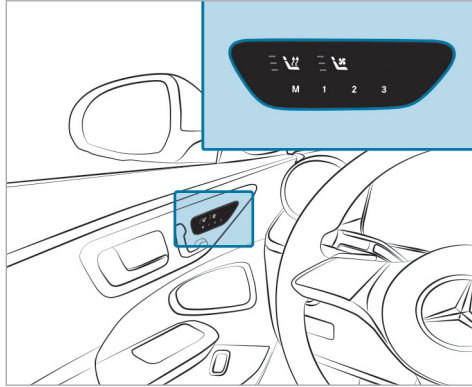
Seat adjustments for up to three people can be stored and called up using the memory function.

You can save the following settings for the front seat:

- Seat, backrest, head restraint position and contour of the seat backrest in the lumbar region
- Seat heating: distribution of the heated sections of the seat cushion and seat backrest
- Driver's side: steering wheel position and position of the outside mirrors on the driver's and front passenger sides
- Head-up display

Operating the memory function

Storing



- ▶ Set the front seat, the steering wheel, the head-up display and the outside mirror to the desired position.
- ▶ Press the **[M]** button and then release it.

- ▶ Press one of the preset position buttons **[1]**, **[2]** or **[3]** within three seconds. An acoustic signal sounds. The settings are stored.
- ▶ **To call up:** press the preset position button **[1]**, **[2]** or **[3]**. The seat will be moved to the stored position. After releasing the button, the front seat, outside mirror, head-up display and steering column will continue to move into the stored position automatically.

Stowage areas

Notes on loading the vehicle

Objects in the deployment area of an air bag may prevent the air bag from functioning correctly. Observe the notes on air bags (→ page 62).

- ⚠ 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 storage 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 abrupt changes in direction.

- ▶ Always store objects such that they cannot be thrown around in such situations.
- ▶ Always make sure that objects do not protrude from storage spaces, parcel nets or storage nets.
- ▶ Close the lockable storage spaces before starting a journey.
- ▶ Stow and secure objects that are heavy, hard, pointed, sharp-edged, fragile or too large in the cargo compartment.

⚠ 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 jeopardizes 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 install 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 air bag

shut-off: objects trapped under the front passenger seat may interfere with the function of automatic front passenger air bag shutoff or damage the system. Therefore please observe the notes on the function of automatic front passenger air bag shutoff (→ page 52).

⚠ WARNING - Risk of accident or injury when using the cup holder while the vehicle is moving

The cup holder cannot secure containers while the vehicle is moving.

If you use a cup holder while the vehicle is moving, the container may be flung around and liquids may be spilled. The vehicle occu-

pants 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.
- ▶ Close the container, particularly if the liquid is hot.

! 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.

! **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.

! **WARNING** Risk of injury due to an open cargo compartment floor

If you drive with the cargo compartment floor open, objects could be flung around and hit vehicle occupants as a result. There is a risk of injury, particularly in the event of sudden braking or a sudden change in direction.

- ▶ Always close the cargo compartment floor before a journey.

! **NOTE** Damage to the cargo floor caused by an unevenly distributed load or an abrupt application of load.

The cargo floor may be damaged by an unevenly distributed load or an abrupt application of load.

- ▶ Distribute the load evenly.
- ▶ Drive carefully when the vehicle is laden. Avoid abrupt starts, braking and steering as well as rapid cornering.

i Leather is a natural product. It exhibits natural surface characteristics, such as differences in structure, marks caused by growth and injury or subtle color differences. These surface characteristics are particular to leather, and are not material defects. Leather is also subject to a natural aging 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 gross vehicle weight rating or the gross axle weight rating for the vehicle. The values are specified on the vehicle identification plate on the vehicle's B-pillar.
- 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.

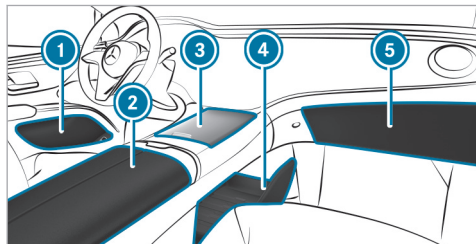
Notes on carrying a roof load:

- 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 abrupt starts, braking and steering maneuvers as well as 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 207).

Stowage spaces in the vehicle interior

Overview of the front storage compartments



- ① Storage spaces in the doors
- ② Storage and telephone compartment beneath the armrest with multimedia and USB ports as well as stowage space, e.g. for an MP3 player

- ③ Storage compartment in the front center console, with cup holders, USB ports and charging module for wireless charging of mobile phones depending on the vehicle version
- ④ Stowage tray below the central display of the multimedia system with USB ports
- ⑤ Glove box
- i The rubber mat in the storage compartment in front center console ③ can be removed for cleaning with clean, lukewarm water. Observe the notes on caring for the interior (→ page 411).
- i Use the rubber strap to securely store objects in the stowage tray under the central display.

Opening and closing the storage compartment in the front center console

⚠ WARNING Risk of injury due to objects being stowed incorrectly

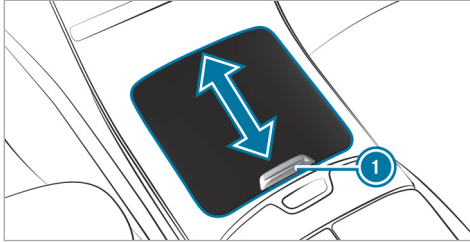
If objects in the vehicle interior are stowed incorrectly, they can slide or be thrown around and hit vehicle occupants. In addition, cup

holders, open storage 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.

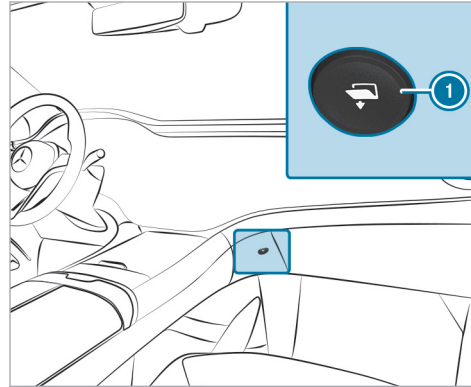
- ▶ Always stow objects in such a way that they cannot be thrown around in such situations.
- ▶ Always make sure that objects do not protrude from storage spaces, parcel nets or storage nets.
- ▶ Close the lockable storage spaces before starting a journey.
- ▶ Always stow and secure heavy, hard, pointed, sharp-edged, fragile or bulky objects in the trunk.

Observe the notes on loading the vehicle.



- ▶ **To open:** slide the cover of the storage compartment in the front center console all the way forwards in the direction of the arrow using handle ①.
- ▶ **To close:** briefly push handle ① of the open cover of the storage compartment in the front center console forwards. The cover will automatically close the storage compartment in the front center console.

Opening and closing the glove box



- ▶ **To open:** press button ①. The glove box will open.
- ▶ **To close:** fold the glove box upwards. The glove box will close.

Through-loading feature to the cargo compartment

Folding the rear seat backrest forwards

⚠ 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 an accident because the seat backrest is not engaged

The seat backrest may fold forwards.

There is a risk of the following, in particular:

- The vehicle occupant may be pressed against the seat belt. The seat belt cannot protect as intended and could cause additional injury.

- A child restraint system will no longer be properly supported or positioned and will no longer fulfill its function as intended.
- The seat backrest will not be able restrain objects or goods in the cargo compartment.

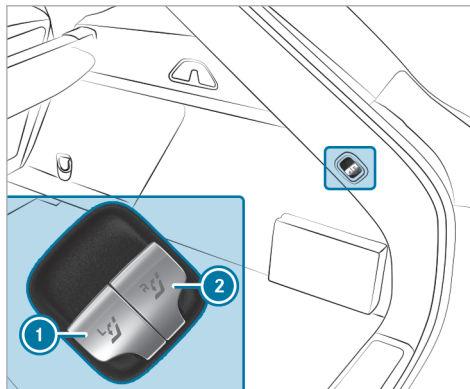
Always ensure that the seat backrest is engaged, especially:

- Before persons travel in the vehicle while sitting on a seat with the easy entry and exit feature
- After the seat backrest has been adjusted
- After the easy entry and exit feature has been used
- After the cargo compartment enlargement has been folded forwards

If you no longer require the folded-down rear seat backrest as a load area, fold the backrest back into place.

If a seat backrest is not engaged, this will be shown on the driver display.

If a seat on the second row of seats is not engaged and is locked, this will be shown on the driver display.

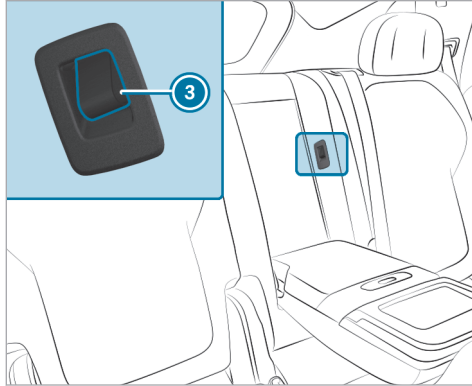


- ▶ **To fold a seat backrest forward:** move head restraints to the lower position (→ page 121).
- ▶ Briefly press button ① or ②. The rear seat will fold forwards. The center seat backrest will fold forwards together with the left seat backrest.

Observe the following recommendations:

- If you wish to fold only one of the outer seat backrests forwards, it is recommended that you fold the right seat backrest forwards.
- If you wish to fold one of the outer seat backrests forwards together with the center seat backrest, it is recommended that you fold the left and center seat backrests forwards.

Folding the center rear seat backrest forwards separately



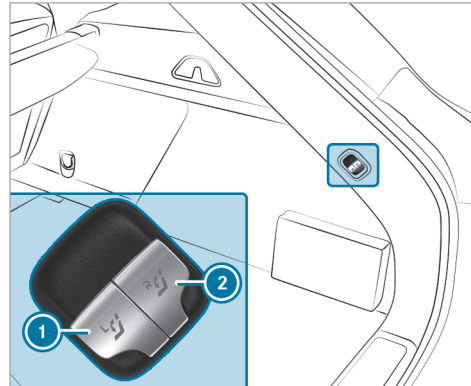
- ▶ Fold out the rear armrest.
- ▶ Pull release tab ③.
- ▶ Fold the center seat backrest forwards.

Folding back the rear seat backrest

Folding back the center seat backrest

- ▶ If only the center seat backrest in the rear passenger compartment has been folded forward separately: swivel the seat backrest backwards until it engages.

Folding back the rear seat electrically



- ▶ **To fold back the seat backrest:** briefly pull one of buttons ① or ②. The rear seat will fold back. The center seat backrest will fold back together with the left-hand seat backrest.
- ▶ **Vehicles with a third row of seats:** After the seat has stopped, pull and hold the button again. The seat will move to the last position set.
- ▶ Release the button when the end position is reached.

If a seat backrest is not engaged, this will be shown on the driver display.

Folding the seat backrest on the third seat row forwards

⚠ WARNING Risk of accident and injury if the seat and seat backrest are not engaged

The seat and seat backrest can fold forwards.

There is a risk of the following, in particular:

- The vehicle occupant may be pressed against the seat belt. The seat belt cannot provide the intended protection and could cause additional injury to the vehicle occupant.
- A child restraint system is no longer properly supported or correctly positioned and can no longer perform its function as intended.
- The seat backrest will not be able to restrain objects or goods in the cargo compartment.

Always ensure that the seat and seat backrest are engaged, in particular:

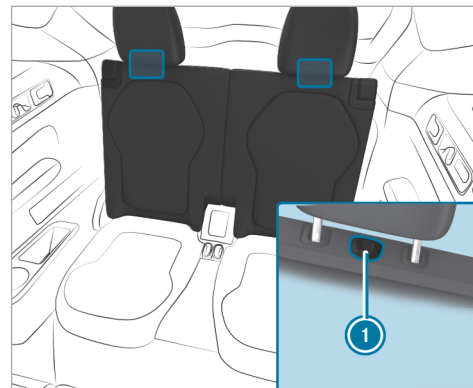
- Before persons travel in the vehicle while sitting on a seat with the easy entry and exit feature
- After the seat has been adjusted.
- After the easy entry and exit feature has been used

- After the cargo compartment enlargement has been folded forwards

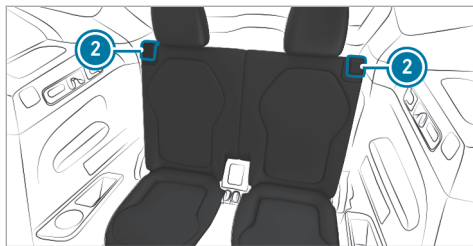
If you no longer require the folded-down seat backrest as a loading area, fold the backrest back into place.

Requirements:

- The seats and the seat backrests on the second seat row have been moved forwards sufficiently.



- ▶ Press button ①. The head restraint will fold into the lower non-usage position.



- ▶ Pull handle ② on the seat backrest forwards until the lock disengages.
- ▶ Fold the seat backrest forwards.

Folding back the seat backrest on the third seat row

- ❗ **NOTE** Damage caused by trapping the seat belt when folding back the seat backrest

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

- ▶ Make sure that the seat belt is not trapped when folding back the seat backrest.

Requirements:

- The seats and the seat backrests on the second seat row have been moved forwards sufficiently.
- ▶ Fold the seat backrest back fully until it audibly engages.
- ▶ When using the seats in the third seat row, fold the head restraints all the way up into the use position and lock them in place (→ page 121).

EASY-PACK cargo compartment cover

Notes on the cargo compartment cover

- ⚠ **WARNING** Risk of injury or death due to poorly secured objects

The cargo compartment cover alone cannot secure or restrain heavy objects, items of luggage or heavy loads.

You could be hit by an unsecured load, particularly in the event of abrupt changes in direction, sudden braking or an accident.

- ▶ Always stow objects in such a way that they cannot be thrown around.
- ▶ Secure objects, luggage or loads against slipping or tipping over, e.g. by using tie downs, even if you are using the cargo compartment cover.

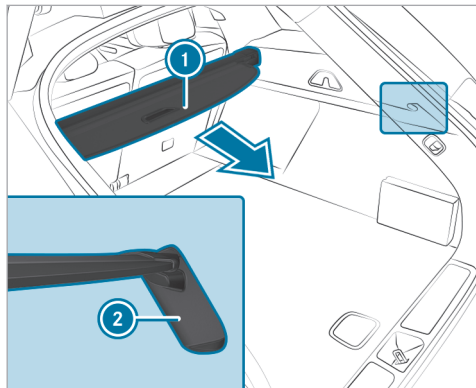
- ❗ **NOTE** Damage to the cargo compartment cover when loading the vehicle

The cargo compartment cover may be damaged when the vehicle is being loaded.

- ▶ Do not place any objects above the lower edge of the side windows or on the cargo compartment cover.

■ Extending/retracting the cargo compartment cover

Extending



- ▶ Pull the cargo compartment cover back by grab handle ① and hook it into brackets ② on the left and right.

Retracting

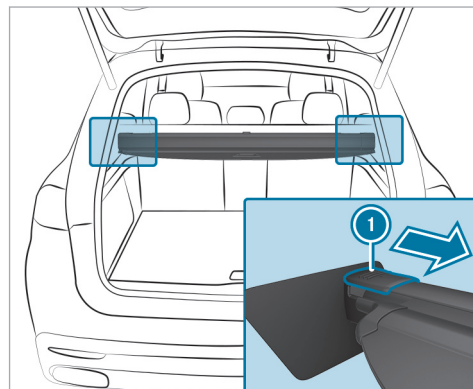
- ▶ Remove the cargo compartment cover from the brackets on the left and right.
- ▶ Guide the cargo compartment cover forwards using grab handle ① until it is fully retracted.

■ Installing/removing the cargo compartment cover

Requirements:

- The cargo compartment cover is rolled up.

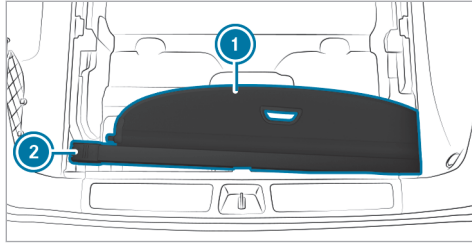
Removing the cargo compartment cover



- ▶ Press end cap ① on the left or right inwards.
- ▶ Pull out the cargo compartment cover to the rear.

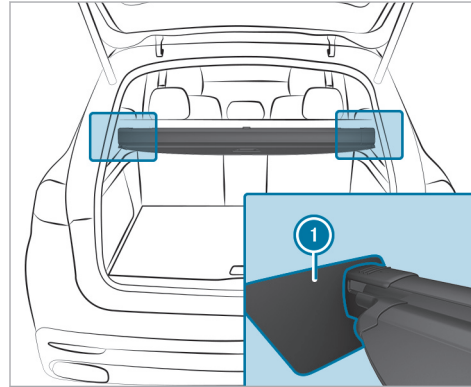
Stowing the cargo compartment cover

The cargo compartment cover can be stowed beneath the cargo compartment floor.



- ▶ Open the cargo compartment floor .
- ▶ **To insert:** place cargo compartment cover ① to the right under the trim and engage in bracket ② .
- ▶ **To remove:** press the end cap of the cargo compartment cover inward and remove it from bracket ② .

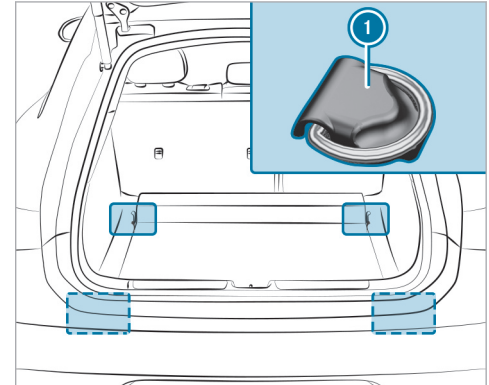
Installing the cargo compartment cover



- ▶ Insert the cargo compartment cover in brackets ① on the left and right. The end caps of the cargo compartment cover will engage audibly.

Overview of the tie-down eyes

Observe the notes on loading the vehicle (→ page 133).



- ① Tie-down eyes

Overview of bag hooks

⚠ WARNING Risk of injury when using bag hooks with heavy objects

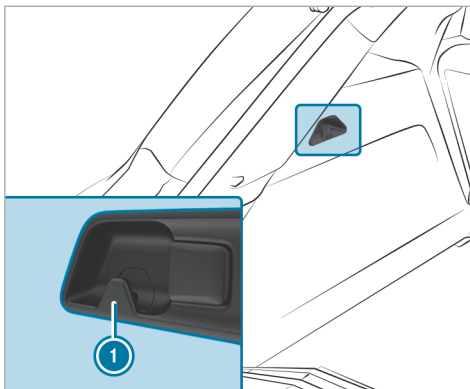
The bag hooks cannot restrain heavy objects or items of luggage.

Objects or items of luggage may be flung around and hit vehicle occupants.

- ▶ Only hang light objects on the bag hooks.
- ▶ Never hang hard, sharp-edged or fragile objects on the bag hooks.

Observe the notes on loading the vehicle (→ page 133).

The bag hook can bear a maximum load of 6.6 lbs (3 kg). Do not use it to secure a load.



① Bag hook

Attaching a roof luggage rack

⚠ WARNING Risk of accident due to exceeding the maximum roof load

The vehicle center 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.

Vehicle-specific weight information can be found on the vehicle identification plate.

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

! **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 by Mercedes-Benz.

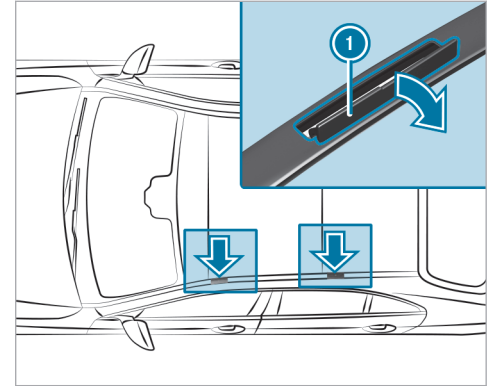
- ▶ Only use roof luggage racks tested and approved for Mercedes-Benz.
- ▶ Depending on the vehicle equipment, ensure that when the roof luggage rack is installed, the tailgate can be fully opened.
- ▶ Position the load on the roof luggage rack in such a way that the vehicle will

not sustain damage even when it is in motion.

! **NOTE** Damage to panorama roof with power tilt/sliding panel caused by roof luggage rack

If the panorama roof with power tilt/sliding panel is opened when a roof luggage rack is installed, the panorama roof with power tilt/sliding panel may be damaged by the roof luggage rack.

- ▶ Do not open the panorama roof with power tilt/sliding panel if a roof luggage rack is installed.



! **NOTE** Damage to the covers

The covers may be damaged and scratched when being opened.

- ▶ Do not use metallic or hard objects.

- ▶ 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 holder

Installing the cup holder in or removing it from the center console

⚠ WARNING – Risk of accident or injury when using the cup holder while the vehicle is moving

The cup holder cannot secure containers while the vehicle is moving.

If you use a cup holder while the vehicle is moving, the container may be flung around and liquids may 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.
- ▶ Close the container, particularly if the liquid is hot.

⚠ 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 storage 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.

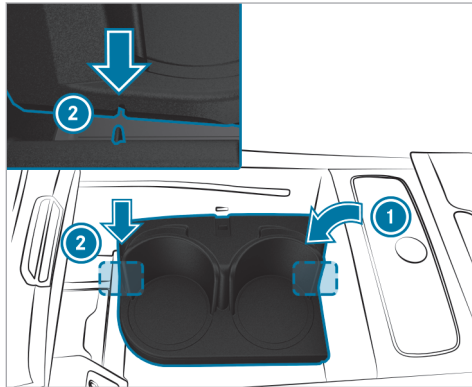
- ▶ Always make sure that objects do not protrude from storage spaces, parcel nets or storage nets.
- ▶ Close the lockable storage spaces before starting a journey.
- ▶ Always stow and secure heavy, hard, pointed, sharp-edged, fragile or bulky objects in the trunk.

Requirements:

- For installation: the locking catch is pushed in the direction of the cup holder.

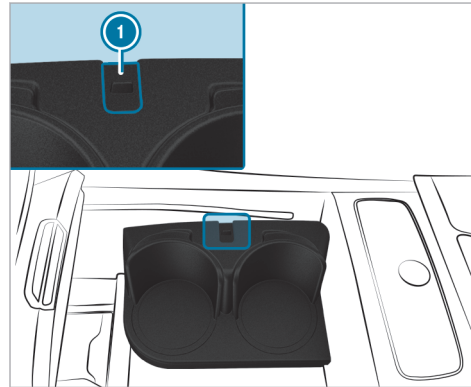
Observe the notes on loading the vehicle (→ page 133).

Installing



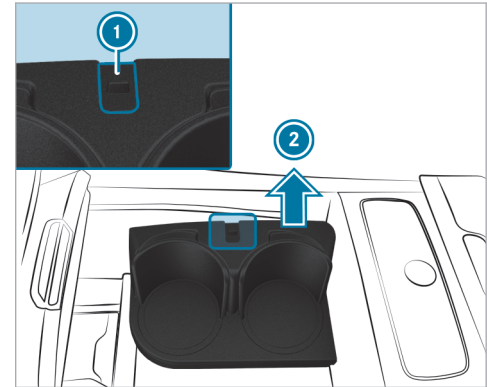
- ▶ Insert cup holder housing ① into the stowage compartment at a slight angle.
- ▶ Place cup holder housing ① in the stowage compartment, aligning the recesses with the two hubs ② so that they fit.
- ▶ Push the cup holder down.

Locking



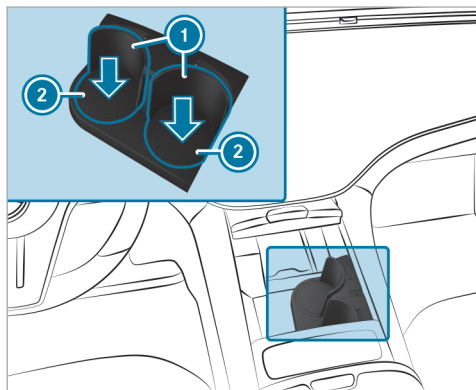
- ▶ Slide locking catch ① toward the side wall of the center console.
The cup holder will be locked.

Removing



- ▶ Slide locking catch ① toward the cup holder.
The cup holder will be unlocked.
- ▶ First pull the cup holder up in the direction of arrow ② and then tilt it slightly to remove it from the stowage compartment.

Using the cup holder



▶ Place a beverage container in the cup holder. Bottom ② of the cup holder will lower automatically and side walls ① of the cup holder will move forward automatically.

① The cup holder will automatically adjust to the size of the container placed in it.

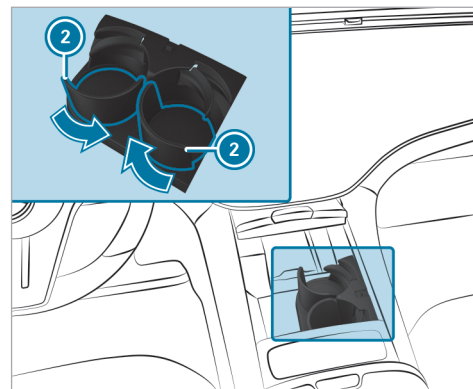
The side walls of the cup holder can also be activated manually in different ways:

- Press the bottom down slightly with the beverage container.
- Press on the grooved surface on the side wall of the cup holder.

① Check whether the beverage container is held firmly by the cup holder. Some beverage containers will not be secured adequately in the cup holder due to their shape or size.

Original position

When the cup holder is not in use, the side walls of the cup holder can be retracted manually. The bracket arms of the cup holder will automatically be retracted as well, and the cup holder's holding function will then no longer be available.



▶ Manually push back the side walls of cup holder ② in the direction of the arrow.

Opening or closing the cup holder in the rear armrest

⚠ WARNING - Risk of accident or injury when using the cup holder while the vehicle is moving

The cup holder cannot secure containers while the vehicle is moving.

If you use a cup holder while the vehicle is moving, the container may be flung around and liquids may 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.
- ▶ 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.

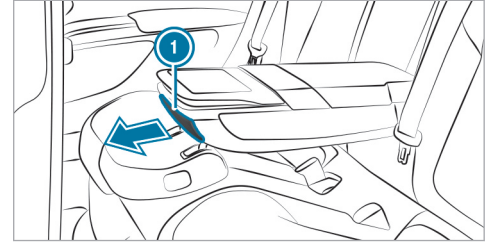
- ▶ Do not sit or support yourself on the rear seat armrest.

! NOTE Damage to the cup holder

The cup holder can be damaged when folding back the rear armrest. When open, the cup holder can be damaged by body weight.

- ▶ The rear 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.

Opening the mobile phone holder in the rear armrest



- ▶ Press cover trim **1** once. The mobile phone holder will open in the direction of the arrow.
- ▶ Place the mobile phone in or remove it from the holder.
- i** Observe the notes on loading the vehicle (→ page 133).
- i** The mobile phone holder is designed for two mobile phones or one tablet. You can also charge the devices in the holder by inserting the charging cable into the devices through the opening on the underside of the holder. Observe the notes on USB ports (→ page 151).

Closing the mobile phone holder in the rear armrest

- ▶ Press cover trim ①.
The mobile phone holder and the cup holder will both open.
- ▶ Press cover trim ① a second time.
The mobile phone holder will be closed.

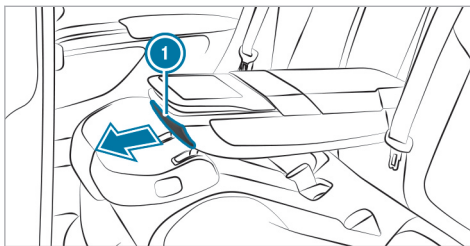
Vehicles with a third row of seats

⚠ WARNING Risk of injury due to open cup holder in a folded up rear armrest

If the cup holder in the folded-up rear armrest is open, there is an increased risk of injury for passengers in the third row of seats, especially during braking or in the event of an accident.

- ▶ Always close the cup holder before folding up the rear armrest.

Opening or closing the cup holder in the rear armrest



- ▶ **To open:** press cover trim ① twice.
The cup holder will open in the direction of the arrow.
- ▶ Place a container in or remove a container from the cup holder.
- ▶ **To close:** slide the cup holder back into the rear armrest.

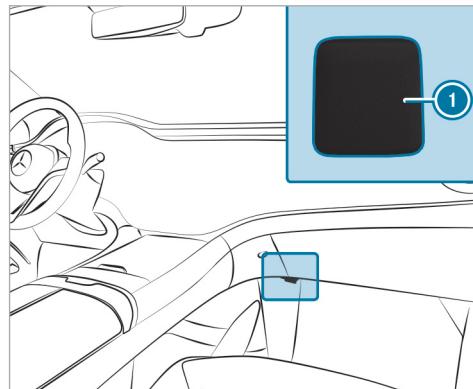
Sockets

Using the 12 V socket

Requirements

- Only connect devices up to a maximum of 180 W (15 A).

Depending on the vehicle equipment, the vehicle has 12 V sockets in the front passenger footwell and in the cargo compartment.



Example: 12 V socket in the front passenger footwell

- ▶ Fold up the cap of socket ①.
- ▶ Insert the plug of the device.
- ▶ Make sure that no cables are running through or secured in the deployment area of an air

bag when using the socket. Also observe the notes on the air bags (→ page 62).

USB ports

Depending on its equipment, the vehicle has the following USB ports:

- In the storage compartment in the front center console
- In the storage compartment under the front armrest
- In front of the stowage tray under the central display of the multimedia system
- In the center console in the rear

You can charge a USB device, such as a mobile phone, at the USB ports using a suitable charging cable. Depending on the vehicle equipment, the devices can be charged with up to 20 V (5 A) when the vehicle is switched on.

Wireless charging of the mobile phone and connection with the exterior antenna

Notes on wirelessly charging a mobile phone

⚠ 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, parcel 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 trunk/cargo compartment.

Observe the notes on loading the vehicle.

⚠ WARNING Risk of fire from placing objects in the mobile phone storage compartment

Placing other objects in the mobile phone storage compartment could constitute a fire hazard.

- ▶ Apart from a mobile phone, do not place any other objects in the mobile phone storage compartment, especially those made of metal.

! **NOTE** Damage to objects caused by placing them in the mobile phone storage compartment

If objects are placed in the mobile phone storage compartment, these may be damaged by electromagnetic fields.

▶ Do not place credit cards, storage media, ski passes or other objects sensitive to electromagnetic fields in the mobile phone storage compartment.

! **NOTE** Damage to the mobile phone stowage compartment caused by liquids

If liquids enter the mobile phone stowage compartment, the compartment may be damaged.

▶ Ensure that no liquids enter the mobile phone stowage compartment.

Always observe the notes for persons with electronic medical aids (→ page 37).

- Depending on the vehicle equipment, the mobile phone is connected to the vehicle's exterior antenna via the charging module.
- The charging function and wireless connection of the mobile phone to the vehicle's exterior antenna are available only if the vehicle is switched on.

- Small mobile phones may not be able to be charged in every position of the mobile phone stowage compartment.
- Large mobile phones that do not rest flat in the mobile phone stowage compartment may not be able to be charged or connected with the vehicle's exterior antenna.
- The mobile phone may heat up during the charging process. This may also depend on the applications (apps) currently open in the background.
- To ensure more efficient charging and connection with the vehicle's exterior antenna, remove the protective cover from the mobile phone. Protective covers that are necessary for wireless charging are an exception.

Wirelessly charging a mobile phone in the front

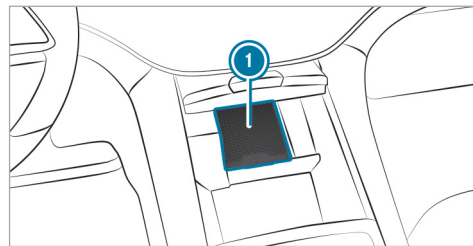
Requirements

- The mobile phone is suitable for wireless charging.

A list of compatible mobile phones can be found at: <https://www.mercedes-benz-mobile.com/>

Depending on the vehicle's equipment, the vehicle has the following options for wirelessly charging a mobile phone in the cockpit:

- In the front stowage compartment of the center console



Example: wirelessly charging the mobile phone in the front stowage compartment (with MBUX hyperscreen)

- ▶ Place the mobile phone as close to the center of mat ❶ as possible with the display facing upwards.

When the charging symbol is shown in the multimedia system, the mobile phone is being charged. In addition, malfunctions during the mobile phone's charging process are shown in the multimedia system display.

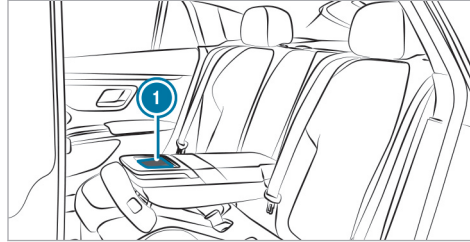
- ❶ The mat can be removed for cleaning, e.g. using clean, lukewarm water.

Wirelessly charging a mobile phone in the rear passenger compartment

Requirements:

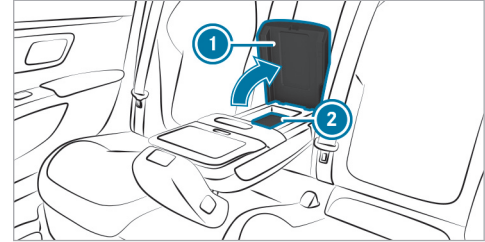
- The mobile phone is suitable for wireless charging.

A list of compatible mobile phones can be found at: <https://www.mercedes-benz-mobile.com/>



Wireless charging in the rear passenger compartment in vehicles without MBUX rear passenger compartment tablet

- ▶ Fold down the rear passenger compartment armrest.
- ▶ Place the mobile phone as close to the center of mat ❶ as possible with the display facing upwards. When the indicator lamp at the front of the mobile phone system lights up, the mobile phone is being charged. In addition, malfunctions during the mobile phone's charging process will be shown by the indicator lamp flashing three times.



Wireless charging in the rear passenger compartment in vehicles with MBUX rear passenger compartment tablet

- ▶ Fold down the rear passenger compartment armrest.
- ▶ Open the stowage compartment in rear passenger compartment armrest ❶ (→ page 149).
- ▶ Place the mobile phone as close to the center of mat ❷ as possible with the display facing upwards. When the indicator lamp at the front of the mobile phone system lights up, the mobile phone is being charged. In addition, malfunc-

tions during the mobile phone's charging process will be shown by the indicator lamp flashing three times.

- ① Observe the notes on loading the vehicle (→ page 133).

Installing and removing floor mats

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

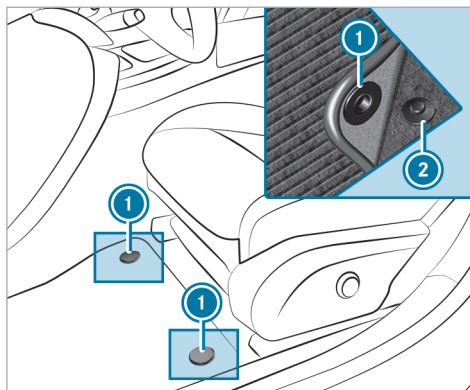
Objects in the driver's footwell may impede pedal travel or block a depressed pedal.

This will jeopardize 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 install the floor mats securely and as prescribed.

- ▶ Do not use loose floor mats and do not place floor mats on top of one another.

Installing floor mats



- ▶ Slide the corresponding seat backwards and lay the floor mat in the footwell such that it fits flush.
- ▶ Press studs ① onto holders ②.

- ▶ Adjust the corresponding seat.

Removing floor mats

- ▶ Slide the corresponding seat backwards and pull the floor mat off holders ②.
- ▶ Adjust the corresponding seat.

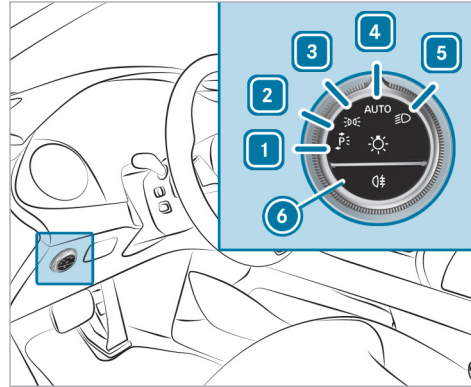
Exterior lighting

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 license plate lamp
- 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 parking lamps


Do not have the parking lamps switched on over a period of several hours.

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 163).

Switching on accident scene lighting

- ▶ Switch off the vehicle.
- ▶ Switch on the hazard warning lamps (→ page 157).
- ▶ Turn the light switch from the **AUTO** position to the  position. The low beam will be switched on despite the vehicle being switched off.

The accident scene lighting will be switched off if:

- you switch off the hazard warning lights.
- you turn the light switch back to **AUTO**.
- the battery is insufficiently charged.


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 ambient light.

⚠ WARNING Risk of accident when the low beam is switched off in poor visibility



When the light switch is set to **AUTO**, the low 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.

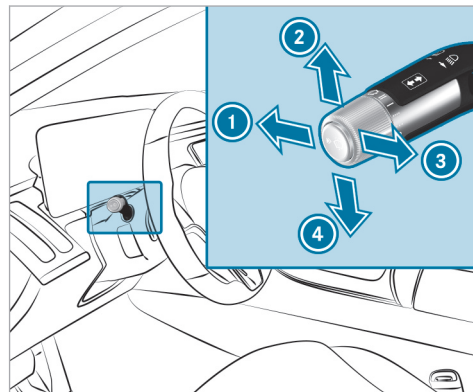
Switching the rear fog light on/off

Requirements

- The light switch is in the  or **AUTO** position.
- ▶ Press button .

Please observe the country-specific laws on the use of rear fog lamps.





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.


Switching on high beam

- ▶ Turn the light switch to the  or **AUTO** position.
- ▶ Push the combination switch in the direction of arrow . 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  or pull it in the direction of arrow .

Headlamp flashing

- ▶ Pull the combination switch in the direction of arrow .

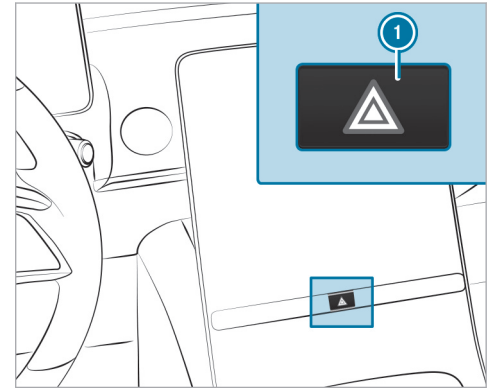
Turn signal lights

- ▶ **To indicate briefly:** push the combination switch briefly to the point of resistance in the direction of arrow  or . 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  or .

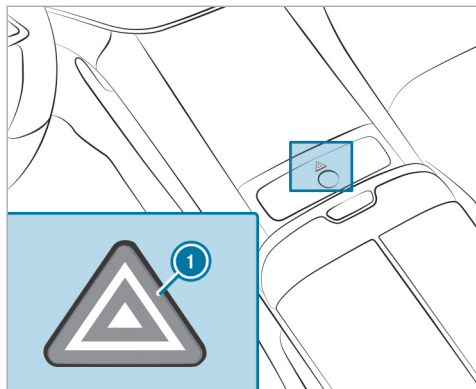
Vehicles with Active Lane Change Assist:

- A turn signal indicator activated by the driver may continue to operate for the duration of the lane change.
- If the driver indicated directly beforehand but a lane change was not immediately possible, the turn signal indicator may activate automatically.

Activating/deactivating the hazard warning lights



Vehicles without MBUX Hyperscreen



Vehicles with MBUX Hyperscreen

▶ Press button ①.

The hazard warning lights will switch on automatically if:

- the air bag has been deployed.

DIGITAL LIGHT adaptive functions

Function of dynamic low beam

With this system, the headlamps adapt to the driving and weather situation. It also provides extended functions for improved illumination of the road.

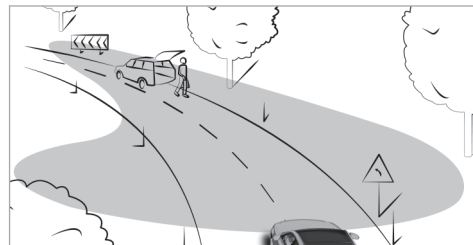
① The availability of the functions is country-dependent.

The system comprises the following functions:

- Active Headlamps (→ page 158)
- Topographical compensation (→ page 158)

The system will be active only when it is dark.

Active headlamps function



- The headlamps will follow your steering movements.
- Relevant areas will be better illuminated during a journey.

The functions will be active when the low beam is switched on.

Function of the topographical compensation

Based on available map data, the lighting system responds pre-emptively to different road heights. This means that the headlamp range will remain virtually constant when you are driving uphill or downhill.

- ❗ Only vehicles with a multimedia system with navigation have this function.

Assistance functions of DIGITAL LIGHT

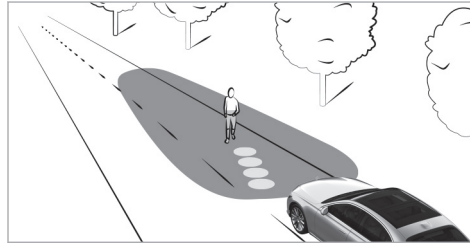
DIGITAL LIGHT visually expands on the driver assistance systems by projecting the assistant displays in front of the vehicle while it is in motion. DIGITAL LIGHT can therefore help the driver in critical situations.

- ❗ The availability of the functions is country-dependent.

The system will remain active when Highbeam Assist is switched on.

- ❗ If you activate the head-up display with augmented reality, the projections will be deactivated.
- ❗ Depending on the country in which you are currently driving, certain functions may be disabled due to different legal requirements, even if they are enabled in the multimedia system. When you cross a border, the vehicle will automatically adapt to the applicable requirements.

Spotlight

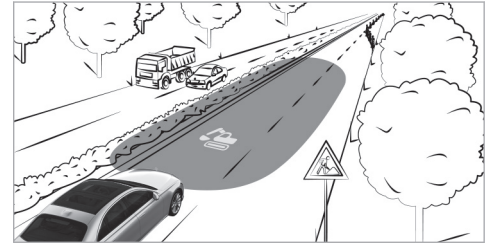


The spotlight function runs in the background and will flash the headlamps in four short bursts at persons detected within the lane markings. You will also be made aware of the position of the person by a projected symbol.

The function will be active in the following circumstances:

- You are driving in an unlit area.
- The system detects a lane marking.

Notes

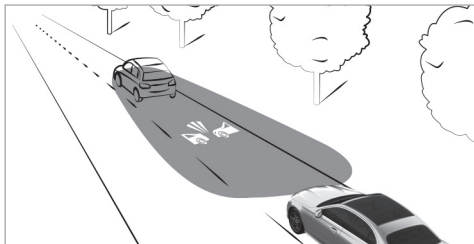


If Traffic Sign Assist detects a roadworks zone, the system will provide support as follows:

- A corresponding symbol will be projected onto the road when you enter a roadworks zone.

Observe the system limitations of Traffic Sign Assist (→ page 275).

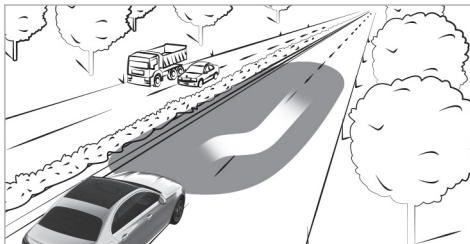
Collision warning



If you fall below the safe distance at speeds of at least 19 mph (30 km/h), a collision warning symbol will be projected onto the road.

Observe the system limitations of Active Brake Assist (→ page 269).

Lane change warning



During assisted lane changes at speeds of at least 19 mph (30 km/h), the course of the lane change will flash.

Observe the system limitations of Active Lane Change Assist (→ page 265).

Lane keeping and blind spot warning



At speeds of at least 19 mph (30 km/h), a triangle that indicates a lane correction and its direction will be projected onto the road in the following cases:

- You leave the lane unintentionally.
Observe the system limitations of Active Lane Keeping Assist (→ page 283).
- You switch on the turn signal light while an object or obstacle is in your blind spot.
Observe the system limitations of Active Blind Spot Assist (→ page 279).

■ Activating/deactivating dynamic low beam

Requirements:

- The vehicle is switched on.

Multimedia system:

→  » Settings » Light
 » DIGITAL LIGHT

- ▶ Activate or deactivate **Dynamic Low Beam**.

Activating/deactivating enhanced assistance functions

- ① The availability of the functions is country-dependent.

- ① This function is an on-demand feature (→ page 29).

- ▶ Select **Supporting Projections**.
- ▶ Activate or deactivate the desired projections.
- ▶ Switch **Projection for greeting/farewell** on or off.

If the locator lighting or the exterior switch-off delay time is activated, a high-resolution greeting or farewell scene will be played back for a short period of time when the vehicle is

opened or switched off. You can choose between the **Digital Rain** and **Pixel Impact** sequences.

- ① More information on locator lighting (→ page 163).
 More information on the exterior switch-off delay time (→ page 162).

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 recognize other road users with their own lighting, or may recognize 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.

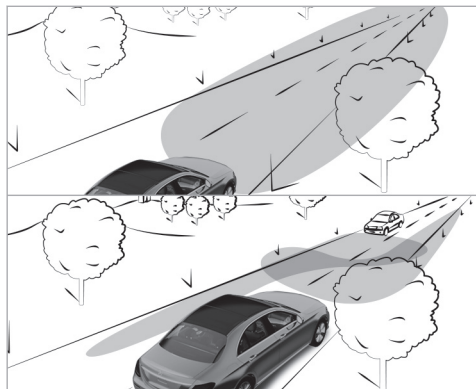
- ▶ Always observe the road and traffic conditions carefully and switch off the high beam in good time.

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 automatically switches between the following types of light:

- Low-beam headlamps
- High beam

At speeds greater than 19 mph (30 km/h):


- If no other road users are detected, high beam will switch on automatically.

High beam will switch off automatically in the following cases:

- At speeds below 16 mph (25 km/h)
 - If other road users are detected
 - If street lighting is sufficient
- i** The system's optical sensor is located behind the windshield near the overhead control panel.

Switching Adaptive Highbeam Assist on/off

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.

Switching the daytime running lights on/off

Multimedia system:

 **Settings** **Light**
DIGITAL LIGHT

- ▶ Switch the **Daytime Running Lights** on or off.

- i** In vehicles without DIGITAL LIGHT headlamps, the daytime running lights can be switched on or off on the **driving lights** menu.
- i** Availability of the function is country-dependent.

Setting the exterior lighting switch-off delay time

Multimedia system:

 **Settings** **Light**
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 → Light
- 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.

Activating/deactivating the Illuminated Mercedes Star

Multimedia system:

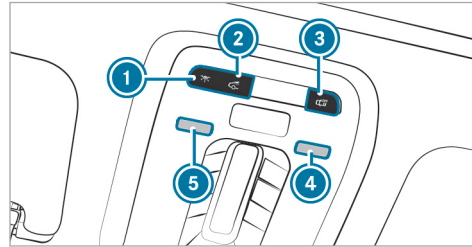
- →  → Settings → Light
- Interior/Exterior Lighting




- ▶ Activate or deactivate **Illuminated Mercedes Star**.

When the function is activated, the central star lights up if the legal conditions permit it.

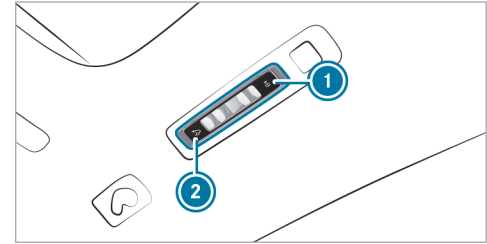
Interior lighting



Adjusting the interior lighting



- ①  Switches the front interior lighting on/off.
- ②  Switches the rear interior lighting on/off.
- ③  Switches automatic interior lighting control on/off.
- ▶ **To switch reading lamps on/off:** touch respective reading lamp ④ or ⑤.

Operating unit in the rear passenger compartment



- ①  Reading lamp on the respective side of the vehicle
- ②  Rear interior lighting
- ▶ **To switch reading lamps on:** press button ①. The reading lamp, the interior lighting above the rear door and the dome lamp on the respective side of the vehicle will light up.
- ▶ **To switch reading lamps off:** press button ① once or twice. When you press it once, the interior lighting above the rear door and the dome lamp on the respective side of the vehicle will go out.

When you press it twice, the reading lamp on the respective side of the vehicle will go out.

- ▶ **To switch the rear interior lighting on/off:** press button ②.

The reading lamps, the interior lighting above the rear door and the dome lamps on both sides of the vehicle will light up or go out.

Adjusting the ambient lighting

Multimedia system:

→ →  → Comfort → Ambient Light

Setting the color

- ▶ Select **Color**.
- ▶ Select **Monochrome** or **Multi-color**.
- ▶ Set the desired color or color scheme.

Energy Shine

- The interactive Energy Shine color scheme shows the different phases during a journey. Depending on the type of driving condition (speed, boost effect or recuperation), this will

be shown in color by the active ambient lighting.

Adjusting the brightness

- ▶ Select **Brightness**.
- ▶ Adjust the brightness.
- ① 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.
- ① The **Light Band** zone can also be set in vehicles with active ambient lighting.

Activating effects

⚠ WARNING Risk of accident if ambient lighting and active ambient lighting effects are not switched on

The warning assistance effects will be fully active only when the relevant driving or driving safety systems are activated on the Driving Assistance menu.

- ▶ Make sure that the relevant driving or driving safety systems are activated.

- ① Observe the notes on driving systems and your responsibility; you may otherwise fail to recognize dangers (→ page 238).
- ▶ Select **Effects**.
- ▶ Activate the desired effect.
- ① 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 color of the ambient lighting will change briefly.


- **Voice Assistant:** In vehicles with active ambient lighting, the voice assistant will be visually animated.
- **Greeting:** When you get into the vehicle, a special color animation will play.
- **Charging animation:** The ambient lighting provides visual feedback on the different states of charge when the vehicle is connected to or disconnected from the charging station.

Warning assistance effects

- **Warning When Exiting:** If an object is detected in the blind spot while you are getting out of the vehicle, the ambient lighting on the affected door will flash red.
Further information on the exit warning (→ page 279).
- **Active Lane Keeping Assist:** If there is a warning from Active Lane Keeping Assist, the active ambient lighting will flash red.
Further information on Active Lane Keeping Assist (→ page 283).
- **Active Brake Assist:** If there is a warning from Active Brake Assist, the active ambient lighting in the center of the cockpit will flash bright red.
Further information on Active Brake Assist (→ page 269).
- **Active Blind Spot Assist:** In vehicles with active ambient lighting, the ambient lighting on the affected side will flash red if there is a warning from Active Blind Spot Assist.
Further information on Active Blind Spot Assist (→ page 279).
- **Parking Assist PARKTRONIC:** The information from the parking sensors during parking maneuvers will be displayed in color.
Further information on Parking Assist PARKTRONIC (→ page 297)

Multi-color Animation


- The chosen color combination will change at predefined intervals.
- ❗ In vehicles with active ambient lighting, an animation will be played.
- ❗ The desired operating feedback and warning assistance can be activated or deactivated via

the  symbol. Depending on the equipment, different operating feedback and warning assistance effects are available.

- ❗ If the brightness is set to a low level, warning animations will be displayed at a higher basic brightness.

Switching the interior lighting switch-off delay time on/off

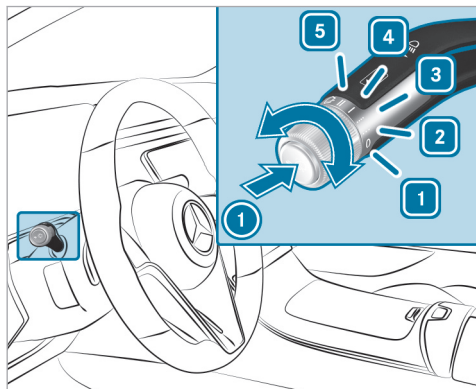
Multimedia system:

- ➔  ➔ Settings ➔ Light
- ➔ 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.

Windshield wiper and windshield washer system

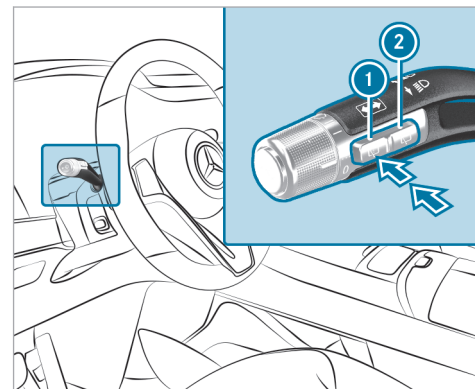
Switching the windshield wipers on or off



- 1 0 Windshield 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 pressure point.
- ▶ **Wiping with washer fluid:** press button ① beyond the pressure point.
- ① Observe the notes on washing the vehicle in a car wash (→ page 404).

Switching the rear window wiper on/off



- ① Single wipe/washing
- ② Intermittent wiping

- ▶ **Single wipe:** press button ① as far as the point of resistance.
- ▶ **Wiping with washer fluid:** press button ① beyond the point of resistance.

- ▶ **Switching intermittent wiping on/off:** press button ②. The  symbol will appear on the driver's display when the rear window wiper is switched on.

Changing the windshield wiper blades


⚠ WARNING Risk of becoming trapped if the windshield wipers are switched on while wiper blades are being replaced

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

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

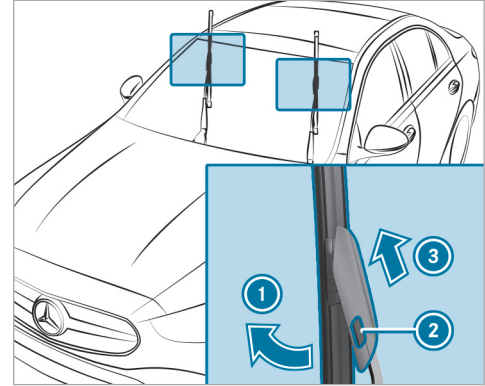
Moving the wiper arms into the replacement position

- ▶ Switch the vehicle on and then off again immediately.

- ▶ Within around 15 seconds, press the  button on the combination switch for approximately three seconds (→ page 166). The wiper arms will move into the replacement position.
- ⓘ Depending on the production period of the vehicle, different variants of the wiper blades will have been installed.

Removing the wiper blades (variant 1)

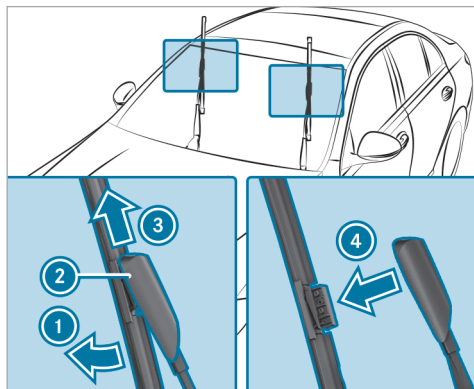
- ▶ Fold the wiper arms away from the windshield.



- ▶ Hold the wiper arm with one hand. With the other hand, turn the wiper blade away from the wiper arm in the direction of arrow ① as far as it will go.
- ▶ Press release knob ②.
- ▶ Remove the wiper blade in the direction of arrow ③ away from the wiper arm.

Removing the wiper blades (variant 2)

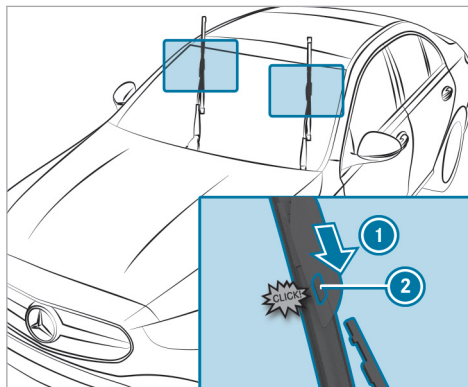
- ▶ Fold the wiper arms away from the windshield.




- ▶ Hold the wiper arm with one hand. With the other hand, turn the wiper blade away from the wiper arm in the direction of arrow ① as far as it will go.
- ▶ Slide catch ② in the direction of arrow ③ until it engages in the removal position.

- ▶ Remove the wiper blade from the wiper arm in the direction of arrow ④.

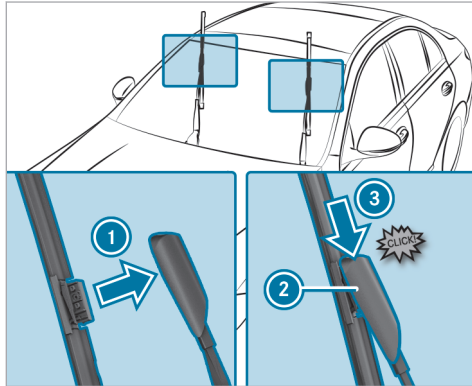
Installing the wiper blades (variant 1)




- ▶ Insert the new wiper blade in to the wiper arm in the direction of arrow ① until release knob ② engages.

- ▶ Make sure that the wiper blade is seated correctly.
- ▶ Fold the wiper arms back onto the windshield.
- ▶ Switch on the vehicle.
- ▶ Press the  button on the combination switch. The wiper arms will return to their original positions.
- ▶ Switch off the vehicle.

Installing the wiper blades (variant 2)

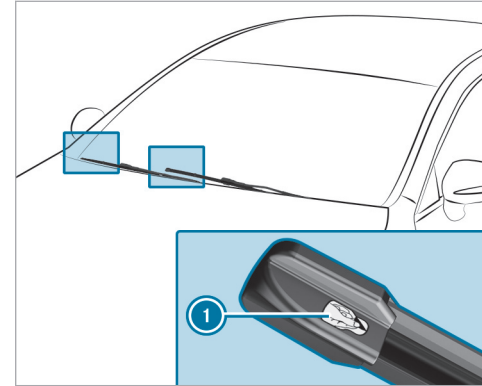


- ▶ Insert the new wiper blade into the wiper arm in the direction of arrow ①.
- ▶ Slide catch ② in the direction of arrow ③ until it engages in the locking position.
- ▶ Make sure that the wiper blade is seated correctly.
- ▶ Fold the wiper arms back onto the windshield.

- ▶ Switch on the vehicle.
- ▶ Press the  button on the combination switch. The wiper arms will return to their original positions.
- ▶ Switch off the vehicle.

Maintenance display

A maintenance display can be found at the tip of the blade on the newly installed wiper blades.



- ▶ Remove protective film ① from the maintenance display.

When the color of the maintenance displays changes from black to yellow, you should replace the wiper blades.

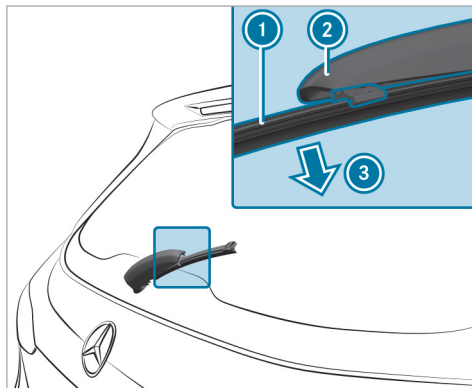
Replacing the rear window wiper blade

⚠ WARNING Risk of becoming trapped if the windshield wipers are switched on while wiper blades are being replaced

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

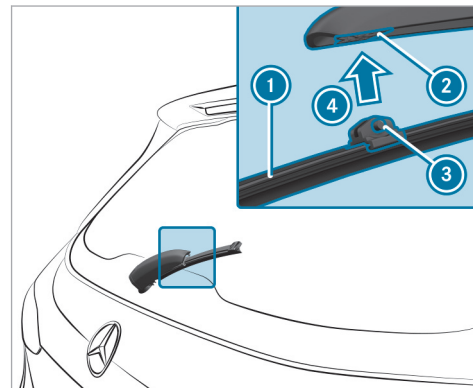
- ▶ Always switch off the windshield wipers and vehicle before changing the wiper blades.

Removing the wiper blade



- ▶ Switch off the vehicle.
- ▶ Fold wiper arm (2) away from the rear window until it engages in the replacement position.
- ▶ Unclip wiper blade (1) from wiper arm (2) and remove it in the direction of arrow (3).

Installing the wiper blade



- ▶ Position wiper blade (1) with both lugs (3) on holder (2) on the wiper arm.
- ▶ Push wiper blade (1) in the direction of arrow (4) until it engages in holder (2).
- ▶ Make sure that wiper blade (1) is seated correctly.

- ▶ Fold the wiper arm from the replacement position back onto the rear window.

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:

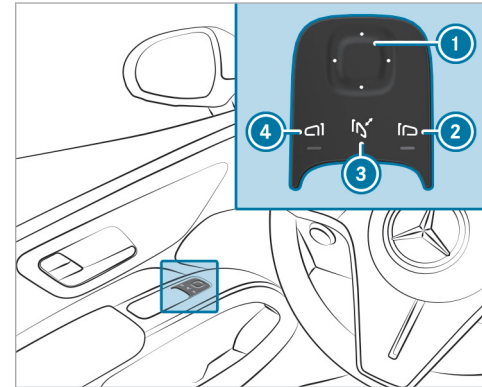
- If you adjust the driver's seat, the head restraint, the steering wheel or the mirror while the vehicle is in motion
 - If you fasten your seat belt while the vehicle is in motion
- ▶ Before starting the vehicle: in particular, adjust the driver's seat, head restraint, steering wheel and mirror, and fasten your seat belt.

- ⚠ **WARNING** Risk of accident due to misjudgment of distance when using the front-passenger mirror

The outside mirror on the front passenger side reflects objects on a smaller scale. The objects in view are in fact closer than they appear.

- ▶ Therefore, always look over your shoulder to check the actual distance between you and the road users traveling behind you.

Adjusting the outside mirrors



- ▶ Use button ② or ④ to select the desired mirror.
- ⓘ In vehicles with MBUX Interior Assistant and driver camera, the required outside mirror can also be preselected automatically via a natural head movement to the left or right (→ page 353).

- ▶ Use button ① to adjust the position of the selected mirror.

Folding the outside mirrors in/out

- ▶ Briefly press button ③.
- ① If the battery has been disconnected or has discharged, the outside mirrors must be moved briefly using button ③. Only then will the automatic mirror folding function work properly.

Engaging the outside mirrors

If an outside mirror has been forcibly disengaged, proceed as follows.

- ▶ Press and hold button ③.
You will hear a click and the mirror will audibly engage. The outside mirror will now be set to the correct position.

Automatic anti-glare mirrors function

⚠ WARNING Risk of acid burns and poisoning due to the anti-glare mirror electrolyte

Electrolyte may escape if the glass in an automatic anti-glare 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.

The inside rearview mirror and the outside mirror on the driver's side will automatically go into anti-glare mode if light from a headlamp hits the sensor on the inside rearview mirror.

System limits

The system will not go into anti-glare 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:

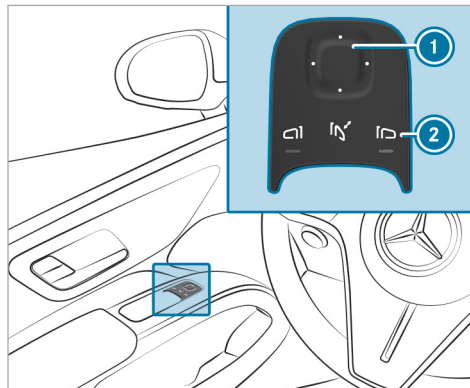
- The parking position is stored (→ page 173).
- The front-passenger mirror is selected.
- Reverse gear is engaged.

The front-passenger outside mirror will move back to its original position when:

- You shift the transmission to another transmission position.
- You are traveling at a speed greater than 9 mph (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



- ▶ Select the front-passenger outside mirror using button ②.
- ▶ Engage reverse gear.

- ▶ Move the front-passenger outside mirror into the desired parking position using button ①.

Calling up

- ▶ Select the front-passenger outside mirror using button ②.
- ▶ Engage reverse gear.
The front-passenger outside mirror will move into the stored parking position.

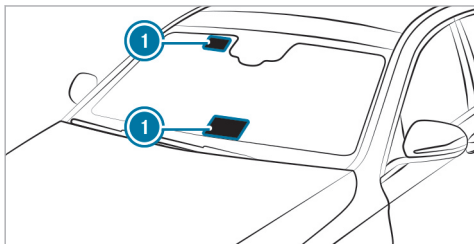
Activating/deactivating the automatic mirror folding function

Multimedia system:

- ▶ ▶ Settings ▶ Vehicle
- ▶ Open/Close

- ▶ Activate or deactivate Automatic Mirror Folding.

Area permeable to radio waves on the windshield



Radio-controlled equipment such as toll systems can be mounted only on areas ① of the windshield that are permeable to radio waves.

Areas permeable to radio waves ① are best visible from outside the vehicle when the windshield is illuminated with an external light source.

Note this position for vehicles with:

- Windshield heater
- Infra-red reflective windshield

Infrared-reflective windshield function

The infrared-reflective windshield is coated and reduces the build-up of heat in the vehicle interior.

The coating shields the vehicle interior from radio waves.

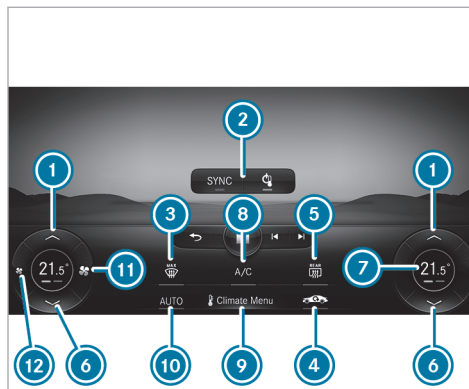
Overview of climate control systems

Notes on climate control

An interior air filter in combination with the prefilter in the engine compartment must always be used so that the air conditioning system, pollution level monitoring and the air filtration work correctly. Use filters recommended and approved by Mercedes-Benz. Always have maintenance work carried out at a qualified specialist workshop.

Overview of the THERMATIC climate bar

The indicator lamps indicate that the corresponding functions are activated.



Front climate bar on the central display (example)

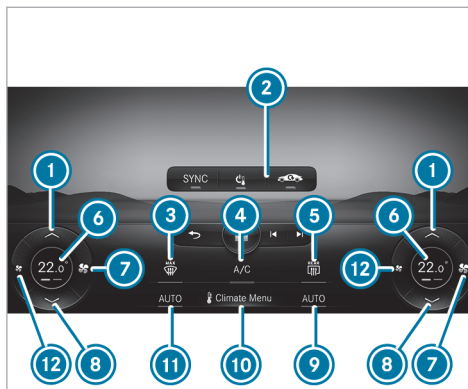
- ① Increases the temperature
- ② Upper display area of the climate bar with the examples of switching climate control on/off (→ page 178) and **SYNC** synchronisation function (→ page 181)
- ③ Defrosts the windshield (→ page 179)

- ④ Switches the A/C function on/off (→ page 179) or Fine particle prefilter status display (→ page 179)
- ⑤ Switches the rear window defroster on/off
- ⑥ Reduces the temperature
- ⑦ Depending on vehicle equipment and settings: temperature display, display for the defrost function, airflow, pre-entry climate control or climate mode
- ⑧ Switches air-recirculation mode on/off (→ page 182)
- ⑨ Calls up the air conditioning menu (→ page 179)
- ⑩ **AUTO** Sets climate control to automatic mode (→ page 179)
- ⑪ Increases the airflow or switches on climate control (→ page 178)
- ⑫ Reduces the airflow or switches off climate control (→ page 178)

- ① The climate bar will remain visible even when the vehicle is parked or the air conditioning is switched off (→ page 178).
- ① The availability of individual functions depends on the country and equipment.


Overview of the THERMOTRONIC climate bar

The indicator lamps indicate that the corresponding functions are activated.



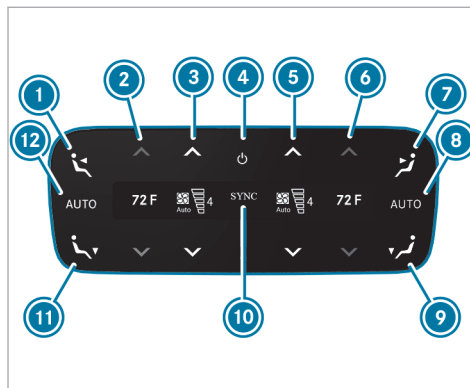
Front climate bar on the central display (example)

- ① Increases the temperature
- ② **SYNC** Synchronization function (→ page 181)
- Switches off climate control (→ page 178)
- Switches air-recirculation mode on/off (→ page 182)
- ③ Defrosts the windshield
- ④ **A/C** Switches the A/C function on/off (→ page 179) or
- Fine particle prefilter status display (→ page 179)
- ⑤ Switches the rear window defroster on/off
- ⑥ Depending on vehicle equipment and settings:
Temperature display
- Display for the defrost function
- Airflow
- Pre-entry climate control
- ⑦ Increases the airflow or switches on climate control (→ page 178)
- ⑧ Reduces the temperature
- ⑨ **AUTO** Sets climate control to automatic mode, right (→ page 179)
- ⑩ Calls up the air conditioning menu (→ page 179)

- ⑪ **AUTO** Sets climate control to automatic mode, left (→ page 179)
- ⑫  Reduces the airflow or switches off climate control (→ page 178)
- ⓘ The airflow will automatically be reduced in the event of an incoming call to keep noise sources to a minimum. The airflow can be adjusted again via ⑦ or ⑫.
- ⓘ The climate bar is visible even when the vehicle is parked or the air conditioning is switched off (→ page 178).
- ⓘ The availability of individual functions depends on country and equipment.

Overview of the rear operating unit

The rear operating unit is available only for vehicles with the THERMOTRONIC air conditioning control panel.



Example: USA

- ① Sets the air distribution to the center air vent in the rear passenger compartment, left
- ② Sets the temperature in the rear passenger compartment, left
- ③ Sets the airflow in the rear passenger compartment, left, or switches climate control on/off (→ page 178)

- ④ Switches climate control on/off (→ page 178)
- ⑤ Sets the airflow in the rear passenger compartment, right, or switches climate control on/off (→ page 178)
- ⑥ Sets the temperature in the rear passenger compartment, right
- ⑦ Sets the air distribution to the center air vent in the rear passenger compartment, right
- ⑧ Sets rear climate control to automatic mode, right
- ⑨ Sets the air distribution to the rear right footwell vents
- ⑩ Synchronization is activated (→ page 181)
- ⑪ Sets the air distribution to the rear left footwell vents
- ⑫ Sets rear climate control to automatic mode, left

Depending on the equipment, the settings for the second row of seats can be adjusted on the following devices:


- on the rear operating unit

- on an MBUX high-end rear entertainment system display
- on the rear tablet
- on the front passenger display (CDD co-driver display)
- on the central display

Operating the climate control system

Switching climate control on/off


Switching on climate control

▶ Set the airflow to level 1 or higher via  on the climate bar on the central display.


or

▶ Press **AUTO**, ,  or .



Switching off climate control

▶ Set the airflow to level 0 via  on the climate bar on the central display

or


▶ Press .

If climate control is switched off, the windows may fog up more quickly. Switch climate control off only briefly.


- ⓘ If climate control is switched off via , **OFF** will be shown on the climate bar.
- ⓘ When the range maximization function is activated, certain climate control functions are restricted and the window and mirror heaters are switched off. This can lead to windows fogging up and reduced visibility due to weather conditions. To quickly reactivate the climate control functions, press the  button on the climate bar on the central display.

Switching climate control on/off via the rear operating unit

Switching on

▶ Press button .


or

▶ Set the airflow to level 1 or higher using buttons  and .

or


▶ Press buttons , ,  or .

Switching off

▶ Press button .

or

▶ Set the airflow to level 0 using buttons  and .

- ⓘ If rear climate control is switched off via button , **OFF** will be shown on the displays.

Activating/deactivating the A/C function via the climate bar

The A/C function heats, cools and dehumidifies the vehicle's interior air.

▶ Press **A/C** on the climate bar on the central display.


- ⓘ Switch off the A/C function only briefly; otherwise, the windows may fog up more quickly. Condensation may drip from the underside of the vehicle when cooling mode is active. This is not indicative of a malfunction.

Calling up the air conditioning menu using the climate bar

The air conditioning menu can be called up via the climate bar. The climate bar is always shown on the lower edge of the central display.

- ▶ Select the **Climate Menu** entry in the air conditioning bar.
The **First Row of Seats** menu is opened.


Jumping directly to the Air Quality menu

- ▶ Select the  fine particle prefilter status display in the air conditioning bar. The **Air Quality** menu is opened. An animation of the automatic air cleaning taking place is shown.



- ⓘ The fine particle status display is on the home screen next to the temperature display on the right and it informs you of the current particulate levels inside and outside of the vehicle. The measurement values are shown with the $\mu\text{g}/\text{m}^3$ units (micrograms per cubic meter).

Defrosting the windshield via the climate bar

Switching on

- ▶ Press  on the climate bar on the central display.

Switching off

- ▶ Press , **AUTO** or  on the climate bar on the central display.

or

- ▶ Set the airflow to 0.

- ⓘ When the defrost function is activated, some functions (e.g. the temperature setting) will automatically be deactivated.

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 central display, switch the function on or off in the climate menu of the central display.


- ▶ Select **A/C** (A/C).

Setting climate control to automatic mode via the climate bar

In automatic mode, the set vehicle interior temperature is controlled automatically and maintained at a constant level by the air supply.

- ▶ Press **AUTO** on the climate bar on the central display.

- ▶ **To switch to manual operation:** switch off automatic mode or adjust the air distribution, e.g. .

- ⓘ You can manually increase or reduce the airflow by pressing  on the climate bar on the central display.

Selecting climate modes via the air conditioning menu



Multimedia system:


→ Climate Menu → First Row of Seats

It is possible to switch between different climate modes on the Climate menu.

If ECO or ECO+ mode is activated, certain climate control functions will be restricted to conserve energy and extend the vehicle's range.

The following modes are available on the Climate menu:

- **Comfort:** maximum climate comfort
- **ECO:** while heating and cooling output are limited, it remains possible to operate climate control without restriction. If you activate , the system will automatically switch to Comfort mode.
- **ECO+:** mode using only the blower and waste heat, if applicable. The temperature can no longer be adjusted. If you activate , the system will automatically switch to Comfort mode.

- ① The windows may fog up more when ECO or ECO+ mode is activated.
- ① ECO+ climate mode can also be switched on and off via the range maximization button in the EQ menu under **Range**. When the range maximization function is deactivated, the system will automatically switch to the last selected climate mode. Pressing the temperature or blower display on the climate bar of the central display allows direct access to the air conditioning menu when ECO or ECO+ mode is active. The climate mode can be changed by pressing the ECO button.
- ① The vehicle's climate control automatically detects seat occupancy. If the vehicle detects unoccupied seats, the climate control functions will be restricted. If you activate , the climate control will automatically switch to Comfort mode.
- ① If the vehicle is parked in the ECO or ECO+ mode for a short period, the previously selected mode will still be activated the next time the vehicle is started. If the vehicle is parked in ECO or ECO+ mode for a longer period of time, the system will automatically switch to

Comfort mode the next time the vehicle is started.




- ▶ Tap on **ECO**.
- ▶ Select **Comfort, ECO** or **ECO+**.


If an ECO mode is selected via the air conditioning menu, two LEDs will appear on the temperature display on the climate bar. When ECO mode is switched on, one LED will light up green on the temperature display. When ECO+ mode is switched on, both LEDs will light up green and the ECO+ display will appear.

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.



- i** 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 windshield 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.

Setting rear climate control using the air conditioning menu


Multimedia system:

➤ **Climate Menu**



Setting the airflow

- Select **Second Row of Seats** or **Third Row of Seats**.
- Set the air flow with  or .

Setting the temperature

- Select **Second Row of Seats**.
 - Set the temperature.
- i** The third seat row can also be cooled in addition to the temperature already set for the first and second seat rows. To activate additional cooling press,  and set to level 1 or higher.

Controlling the rear climate control automatically

- Select **AUTO**.
- i** When the defrost function is activated, some functions (e.g. the temperature setting) will automatically be deactivated. To deactivate the defrost function, press either , **AUTO** or  set the air flow to level 0 (→ page 179).

Switching the synchronization function on/off via the air-conditioning menu

Multimedia system:


➤ **Climate Menu** ➤ **First Row of Seats**

The synchronization 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** (SYNC).

Removing condensation from the windows

Windows fogged up on the inside

- Press **AUTO** on the climate bar on the central display.
- If the windows remain fogged up: press  on the climate bar on the central display.

Windows fogged up on the outside

- Switch on the windshield wipers.
- Press **AUTO** on the climate bar on the central display.


Switching air-recirculation mode on/off via the air-conditioning menu

Requirements:


- The THERMATIC air conditioning control panel with fine particle prefilter is available.
- The THERMOTRONIC air conditioning control panel with or without fine particle prefilter is available.

Multimedia system:

→ Climate Menu → First Row of Seats


- ▶ Press  in the upper display area of the climate bar.
The interior air will be recirculated.

Air-recirculation mode will automatically switch to fresh air mode after a while.

- ⓘ If air-recirculation mode is switched on, the windows may fog up more quickly. Switch on air-recirculation mode only briefly.
- ⓘ By selecting the fine particle status display  on the climate bar, you can jump directly to the air quality menu.

Switching air-recirculation mode on/off via the climate bar

Requirements:

- The THERMATIC air conditioning control panel without fine particle prefilter is available.
- ▶ Press  on the climate bar on the central display.
The interior air will be recirculated.

Air-recirculation mode will automatically switch to fresh air mode after a while.

- ⓘ If air-recirculation mode is switched on, the windows may fog up more quickly. Switch on air-recirculation mode only briefly.

Activating or deactivating ionization via the air conditioning menu

Multimedia system:

→ Climate Menu → Air Quality

When ionization is activated, the air in the vehicle interior is enriched with negatively charged oxy-

gen ions. These can promote the well-being of the vehicle occupants.

- ▶ Select **Ionization**.

- ⓘ The function can be performed only if AUTO mode is activated or the air distribution is set to the side air vent. The function is restricted if the side air vent on the driver's side is closed.

Fragrance system

Activating/deactivating the fragrance system using the multimedia system

Requirements

- Automatic climate control is activated.
- The glove compartment is closed.
- A flacon is inserted.

Multimedia system:

→ Climate Menu → Air Quality

The fragrance system distributes a pleasant fragrance throughout the vehicle interior from a flacon located in the glove compartment.

- ▶ Navigate down until the climate control bar is active.
- ▶ Select **Fragrance**.
- ▶ Activate or deactivate fragrancing.

■ Setting the fragrance system using the multimedia system

Requirements

- A flacon is inserted.
- The glove compartment is closed.
- Climate control is activated.

Multimedia system:

↳ **Climate Menu** ▶ **Air Quality**

The fragrance system distributes a pleasant fragrance throughout the vehicle interior from a flacon located in the glove compartment.

- ▶ Select **Fragrance**.
- ▶ Keep pressing until the desired intensity is reached.

■ Inserting/removing the flacon of the fragrance system

⚠ WARNING Risk of injury from liquid perfume

If children open the flacon, they could drink the liquid perfume or it could come into contact with their eyes.

- ▶ Do not leave children unattended in the vehicle.
- ▶ Consult a doctor immediately if liquid perfume has been drunk.
- ▶ If liquid perfume comes into contact with your eyes or skin, rinse your eyes with clean water.
- ▶ If symptoms continue, consult a doctor.



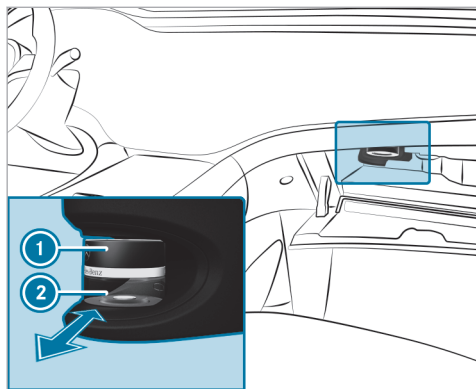
ENVIRONMENTAL NOTE Environmental damage due to improper disposal of full flacons



Full flacons must not be disposed of together with household waste.



Hand in full flacons at a pollutant collection point.



- ① Cap
- ② Flacon

- ▶ **To insert:** slide the flacon into the holder as far as it will go.
- ▶ **To remove:** After opening the glove compartment, wait for approximately seven seconds and pull out the flacon.

If you do not use genuine Mercedes-Benz interior perfumes, observe the manufacturers' safety notes on the fragrance packaging.

Dispose of the genuine Mercedes-Benz interior fragrance flacon when it is empty and do not refill it.

Refillable flacon

- ▶ Unscrew the cap of the empty flacon.
- ▶ Fill the flacon with a maximum of 0.5 fl. oz. (15 ml).
- ▶ Screw the cap back onto the flacon.

Always refill the empty refillable flacon with the same fragrance. Observe the separate information sheet attached to the flacon.


Information on the windshield heater

⚠ WARNING Risk of burns from touching the windshield when the windshield heater is switched on

The windshield can become very hot when the windshield heater is switched on.

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 touch the windshield while the windshield heater is switched on.
- ▶ Allow the windshield to cool down before touching it.

The windshield heater will be switched on automatically if  is activated on the climate bar on the central display.

After the vehicle is started, the windshield heater will be switched on automatically as required.

- ⓘ If the on-board electrical system voltage is low, the function of the windshield heater may be impaired.

Pre-entry climate control when the vehicle is unlocked

■ Function of pre-entry climate control when the vehicle is unlocked

The seats can be briefly pre-heated or pre-cooled before you get into the vehicle.

Depending on the vehicle's equipment, the following functions will be activated as needed during pre-cooling:

- Automatic climate control
- Blower
- Seat ventilation

Depending on the vehicle's equipment, the following functions will be activated as needed during pre-heating:

- Automatic climate control
- Blower
- Seat heating
- Steering wheel heater
- Mirror heater

- Rear window defroster
- Windshield heater
- Wiper park position heater

Depending on the vehicle's equipment, the following functions will also be adjusted during pre-entry climate control if they have already been switched on during regular vehicle operation:

- Fragrancing
- Ionization

■ 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 seat-specific functions of pre-entry climate control (e.g. seat heating) will be performed 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.

■ Activating/deactivating pre-entry climate control when the vehicle is unlocked

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 unlocking cannot be activated more than three times in succession when the vehicle is switched off.

- ▶ **To switch off:** press  on the climate bar on the central display.

The following functions will remain active once the vehicle has been started:

- Seat heating
- Seat ventilation

Depending on the vehicle's equipment, the following functions will also be adjusted during pre-entry climate control if they have already been switched on during regular vehicle operation:

- Fragrancing
- Ionization

Pre-entry climate control for departure time

Pre-entry climate control for departure time function

⚠ 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 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.

The air inside the vehicle can be heated, ventilated or cooled to the set temperature when the vehicle is parked.

When the vehicle is connected to power supply equipment, priority will be given to charging the

high-voltage battery to a specified minimum state of charge.

The running time of pre-entry climate control may be reduced in the following circumstances:

- The vehicle is not connected to power supply equipment.
- The high-voltage battery is not fully charged

With active pre-entry climate control, the state of charge of the high-voltage battery may be reduced, even if the charging cable connector is connected.

If available, seat ventilation will be activated in the cooling and ventilation modes.

If present, the following functions will be activated in heating mode:

- Seat heating
- Steering wheel heater
- Mirror heater
- Rear window defroster
- Windshield heater
- Wiper park position heater

When the set temperature is changed, the climate control mode will automatically be updated. It will be switched from heating mode to ventilation or cooling mode, from cooling mode to ventilation or heating mode or from ventilation mode to heating or cooling mode.

Depending on the vehicle's equipment, the following functions will also be adjusted during pre-entry climate control if they have already been switched on during regular vehicle operation:

- Fragrancing
- Ionization

■ Setting pre-entry climate control for departure time via the climate bar


Multimedia system:

↪ Climate Menu ▶▶ Pre-entry Climate Ctrl.


Setting the departure time

- ① The set departure times are used for the vehicle's pre-entry climate control and for predictions regarding the approximate state of charge and range at the time selected. Addi-

tional information on the charging settings (→ page 229).

- ▶ Select **Edit Departure Time** .
- ▶ Select a departure time or set a new departure time.
- ① If the range maximization function is activated, an approximate time for reaching the desired state of charge will be determined automatically during a charging stop. This will be used as an approximate departure time for pre-entry climate control and will be set automatically. Previously set departure times cannot be changed when the function is active. The automatically determined departure time can be activated or deactivated via the air conditioning menu.

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.


If a departure time is set, a yellow LED will appear on the climate bar of the central display. In addition, an LED on the climate bar will indicate when pre-entry climate control is activated. It will light up blue when the vehicle is being cooled and red when it is being heated.

■ Activating/deactivating pre-entry climate control for departure time

Requirements

- The high-voltage battery is charged sufficiently.
- The function has been activated via the multimedia system.
- ▶ **To activate:** set the departure time (→ page 187).
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 the pre-entry climate control for departure time early:** press  on the climate bar on the central display or switch off the preselection of the time on the climate menu.

Depending on the vehicle equipment, the following functions will remain active once the vehicle has been started:

- Seat heating
- Seat ventilation

Depending on the vehicle's equipment, the following functions will also be adjusted during pre-entry climate control if they have already been switched on during regular vehicle operation:

- Fragrancing
- Ionization

Operating immediate pre-entry climate control via the climate bar

⚠ 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 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.

Requirements

- The vehicle is switched off.

Air conditioning of the vehicle interior can continue for up to 50 minutes, e.g. if the journey is interrupted.

- ▶ Press the  button on the climate bar on the central display.
- ▶ Set the temperature using the  and  arrows on the climate bar on the central display.

An LED on the climate bar on the central display indicates when pre-entry climate control is activated. It will light up blue when the vehicle is being cooled and red when it is being heated.

Air vents

Adjusting the front air vents

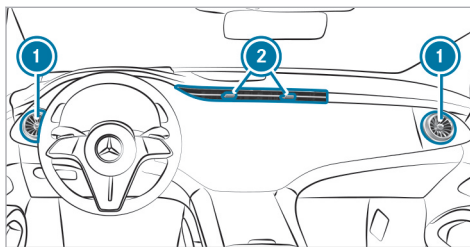
⚠ WARNING Risk of burns or frostbite due to being too close to the air vents

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 grilles free of residue build-up (→ page 403).



- ▶ **To open or close the side air vents:** hold the outer ring of side air vent ① and turn it to the left or right as far as it will go.
- ▶ **To open or close the center air vent:** move controller ② inwards or outwards as far as it will go.
- ▶ **To adjust the airflow direction of the side air vents:** hold the center of side air vent ① and move it up or down or to the left or right.
- ▶ **To adjust the airflow direction of the center air vent:** hold the controller of center air vent ② and move it up or down or to the left or right.

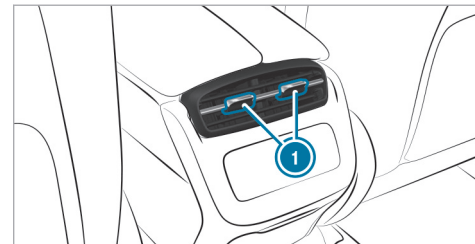
Adjusting the rear air vents

⚠ 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.

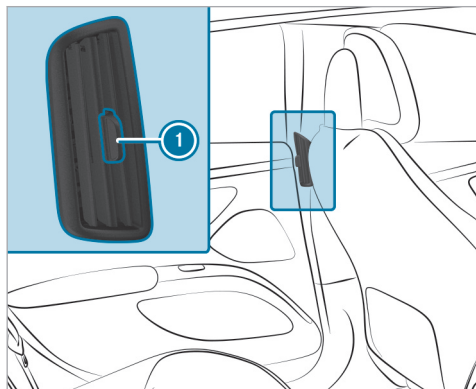
- ▶ Make sure that all vehicle occupants always maintain a sufficient distance from the air vents.
- ▶ If necessary, direct the airflow to another area of the vehicle interior.

Adjusting the rear air vents for the second row of seats



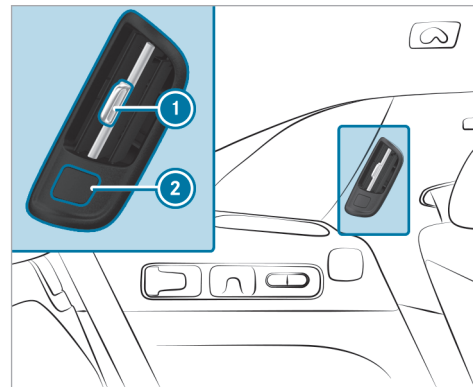
- ▶ **To open or close the rear air vents:** hold the controller of rear air vent ① and move it inwards or outwards as far as it will go.
- ▶ **To set the airflow direction of the rear air vents:** hold controller ① and move it up or down or to the left or right.

Adjusting the side air vents in the rear for the second row of seats



- ▶ **To open or close the side air vents in the rear passenger compartment:** hold the controller of side air vent ① and move it up or down as far as it will go.
- ▶ **To set the airflow direction of the side air vents:** hold controller ① and move it up or down or to the left or right.

Adjusting the side air vents in the rear for the third row of seats



- ▶ **To open or close the side air vents in the rear passenger compartment:** press button ②.
- ▶ **To set the airflow direction of the side air vents:** hold controller ① and move it to the left or right.

Driving

Notes on electric mode

⚠ 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.

- ▶ If there is an unusual smell, smoke or burn marks, stop the charging process immediately.

- ▶ Leave the danger zone immediately. Secure the danger area at a sufficient distance.
- ▶ Call the fire service.

Observe the following notes on vehicle noise emissions and the acoustic vehicle alerting system:

- The vehicle is equipped with an all-electric drive system and produces considerably lower stationary and vehicle noise emissions than a vehicle with a combustion engine.

For this reason the vehicle is equipped with a sound generator, which serves as an acoustic vehicle alerting system (AVAS). This safety device is prescribed by law.

The external noise of the sound generator is perceptible in the vehicle interior when the vehicle is stationary and at low speeds and does not represent a malfunction.

- The sound generator generates stationary noise and speed-dependent vehicle noise

emissions up to a speed of around 25 mph (30 km/h).

This helps other road users, particularly pedestrians and cyclists, to hear your vehicle better.

- When you drive at speeds above 20 mph (20 km/h) the acoustic vehicle alerting system will gradually switch off.
- Despite the sound generator, the vehicle still may not be heard by other road users. Adapt your driving style accordingly.

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 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

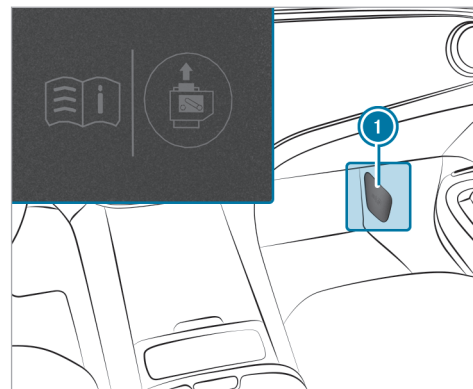
Only disconnect the high-voltage on-board electrical system manually in the following situations:

- The  restraint system warning lamp lights up on 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.

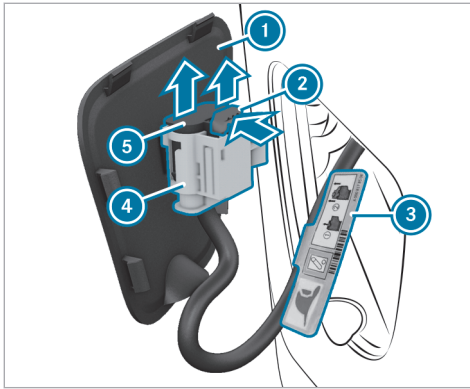
Operating the high-voltage disconnect device

Only disconnect the high-voltage on-board electrical system manually in the above-mentioned situations.

- ▶ Switch off the vehicle.
- ▶ Shift the transmission to position **P**.
- ▶ Apply the electric parking brake.
- ▶ Secure the vehicle against rolling away.



- ▶ Carefully remove cover **1** of the fuse box in the front passenger footwell. The high-voltage disconnect device **4** is on the rear of the cover **1**.



- ▶ Observe additional label ③ for high-voltage disconnect device ④.
- ▶ Press release tab ② on high-voltage disconnect device ④ in the direction of the arrow and pull it out.
- ▶ Pull plug ⑤ in the direction of the arrow until it engages.
The high-voltage on-board electrical system is switched off.

All work on the drive system (including after disconnecting the high-voltage on-board electrical system manually) may only be carried out in a qualified specialist workshop.

Switching on the power supply or the vehicle

⚠ WARNING Risk of accident and injury due to children left unattended in the vehicle

If you leave children unattended 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.

In addition, the children could also set the vehicle in motion by, for example:

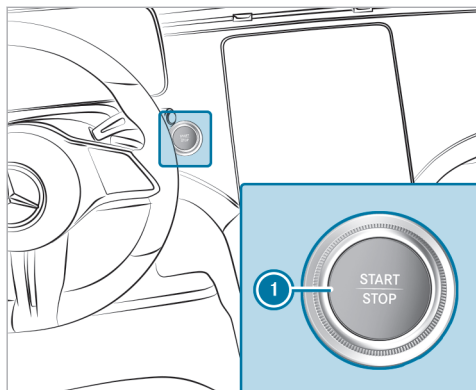
- releasing the parking brake.
- changing the gearbox position.
- starting the vehicle.

- ▶ 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.

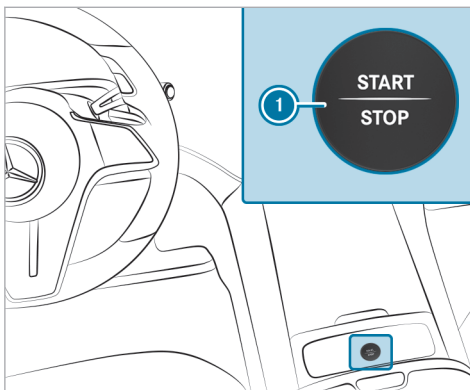
This also applies to the Digital Vehicle Key.

Requirements:

- The key is in the vehicle and is detected.
- **Vehicles with Digital Vehicle Key:** a Digital Vehicle Key with drive authorization is detected.
- The brake pedal is not depressed.



Vehicles with central display



Vehicles with MBUX Hyperscreen

- ▶ **To switch on the power supply:** press button ❶ once.
You can e.g. switch on the windshield wiper.

The power supply will be switched off again if the following conditions are met:

- You open the driver's door.
- You press button ❶ twice more.

- ▶ **To switch on the vehicle:** press button ❶ twice.
Indicator and warning lamps will light up on the driver 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 ❶ once.

Starting the vehicle

▶ Starting the vehicle with the start/stop button

Requirements:

- The key is in the vehicle and is detected.
 - **Vehicles with Digital Vehicle Key:** a Digital Vehicle Key with drive authorization is detected.
- ▶ Shift the transmission to position **P** or **N**.

- ▶ Depress the brake pedal and press button ① once.
 - The vehicle will be started.
 - The **READY** indicator appears on the driver display: the vehicle is ready to drive.
 - ▶ If the vehicle does not start: switch off non-essential electrical consumers and press button ① once.
 - ▶ If the vehicle still does not start and the **Place the Key in the Marked Space See Operator's Manual** display message appears on the driver display: start the vehicle with the key in the marked space (emergency operation mode) (→ page 196).
- 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. The transmission will shift to neutral **N** automatically. When you press button ① again, the vehicle will start again and you can engage drive position **D** again. Be sure to observe the safety notes concerning this under "Driving tips" (→ page 197).

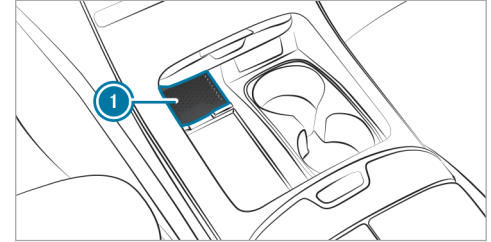
Observe any information regarding display messages that may be shown on the driver display.

■ Starting the vehicle with the Digital Vehicle Key in the storage compartment (emergency operation mode)

Requirements:

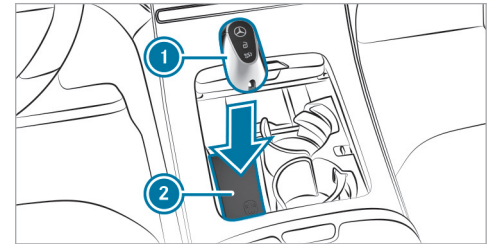
- The vehicle is equipped with the "Digital Vehicle Key" pre-installation.
 - A Digital Vehicle Key with drive authorization is detected.
- ① Alternatively, you can use the vehicle key for emergency operation mode. Mercedes-Benz recommends that you carry the vehicle key as a security measure in the event of functional restrictions.

If the vehicle does not start and the **Searching for Key in Stowage Tray or Digital Vehicle Key in Inductive Charging Bracket...** See Operator's Manual display message appears on the driver display, you can start the vehicle in emergency operation mode.



- ▶ Place the Digital Vehicle Key in the marked space ①.

or



- ▶ Place vehicle the key ① in the marked space ②.
- ▶ Depress the brake pedal and start the vehicle using the start/stop button. It may take a few seconds until the engine starts.
- ▶ When the **Key Not Detected** display message appears on the driver display, press the start/stop button again.

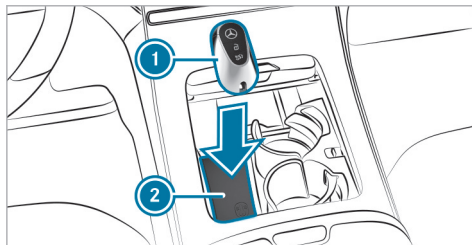
When the **READY** indicator appears on the driver display, the vehicle is ready to drive.

Starting the vehicle with the key in the marked space (emergency operation mode)

This also applies to the Digital Vehicle Key. If the vehicle does not start and the **Place the Key in the Marked Space** See Operator's Manual display message appears on the driver display, you can start the vehicle in emergency operation mode.

Vehicles with Digital Vehicle Key: If the vehicle does not start and the **Searching for Key in Stowage Tray or Digital Vehicle Key in Inductive Charging Bracket...** See Operator's Manual dis-

play message appears on the driver display, you can start the vehicle in emergency operation mode.



- ▶ Make sure that the marked space ② is empty.
- ▶ Remove key ① from the key ring.
- ▶ Place key ① in the marked space ② on symbol. The vehicle will start after a short time. If you remove the key ① from the marked space ②, it will still be possible to continue driving the vehicle. For further engine starts, however, the key ① must be located on the

symbol in the marked space ② during the entire journey.

- ▶ Have the key ① checked at a qualified specialist workshop.

If the vehicle does not start:

- ▶ Place the key ① in the marked space ② and leave it there.
- ▶ Depress the brake pedal and start the vehicle using the start/stop button.
- ⓘ You can switch on the power supply or the vehicle with the start/stop button.

Observe any information regarding display messages that may be shown on the driver display.

Breaking-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 reached only when this teaching-in process has concluded.

- Brake pads, brake discs and tires that are either new or have been replaced achieve optimum braking effect and grip only after the vehicle has been driven several hundred kilometers. Compensate for the reduced braking effect by applying greater force to the brake pedal.

Notes on acceleration increase

- ① Acceleration increase is not available for all models and versions.
- ① This function is an on-demand feature (→ page 29).

When the function is activated, a higher maximum power is available for the vehicle and the acceleration characteristics are improved. This does not change the maximum design speed of the vehicle.

Due to the increased power, there may be changes in the electric range.

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 jeopardize 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 install 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.

⚠ WARNING Risk of accident and injury due to being under the influence of alcohol and drugs while driving

Drinking and driving and/or taking drugs and driving are very dangerous combinations. Even a small amount of alcohol or drugs can affect your reflexes, perceptions and judgment.

The possibility of a serious or even fatal accident are greatly increased when you drink or take drugs and drive.

- ▶ Do not drink or take drugs and drive or allow anyone to drive who has been drinking or taking drugs.

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

- ① Please bear in mind that all speed values stated in this Operator's Manual are approximate and are subject to a certain tolerance.

Observe the notes on driving with a roof load, trailer or fully loaded vehicle.

Driving with a loaded roof luggage rack or trailer, or with the vehicle fully loaded or occupied, will change the handling and steering characteristics of your vehicle.

You should therefore bear the following in mind:

- Do not exceed the permissible roof load and trailer load. Also observe the information in the Technical Data.
- 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 133).
- Drive carefully, avoiding abrupt starts, braking and steering as well as fast cornering.
- If trailer operation is permitted, observe the notes on trailer operation (→ page 322).

Notes on driving on roads treated with de-icing salt

Braking performance will be limited on road surfaces treated with de-icing salt.

You should therefore bear the following in mind:

- Due to salt build-up on the brake disks and linings, braking distances may increase considerably or braking may occur only on one side.
- Maintain a considerable safe distance to the vehicle in front.

Remove salt build-up as follows:

- Brake occasionally, paying attention to the traffic conditions
- Carefully depress the brake pedal at the end of your journey and when starting your next journey

Notes on brake service mode in the event of corrosion on the brake disks

Corrosion may occur on a vehicle's brake disks; for example, as a result of extended idle time, temperature and high humidity or moisture. Aggressive cleaning agents or de-icing salt may also lead to increased corrosion on the brake disks.

Remove the corrosion as follows:

- Activate brake care mode in the multimedia system (→ page 406).
- ① Further information on brake care mode (→ page 406).

Notes on hydroplaning

Hydroplaning 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 hydroplaning may occur:

- Reduce speed.
- Avoid tire ruts.
- Avoid sudden steering movements.
- Brake carefully.
- ① Also observe the notes on regularly checking wheels and tires (→ page 434).

Notes on driving through water on the road

Water entering the vehicle can damage the drive system, electrics and transmission.

Observe the following if you need to drive through water:

- The water, when calm, must reach no higher than the lower edge of the vehicle body.
- Drive at walking pace at most; water may otherwise enter the vehicle interior.
- Vehicles traveling ahead or oncoming vehicles may create waves that cause the water to exceed the maximum permissible depth.

The braking effect of the service brakes will be reduced after fording. The regenerative brake system will not be adversely affected. Brake carefully with the service brake while paying attention to the traffic conditions until braking performance has been fully restored.

Function of rear axle steering

- ① This function is an on-demand feature (→ page 29).

The rear axle steering is an electromechanical auxiliary steering on the rear axle which adjusts the steering of the rear wheels according to the

position of the front wheels, depending on the speed. This results in greater mobility and improved driving stability for the vehicle.

Rear axle steering has the following characteristics:

- reduced steering effort and turning circle resulting in reduced parking effort
- more direct steering resulting in improved control of the vehicle
- improved cornering of the vehicle

Observe the notes on snow chains and snow chain mode (→ page 435).

Notes on off-road driving

⚠ WARNING Risk of accident if you do not keep to line of fall on inclines

If you drive at an angle or turn on an incline, the vehicle could slip sideways, tip and roll-over.

- ▶ Always drive on inclines in the line of fall (straight up or down) and do not turn.

When you drive off road, sand, mud and water, for example, possibly mixed with oil, may get into the brakes. This may lead to a reduction in braking performance or brake failure, including as a result of increased wear. The braking characteristics will vary depending on the material that has entered the system. Clean the brakes after driving off road. If you then notice reduced braking performance or hear scraping noises, have the brake system checked at a qualified specialist workshop. Adapt your driving style to the modified braking characteristics.

The function and set vehicle deceleration of the regenerative brake system will not be affected by this.

! **NOTE** Damage caused by driving over obstacles

The vehicle can be damaged by:

- bottoming out on high curbs or on unpaved trails
- driving at speed over obstacles such as curbs, speed bumps or potholes

- heavy objects impacting the underbody or suspension components
- ▶ Do not drive over obstacles that might damage the vehicle.
- ▶ If driving off-road, regularly check the vehicle and especially the underguard of the high-voltage battery for damage.
- ▶ Adjust your speed to the road conditions.
- ▶ In the event of damage, immediately consult a qualified specialist workshop.

🌿 ENVIRONMENTAL NOTE Environmental damage due to non-observance of prohibition signs

Environmental protection has priority. Treat nature with respect.

- ▶ Be sure to observe prohibition signs.

i The vehicle is designed for easily negotiable and moderate terrain. When driving off road, make sure there is sufficient ground clearance.

The high-voltage battery in particular may be damaged by bottoming out or by impacts on the underbody. Please also observe the notes on operating safety (→ page 31).

Checklist before driving off road


Check the following points before driving off road:

- State of charge of the high-voltage battery
 - Tire-change tool kit and spare wheel if provided
 - Tires and wheels
- i** Further information about special all-terrain tires for retrofitting can be obtained from a qualified specialist workshop.

The off-road menu in the multimedia system can assist you when you are driving off road. Before driving off road, familiarize yourself with its displays and equipment-dependent settings (→ page 369).

Off-road driving

Read this section before driving your vehicle off road. Practice by driving in less challenging terrain first.

- Observe the notes on off-road ABS (→ page 241).
- Select drive program  (→ page 209) before driving off road.

The vehicle will automatically be raised by 1 in (25 mm) to off-road level. To avoid damage to the vehicle, always ensure adequate ground clearance.

- Drive on downhill gradients and embankments only with the vehicle started, and only in **D** or **R**. Observe the notes on driving in mountainous terrain.
- Do not drive in unknown terrain that is not easy to see and stay on marked routes.
- Always keep the doors and windows closed while the vehicle is in motion.
- Deactivate Active Distance Assist DISTRONIC or cruise control.
- Adapt your driving style to the terrain.
- Do not use the HOLD function on steep inclines with slippery or loose surfaces.

Driving on sand

When driving on sand, also observe the following instructions:

- Drive quickly to overcome the rolling resistance. Otherwise, the vehicle may dig itself in.
- Drive in the tracks of other vehicles if possible. Make sure that the following prerequisites are met:
 - The tire ruts are not too deep.
 - The sand is firm enough.
 - The ground clearance is sufficient.

Fording


Also observe the following information when fording:

- Drive no faster than walking pace, and at a maximum of 6 mph (10 km/h) if necessary.
- The water, when calm, should reach no higher than the lower edge of the vehicle body.
- Switch off automatic climate control (→ page 179).
- Ensure that a bow wave does not form as you drive.

- Do not stop in the water.


Driving in mountainous terrain

Also observe the following information when driving in mountainous terrain:

- When driving downhill, use recuperation level  of the regenerative brake system (→ page 203).
- If necessary, activate DSR before driving downhill (→ page 259).

Checklist after driving off road

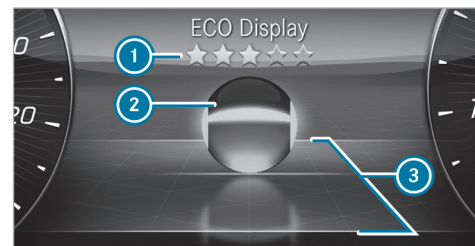
Driving off road places greater demands on your vehicle than driving on normal roads. Whenever you have driven off-road, check the entire vehicle and especially the underguard of the high-voltage battery for damage and foreign bodies. Foreign objects in the wheels or drivetrain can lead to imbalances and therefore vibrations. In the event of damage to the underguard of the high-voltage battery, consult a qualified specialist workshop immediately.


- If the  drive program is selected: select another drive program.



The vehicle will be lowered to the normal level.

- Deactivate DSR.
- Apply the brakes to dry them after fording.
- Check that the service brake is working normally after a long downhill stretch.
- Clean the following components every time after driving off road:
 - license plate
 - headlamps and tail lamps
 - tires, wheels and wheel arches
 - underbody
- After driving through sand, mud, water or gravel, have the following component parts checked and cleaned:
 - brake disks and brake linings
 - tires and wheels
 - axle joints

ECO display function



The ECO display shows an evaluation of your driving style on the driver 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  that will roll forwards or backwards in the direction of travel on a stylized road according to the driving characteristics.

Above and below the road, lines mark the area for an efficient driving style . Ball  will light up in green if it is rolling within these lines. Outside the lines, the ball will light up in orange.

The ECO display assesses the following criteria for an economical driving style:

- Coasting at the right times
- Consistent speed
- Moderate acceleration

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.

- ① You can call up the **ECO Display** function via the **Classic** menu (→ page 329).

Recuperative brake system

■ Function of the regenerative brake system

The recuperative brake system converts the vehicle's kinetic energy into electrical energy during overrun mode and braking.

Depending on the selected recuperation level, the electric motors are 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 pedal 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. Also brake with the service brake if necessary. Always adapt your speed to the driving situation and keep sufficient distance.

- ① 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.

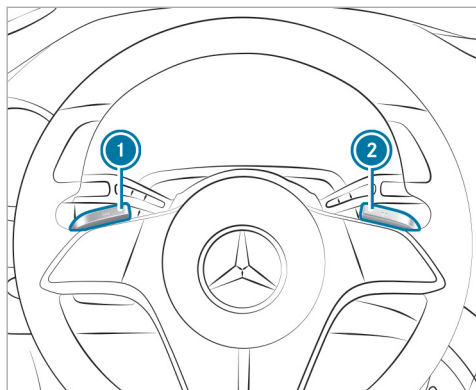
System limits

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

■ Setting recuperative deceleration manually

In transmission position **D**, you can use the steering wheel shift paddles to manually adjust the intensity of recuperation in overrun mode.



The following recuperation levels are available:

- **D AUTO** Intelligent, anticipatory recuperation with ECO Assist (→ page 204)
- **D +** No recuperation: the vehicle glides, rolls freely
- **D** Normal recuperation (standard setting)
- **D -** Increased recuperation: increased deceleration in overrun mode

- ▶ Select transmission position **D**.
- ▶ To **increase recuperation**: Pull the shift paddle **1** briefly.
- ▶ To **reduce recuperation**: Pull the shift paddle **2** briefly.
- ▶ Select **D AUTO**: When **D +** is selected, pull the shift paddle **2** briefly. Otherwise pull and hold the shift paddle **1** or **2**.

i If **D AUTO** is selected, briefly pulling the shift paddle **2** again activates **D +**.

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 stage **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.

i After restarting the vehicle, **D** is automatically set as the recuperation level.

The driver display shows the currently set recuperation level next to the transmission position indicator.

ECO Assist

ECO Assist function

ECO Assist is only an aid. It is not a substitute for you paying attention to your surroundings and does not relieve you of your responsibility pertaining to road traffic law. The driver is responsible for keeping a safe distance from the vehicle in front, for vehicle speed and for braking in good time.

⚠ WARNING Risk of accident if ECO Assist does not provide sufficient deceleration

ECO Assist only brakes your vehicle when you take your foot off the gas pedal. If vehicles are detected late, e.g. after tight curves, or if you do not react immediately to the ECO Assist display, the deceleration may not be sufficient.

- ▶ React promptly to the ECO Assist recommendation and take your foot off the gas pedal.
- ▶ Adjust your speed to the driving conditions and maintain a suitable distance from the vehicle in front.

▶ Brake the vehicle yourself and/or take evasive action.

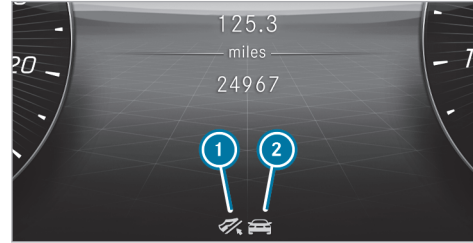
ECO Assist is active only in **D** **AUTO**
(→ page 203).

Depending on the vehicle's equipment, ECO Assist analyzes data for the vehicle's expected route. This allows the system to optimally adjust the driving style for the route ahead, use minimal energy and recuperate as much as possible. If the system has detected an event ahead or a vehicle in front and the vehicle is approaching the event, ECO Assist will calculate an optimized speed profile based on the distance, speed and available route information.

If you release the accelerator pedal in this case, intelligent recuperation will start in overrun mode. If ECO Assist has detected a vehicle traveling in front or a stationary vehicle ahead, it can apply the brakes to bring your vehicle to a standstill. This may be the case, for example, at the end of a traffic jam or if the detected vehicle ahead stops in front of you.


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 pull away again in slow-moving traffic and the distance to the vehicle in front is very short.


Depending on the vehicle equipment and at low speeds, e.g. in a parking garage or on play streets, no adjustment will be made for stationary vehicles and therefore there will be no display.



- ① "Foot off the accelerator" recommendation
- ② Route event ahead

① ECO Assist can also be shown on the head-up display.

If a route event that requires an adjustment of your driving style is detected ahead, corresponding symbol ② and the  symbol (gray) will be displayed.



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  depending on the vehicle's equipment:

-  Traffic circle
-  Sharp bend
-  Intersection
-  T-intersection
-  Downhill gradient
-  Speed limit


ECO Assist can also react to other intersections or intersections if you activate the turn signal indicator in good time.

-  On roads with an obligation to drive in a lane as far to the right as possible, vehicles driving in the lane to your left will also be recognized as vehicles ahead of you.

To enable ECO Assist to react to future route events, the equipment-dependent speed adaptation functions of Active Distance Assist must be active (→ page 258).

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 will be available after you drive off, as soon as the sensor check is completed.

The system may be impaired or may not function in the following situations:

- if there is poor visibility, e.g. owing to insufficient road illumination, highly variable shadows, rain, snow, fog or heavy spray
- if there is glare, e.g. from oncoming traffic, direct sunlight or reflections
- if the windshield is dirty in the vicinity of the multifunction camera
- if the multifunction camera is fogged 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

Function of the haptic accelerator pedal

The haptic accelerator pedal features an additional pressure point to help you drive as efficiently as possible in drive program .

Range maximization

Range maximisation function

The range maximisation function enables a maximum range gain. To achieve this, the function partially or completely switches off convenience systems that are not relevant to driving and activates efficiency-enhancing driving functions.

The range maximisation function controls the restrictions of the following function groups:

- **Climate control**
 - Restricting climate control functions and deactivating front windshield, rear passenger compartment window and mirror heaters
- **Interior**
 - Switching off ambient lighting, displays and certain charging functions
- **Seating comfort**
 - Deactivating the steering wheel heater, seat heating, ventilation and massage programs
- **ECO drive functions**
 - Changing to the **E** drive program, activating ECO Assist and the **D AUTO** recuperation level

If necessary, you can deactivate the restrictions of individual function groups again. This will reduce the maximum range gain by the value specified for the function group.

If you switch on a deactivated function while range maximisation is activated, all restrictions of the corresponding function group will be removed and the maximum range gain will be reduced accordingly. For example, if you switch on the seat heating again, all restrictions on the "Seating comfort" function group will be deactivated.

This does not apply to the "ECO driving functions" group, as the range gain in this case depends mainly on your personal driving style. The activated ECO driving functions help you to drive in an energy-efficient manner. The specified range gain for the ECO drive functions can be achieved only if you observe the driving instructions and recommendations displayed and drive without kickdown.

■ Activating/deactivating range maximization

Multimedia system:

→  » Settings » EQ » Range

- ▶ Activate or deactivate **Maximum Range**. All function groups concerned will be activated or deactivated.

or

▶ Individually activate or deactivate the individual subsystems of the four **Climate Control, Interior, Seat Comfort** and **ECO Driving Functions** function groups.




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.

Depending on the drive program selected, the following vehicle characteristics will change:

- Drive system
- Chassis (→ page 286)
 - Suspension and damping
 - Vehicle level (speed-dependent)
- Steering
- ESP®
- Point of resistance in the haptic accelerator pedal

-  In drive program , an additional point of resistance is activated in the haptic accelerator pedal.
- First point of resistance: at approximately 60% of pedal travel (only in )
 - Second point of resistance: transition to kickdown (always available)

Available drive programs

Individual

- Individual settings for the following vehicle characteristics (→ page 209):
 - Drive system
 - Suspension
 - Steering
 - ESP®

Sport

- Sporty and dynamic driving characteristics
- Suitable only for good road conditions, a dry surface and a clear stretch of road

Comfort


- Comfortable driving style
- Recommended for all road conditions
- Best balance between efficiency and performance for all driving conditions



Eco

- Economical setting of the vehicle functions
- Recommended for all road conditions
- Additional first point of resistance in the haptic accelerator pedal indicates an efficient, economical driving style

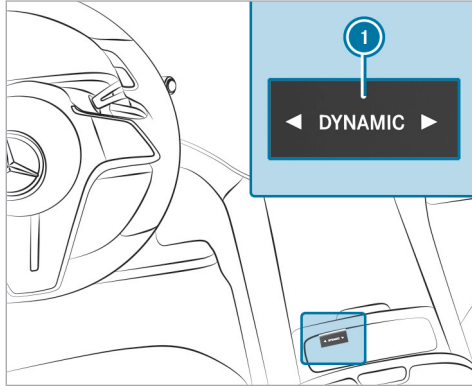
Offroad

- For driving in easy or moderately difficult terrain, e.g. on dirt tracks, loose surfaces, gravel or sand, as well on uneven terrain and unpaved surfaces
- Intervenes later if there is oversteer or understeer, thus improving traction
- Not suitable for use on public roads
- Can be selected up to 62 mph (100 km/h)
- Raises the vehicle to off-road level +1



- Lowers the vehicle to normal level at speeds above 43 mph (70 km/h)
- Below 31 mph (50 km/h): raises the vehicle to off-road level +1 again
- From 68 mph (110 km/h): switches to 

The ESP® settings in drive programs  and  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.

Selecting the drive program



- ▶ Press DYNAMIC SELECT button ① on the left or right. The drive program selected appears on the driver display.

① In the  drive program, some driving systems will be subject to functional restrictions or unavailable. When you select the 


drive program, a confirmation prompt will therefore appear on the central display before the drive program is activated.

Configuring DYNAMIC SELECT in the multimedia system

Multimedia system:

-  ▶▶ Settings ▶▶ Vehicle
- ▶▶ DYNAMIC SELECT

Setting the I drive program


- ▶ Select  Individual.
- ▶ Select and set a category.

Switching the reset display on/off

- ▶ Activate or deactivate Request at Start.
- ① 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.

① The prompt appears only if the previously active settings deviate from the standard settings.

Function off: the next time the vehicle is started the  drive program is set automatically.

Displaying vehicle data

Multimedia system:

-  ▶▶ Info

- ▶ Select Vehicle. The vehicle data is displayed.

Calling up the fuel consumption indicator

Multimedia system:

-  ▶▶ EQ

- ▶ Select Consumption. The current and average fuel consumption will be displayed.

Transmission

DIRECT SELECT lever

Function of the DIRECT SELECT lever

⚠ WARNING Risk of accident and injury due to children left unattended in the vehicle

If you leave children unattended 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.

In addition, the children could also set the vehicle in motion by, for example:

- releasing the parking brake.
- changing the gearbox position.
- 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.

This also applies to the Digital Vehicle Key.

⚠ WARNING Risk of accident- and injury when the transmission position is not engaged

The current transmission position will be highlighted on the driver display.

If the selected transmission position is not highlighted, the vehicle may pull away in the wrong direction or roll away.

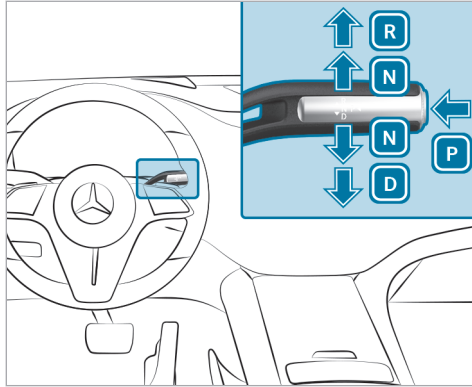
- ▶ After changing the transmission position, always check the transmission position indicator on the driver display.

If the transmission position is not highlighted on the driver 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

- ▶ Depress the brake pedal and push the DIRECT SELECT lever upwards past the first pressure point.

Engaging neutral N

- ▶ Depress the brake pedal and push the DIRECT SELECT lever up or down to the first point of resistance, holding it there until transmission position **N** is shown on the driver display.

Subsequently releasing the brake pedal will allow you to move the vehicle freely, e.g. to push it or tow it.

If you want the transmission to stay in neutral N even when the vehicle is switched off:

- ▶ Start the vehicle.
 - ▶ Depress the brake pedal and engage neutral **N**.
 - ▶ Release the brake pedal.
 - ▶ Switch off the vehicle.
- i** If you then exit the vehicle leaving the key in the vehicle, the transmission will stay in neutral **N**.
- Vehicles with Digital Vehicle Key:** Make sure that a vehicle key or Digital Vehicle Key is in the vehicle and that the automatic transmission stays in neutral **N**.

If the automatic transmission does not stay in neutral **N**:

- Start the vehicle again and repeat the procedure.

Engaging park position P

! **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 park position **P** when the vehicle is stationary.

- ▶ Please observe the notes on parking the vehicle (→ page 231).
- ▶ Depress the brake pedal until the vehicle comes to a standstill.

▶ When the vehicle is stationary, press button **P**.

When the **P** transmission position indicator is displayed, park position is engaged. If the **P** transmission position indicator is not displayed, apply the parking brake and secure the vehicle to prevent it from rolling away.

ⓘ Depending on the situation, it may take a short time until **P** is engaged. Therefore, always pay attention to the transmission position indicator.

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.
- ⓘ To maneuver with the driver's door open, open the driver's door while the vehicle is stationary and re-engage transmission position **D** or **R**.

Engaging drive position D

▶ Depress the brake pedal and push the DIRECT SELECT lever down past the first pressure point.

Function of 4MATIC

The flexible all-wheel distribution of the 4MATIC means the drive is always ideally distributed between both axles. Depending on the situation, only the front axle or only the rear axle can be driven, or the drive can be distributed continuously between both axles.

This means that recuperation can be used even more effectively and the range of the vehicle can be increased (→ page 203).

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. It cannot take into account road, weather or traffic conditions. 4MATIC is only an aid. You are responsible especially for maintaining a safe distance from the vehicle in front, for vehicle speed, for braking in good time and for staying in lane.

ⓘ In wintry road conditions, the maximum effect of the flexible all-wheel distribution can be achieved only if you use winter tires (M+S tires), with snow chains if necessary.

Charge the high-voltage battery

Notes on charging the high-voltage battery

! **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 aging 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 aging of the high-voltage battery:

- Frequent full charging (condition of charge 100%) of the high-voltage battery, in particular without subsequently driving directly afterwards
- Frequent rapid charging with direct current (mode 4)
- Leaving the vehicle idle for lengthy periods at high ambient temperatures

▶ To avoid accelerated aging, please observe the following recommendations when handling the high-voltage battery.

! **NOTE** Damage to the drive system when the high-voltage battery is charged at extreme altitudes

The drive system may be damaged if you charge the high-voltage battery at extreme

altitudes more than 13123.36 ft (4000 m) above sea level.

Continuing the journey may then no longer be possible.

▶ Avoid charging processes at extreme altitudes.

Recommendations when handling the high-voltage battery:

- Every six months, when the outside temperature is above 50 °F (10 °C) park the vehicle overnight with a state of charge below 20 %.
- Rapid-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 charge time increases significantly.
- In case of longer idle times, switch off the vehicle with a state of charge of the high-voltage battery between 30 % and 50 %. Do not permanently connect the high-voltage battery to a power supply.

214 Driving and parking

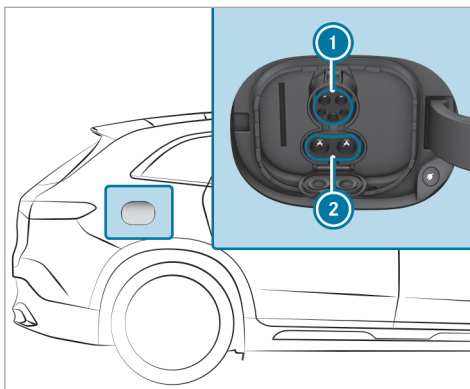
- If leaving the vehicle idle for lengthy periods, avoid high outside temperatures wherever possible.
- Check the high-voltage battery's state of charge every six weeks (→ page 229).
- Make sure to charge the high-voltage battery if the state of charge is below 20 %.
- Do not disconnect the 12 V battery even if the vehicle is left unused for a lengthy period. Otherwise the condition of the vehicle's high-voltage battery cannot be monitored.

You can contribute to reducing the vehicle's energy consumption in the following ways:

- using an anticipatory driving style (→ page 202)
- a reduced use of electrical consumers
- having the vehicle regularly serviced

During the battery service life the charge time of the high-voltage battery may change.

You can charge the high-voltage battery with both alternating current (mode 2 or 3) and direct current (mode 4).



① AC charging port

② Socket extension for DC charging

i When using a CCS charging cable (Combined Charging System) for charging with direct current, both areas of the vehicle socket are covered by the charging cable plug. The lower DC charging socket is protected by a folding cap.

Charging options for the high-voltage battery (mode 2, 3 or 4):

- while on the move, through recuperation
- Stationary AC charging:
 - at a mains socket (mode 2)
 - at a wallbox or charging station (mode 3)
- Stationary DC charging:
 - 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 improved charging power and better charging efficiency offered.

System limits

The power 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 charge current of the charging device
- the charging process settings in the multimedia system (→ page 229)

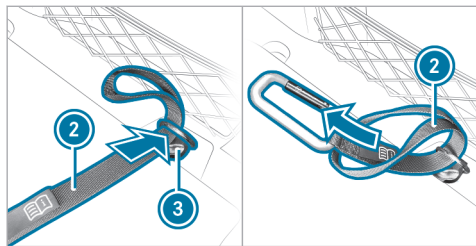
Stowing the charging cable

Always stow the vehicle's charging cable in the charging cable bag provided, and secure the charging cable bag in the trunk or load compartment with the included retaining strap. Otherwise, the charging cable bag with the charging cable is not sufficiently secured.

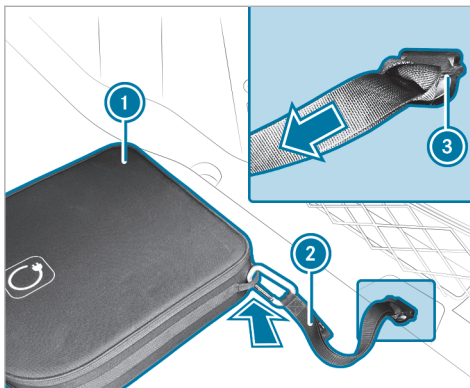


Example: charging cable bag in the trunk/load compartment

As delivered, charging cable bag ① with retaining strap ② is located in the trunk 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 trunk 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 injury from incorrectly installed component parts

Connecting the charging cable to a mains socket using incorrectly installed component parts could cause a fire or an electric 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 an authorized Mercedes-Benz Center 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
- ▶ Never use socket adapters to connect the charging cable to the mains socket. The only exception being if the adapter has been tested and approved by the manufacturer for charging the high-voltage battery of an electric vehicle.
- ▶ Observe the safety notes in the operating instructions 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 the 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 controls hanging loose from a mains socket.

Do not lift the controls by the following component parts:

- the charging cable connector
- the mains plug

When charging, protect the charging cable control element 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 the vehicle using incorrectly installed components could cause a fire or an electric shock, for example.

- ▶ Only connect the charging cable to a wallbox if:
 - The wallbox has been properly installed
 - The wallbox has been inspected by a qualified electrician
 - The charging cable is not damaged
- ▶ Do not extend the charging cable.
- ▶ Do not use adapters.
- ▶ Observe the safety notes in the operating instructions for the wallbox.

⚠ DANGER Risk of fatal injury if damaged component parts are used

If you use a damaged component part to connect the vehicle to a charging station, this may lead to e.g. a fire or electrocution.

- ▶ 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.
- ▶ Do not use adapters. The only exception is if the adapter has been tested and approved for your vehicle by Mercedes-Benz.
- ▶ Be sure to observe the safety instructions on the charging station.

Most charging stations must be activated before the charging process, e.g. using an RFID card or via Plug-and-Charge. Observe the operator's on-site instructions for the charging station and the

notes on Mercedes me Charge (see the vehicle's Digital Operator's Manual).

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 when the vehicle is charging or from auxiliary consumers that are switched on. 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 part to connect the vehicle to a charging station, this may lead to e.g. a fire or electrocution.

- ▶ 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.
- ▶ Do not use adapters. The only exception is if the adapter has been tested and approved for your vehicle by Mercedes-Benz.
- ▶ Be sure to observe the safety instructions on 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 or via Plug-and-Charge. Observe the operator's on-

site instructions for the charging station and the notes on Mercedes me Charge (see the vehicle's Digital Operator's Manual).

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 when the vehicle is charging or from auxiliary consumers that are switched on. Further information on recharge efficiency can be obtained at a qualified specialist workshop.

Maximum permissible charging current for charging at a mains socket

! **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 center and obtain advice there.
- ▶ Check the maximum charging current using the charging capacity shown on the driver's display.

The charging cable supplied is set to a country-specific maximum charging current value. When charging abroad, the maximum value may exceed the permitted value for that country.

- ▶ Before charging at a mains socket, have the maximum permissible charging current for the

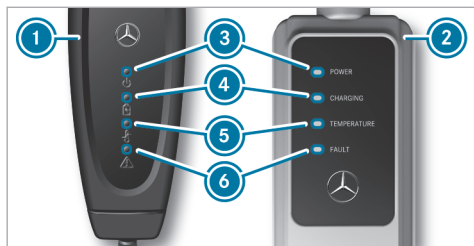
relevant mains socket or the building checked by a qualified electrician.

- ▶ 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

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	Supply voltage is present.

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	<p>The green LED flashes simultaneously: over-temperature – the charging power is reduced.</p> <p>The green LED does not flash: over-temperature – the charging process has finished.</p>
Flashes red	Overtemperature at the mains plug – the charging process is stopped.

Safety system display ⑥ malfunction

Display	Meaning
Flashes red	<p>Charging cable or internal malfunction – Charging not possible</p> <p>Reset charging cable control panel (Gen5 charging cable ①)</p>
Lights up red (Gen5 charging cable ①)	<p>White LED is off: power supply malfunction – charging process not possible, use a different mains socket.</p> <p>White LED is on: vehicle malfunction – charging process not possible, reset the charging cable control panel.</p>

Display	Meaning
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

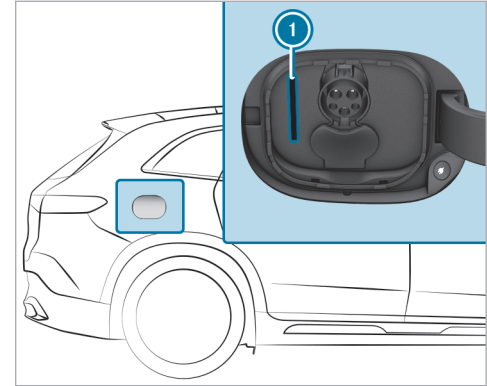
If all four displays light up, the charging cable control panel is performing a self-test.

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, dis-

connect 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 lamp on the vehicle socket

The socket flap is centrally locked and unlocked together with the vehicle.



The color and signaling of status display ① have the following meanings:

Locking status

- Lights up white: vehicle socket unlocked; insert or remove charging cable
- Flashes white: disconnection or malfunction during locking or unlocking

State of charge

- Lights up blue (for approx. 90 s): charging process completed
- Flashes blue: charging; active energy flow
- Lights up orange (for approx. 90 s): break in charging
- Flashes orange: connection is being established
- Flashes red (for approx. 90 s): malfunction in vehicle; charging not possible

i Vehicles with active ambient lighting: when the charging sequence is activated, the state of charge is also accentuated by the ambient lighting (→ page 164).

Starting 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.

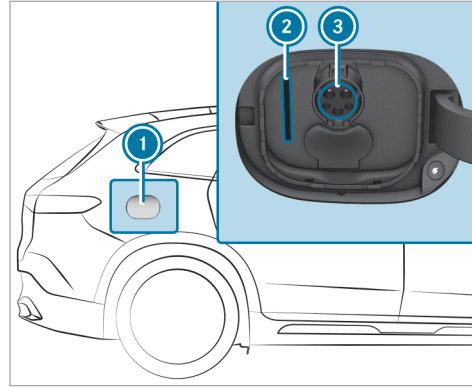
! **NOTE** Damage to the vehicle socket or the charging cable connector due to incorrect handling

Do not use excessive force (maximum 67.4 lbf (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 3 ft (1 m).
- The vehicle has not been started. The **READY** symbol on the driver display is off.
- The charging cable is not under tension.



▶ Open the socket flap **1** via the EQ module of the multimedia system (→ page 341).

or

▶ Press on the center rear of the socket flap **1**. The socket flap **1** swings open and the status display **2** lights up white.

Vehicles with electric socket flap: If an obstacle stops the socket flap during opening, the socket flap closes again automatically.

i When the vehicle is started (icon **READY** on the driver display lights up), the socket flap **1** cannot be opened.

i Only the upper connection **3** is required for the charging cable plug.

▶ For charging at a mains socket insert the mains plug into the mains socket of the external power source to the stop.

▶ Fully insert the charging cable plug into vehicle socket **3**. If the wallbox/charging station is not equipped with a charging cable, insert the plug of the vehicle's charging cable into the wallbox/charging station socket to the stop.

Make sure that the inserted charging cable is not under tension.

The status display **2** flashes orange, and blue as soon as the high-voltage battery is being charged.

i If the charging orchestration for the ambient lighting is activated, the ambient lighting lights up for about 30 seconds analogous to the status display **2** (→ page 164).

When the Sound Experience is switched on, various situations, such as plugging in and unplugging the charging cable or the start of the charging process, are accentuated by selected sounds. For information on Sound Experience, please refer to the Digital Operator's Manual.

Vehicles with electric socket flap: If no charging cable is connected to the vehicle after opening the socket flap, the socket flap closes automatically after about 60 seconds.

When the charging cable is connected to the vehicle, the vehicle cannot be started or moved.

At the start of the charging process, the state of charge indicator is shown on the driver display with a charging prediction. The charging prediction is the point in time at which the high-voltage battery will be fully charged.

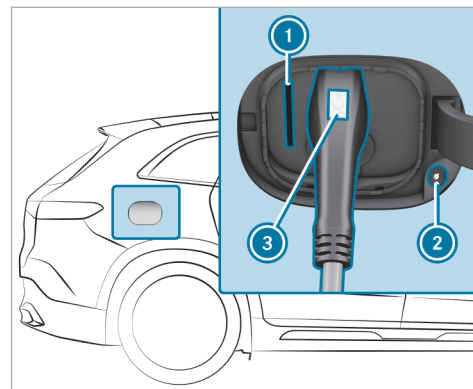
- ① Depending on the temperature, the fan and battery cooling system may audibly switch on during the charging process.
- ① If the vehicle is idle for long periods and connected to the mains supply, the high-voltage battery will be recharged automatically as

needed or when electrical consumers are activated (e.g. pre-entry climate control).


Ending the alternating current charging process (mode 2/3)

Requirements

- The vehicle is unlocked or the vehicle is locked and the distance between the key and the vehicle does not exceed 3 ft (1 m).



- ▶ Press charging interruption button ②. The charging process is ended. Status display ① lights up white. The vehicle socket is unlocked.

- i** Alternatively, it is possible to unlock the vehicle with the vehicle key in order to end the charging process, but only if charging interruption button **2** is not functioning. To do so, press the  button once on the vehicle key. When status display **1** lights up white, the vehicle socket is unlocked for approx. 30 seconds.
- ▶** Press and hold button **3** on the charging cable plug and remove the charging cable plug from the vehicle socket.
- i** 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.
- i** Status display **1** remains lit for some time after the charging cable plug has been removed and then goes out.
- ▶** Close the socket flap.
For vehicles with an electric socket flap, observe the following notes on closing the socket flap.

- ▶** Remove the charging cable plug from the mains socket, or from the socket on the wall-box/charging station, and stow the vehicle's charging cable safely in the vehicle (→ page 215).

The electric socket flap closes automatically in the following situations:

- shortly after the charging cable plug has been removed
- after the socket flap has been tapped in the closing direction
- after transmission position **N**, **D** or **R** has been engaged

Automatic reversing function of the electric socket flap

If an obstacle impedes the electrical socket flap while it is closing, the socket flap will open again automatically.

- ▶** When closing the socket flap, make sure that no body parts or objects are in the range of the closing movement.

Starting 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.

! **NOTE** Damage to the vehicle socket or the charging cable connector due to incorrect handling

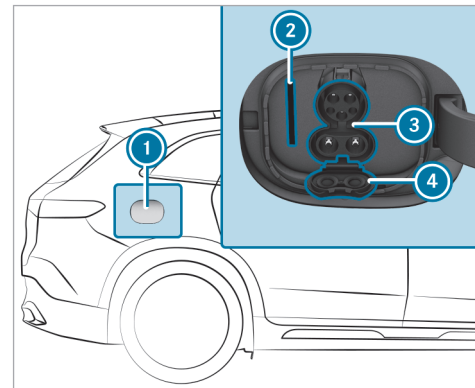
Do not use excessive force (maximum 67.4 lbf (300 N)) to fully insert the charging cable connector into the vehicle socket. You may otherwise damage the vehicle socket, the charging cable connector or their contacts.

- ▶ 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 3 ft (1 m).
- The vehicle has not been started. The **READY** symbol on the driver display is off.
- The charging cable is not under tension.



- ▶ Open the socket flap **1** via the EQ module of the multimedia system (→ page 341).

or

- ▶ Press on the center rear of the socket flap ①. The socket flap ① swings open and the status display ② lights up white.

Vehicles with electric socket flap: If an obstacle stops the socket flap during opening, the socket flap closes again automatically.

- ① When the vehicle is started (icon READY on the driver display lights up), the socket flap ① cannot be opened.
- ▶ Open the socket cover ④ from the lower connection of the vehicle socket ③ until it clicks into place.
- ① For the CCS charging cable plug, both connections of the vehicle socket ③ are required.
- ▶ Fully insert the charging cable plug into vehicle socket ③.
Make sure that the inserted charging cable is not under tension.
The status display ② flashes orange, and blue as soon as the high-voltage battery is being charged.

- ① If the charging orchestration for the ambient lighting is activated, the ambient lighting lights up for about 30 seconds analogous to the status display ② (→ page 164).
When the Sound Experience is switched on, various situations, such as plugging in and unplugging the charging cable or the start of the charging process, are accentuated by selected sounds. For information on Sound Experience, please refer to the Digital Operator's Manual.

Vehicles with electric socket flap: If no charging cable is connected to the vehicle after opening the socket flap, the socket flap closes automatically after about 60 seconds.

When the charging cable is connected to the vehicle, the vehicle cannot be started or moved.

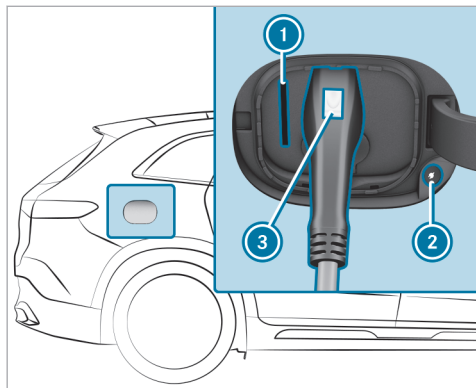
At the start of the charging process, the state of charge indicator is shown on the driver display with a charging prediction. The charging prediction is the point in time at which the high-voltage battery will be fully charged.

- ① Depending on the temperature, the fan and battery cooling system may audibly switch on during the charging process.
- ① 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)

Requirements

- The vehicle is unlocked or the vehicle is locked and the distance between the key and the vehicle does not exceed 3 ft (1 m).



▶ Press charging interruption button ②. The charging process is ended. Status display ① lights up white. The vehicle socket is unlocked.

① Alternatively, it is possible to unlock the vehicle with the vehicle key in order to end the charging process, but only if charging interruption button ② is not functioning. To do so, press the  button once on the vehicle

key. When status display ① lights up white, the vehicle socket is unlocked for approx. 30 seconds.

▶ Press and hold button ③ on the charging cable plug and remove the charging cable plug from the vehicle socket.

The hinged socket cover folds up and seals the lower connection on the vehicle socket.

① 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.

① Status display ① remains lit for some time after the charging cable plug has been removed and then goes out.

▶ Close the socket flap.
For vehicles with an electric socket flap, observe the following notes on closing the socket flap.

The electric socket flap closes automatically in the following situations:

- shortly after the charging cable plug has been removed
- after the socket flap has been tapped in the closing direction
- after transmission position **N**, **D** or **R** has been engaged

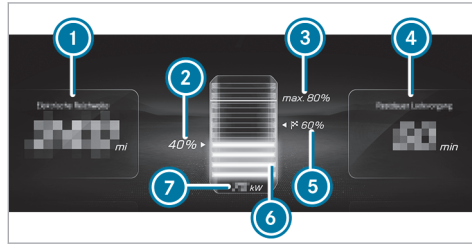
Automatic reversing function of the electric socket flap

If an obstacle impedes the electrical socket flap while it is closing, the socket flap will open again automatically. The automatic reversing function serves solely as an aid and is not a substitute for your attentiveness.

▶ When closing the socket flap, make sure that no body parts or objects are in the closing area.

Function of the charge level display in the driver display

- i** The data in the illustration is shown as an 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 Expected end of charge or remaining time until fully charged (up to the selected maximum state of charge).
- ⑤ State of charge recommended by the range assistant to reach the next destination

- ⑥ Dynamic charge level display
- ⑦ Current charging power

- i** The indicated remaining range ① may vary due to various factors, e.g. driving style or topography.

When the vehicle is switched off and connected to the mains supply, the driver display shows the charge level display for approximately two minutes.

- i** The value of current charging power ⑦ can differ from the display on the charging station. At a charging power of 10 kW or higher, the value in the charge level display is rounded off and shown without a decimal place.

The value in ④ varies depending on the setting of the charging process. It displays the charging prediction, e.g. the time at which the selected charge level will be reached or the state of charge at the pre-selected departure time.

Configuring the charging settings

Multimedia system:



Setting the charging program

- ▶ Select **Home**, **Work** or **Standard**.

Opening and closing the socket flap using the MBUX multimedia system

- ▶ **Open Socket Flap** to open the socket flap.
 - ▶ Press **Cancel Charging** to end the charging process and unlock the charging cable.
 - ▶ Press **Close Socket Flap** to close the socket flap. The socket flap also closes automatically when the transmission is shifted out of position **[P]**. The socket flap also closes automatically after one minute if it has been opened, but no plug has been inserted, and ten to fifteen seconds after the plug has been removed.
- i** Closing the socket flap via the MBUX multimedia system is only available on vehicles with an electric socket flap.

- ❶ Further notes on charging with alternating current: (→ page 222) or direct current: (→ page 225).

Unlocking the charging cable (mode 3 or 4)

- ❶ 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. The charging program is automatically switched when arriving at the address again.

Activating or deactivating ECO charging


- ▶ Activate or deactivate the function.

The **ECO Charging** function limits the charging current at charging stations to conserve the vehicle's battery.

Switching the battery pretempering on or off

- ▶ Select **Battery pretempering**.
- ▶ Activate or deactivate the function.

When driving to a charging station guided by the navigation system, the temperature of the high-voltage battery is controlled in advance so that an optimum charging experience can be realized. In the central display the active advance tempera-

ture control of the battery is displayed with . The display disappears when the temperature level is reached, when the driver interrupts navigation guidance or when the charging plug is inserted.

- ❶ If the battery has to be pretempered, this has consequences for the remaining range of the vehicle. When using the Electric Intelligence Navigation the pretempering is taken into account in the energy prognosis. Further

information on Navigation with Electric Intelligence

Setting the departure time

The set departure times are used for the vehicle's pre-entry climate control and for predictions regarding the approximate state of charge and range at the time selected.

DC charging: the charging process always starts without delay.

AC charging: if the ECO charging function is activated, the charging process pauses and is resumed as late as possible depending on the set state of charge. The charging process is time-based.

- ▶ Select **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 a new departure time.

or

- ▶ Select  and adapt an existing departure time.

Setting repeat days

- ▶ Select **Add New Time** and set a new departure time.
- ▶ Mark the relevant weekdays for which the departure time should apply and confirm with **OK**.



or

- ▶ Select  and edit existing repeat days.

Setting a break in the charging process (alternating current only)

Up to four interruptions in the charging process can be set during which the vehicle is not charged, even if it is connected to a charging station.

- ▶ Select **Charging Pauses**.
- ▶ Select **Add New Time** and then set and save the times for the beginning and end of the interruption.
- ▶ Activate or deactivate the charging breaks that have been set.

Set charging breaks can be edited with the  button or deleted with the  button.

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 curb if it starts moving.
- ▶ Apply the parking brake.
- ▶ Switch the transmission to position **P**.

⚠ WARNING Risk of accident and injury due to children left unattended in the vehicle

If you leave children unattended 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.

In addition, the children could also set the vehicle in motion by, for example:

- releasing the parking brake.
- changing the gearbox position.
- 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.

This also applies to the Digital Vehicle Key.

! **NOTE** Damage to the vehicle due to it rolling away

▶ Always secure the vehicle against rolling away.

! **NOTE** Damage due to the vehicle lowering

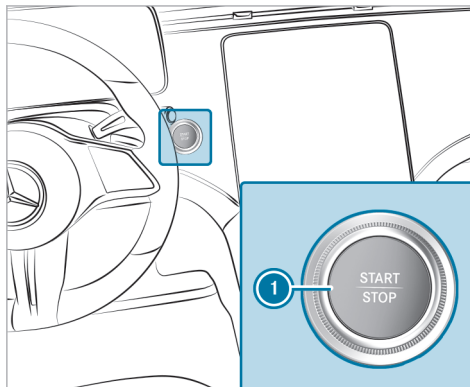
The vehicle can lower because of temperature differences or longer non-operational times. This can cause damage to parts of the body.

▶ When stopping the vehicle and when driving off, make sure that there are no obstacles such as curbs under or in the immediate vicinity of the body.

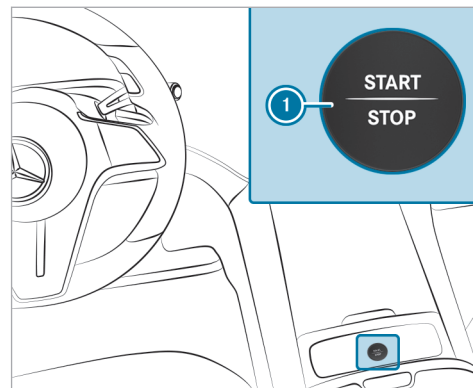
i If you park the vehicle for a long period, observe the following notes:

- Make sure the high-voltage battery has a sufficient state of charge, especially at very low outside temperatures. That way, you can avoid any problems when you subsequently start the vehicle.
- If possible, avoid parking spaces in direct sunlight.

Observe the notes on charging the high-voltage battery (→ page 213).



Vehicles with central display



Vehicles with MBUX Hyperscreen

- ▶ Bring the vehicle to a standstill by depressing the brake pedal.
- ▶ On inclines, turn the front wheels so that the vehicle will roll towards the curb if it starts moving.
- ▶ Apply the electric parking brake.

- ▶ Engage transmission position **P** while the vehicle is stationary and the brake pedal is depressed (→ page 211).
 - ▶ 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 when the driver's door is closed.

Garage door opener

Programming buttons for the garage door opener

⚠ WARNING Risk of injury by becoming trapped when opening and closing a garage door

When you operate or program a garage door with an integrated garage door opener, persons can become trapped or struck by the

garage door if they stand within its range of movement.

- ▶ Always make sure that nobody is within the range of the garage door's movement.

Operate only the following doors using the garage door opener:

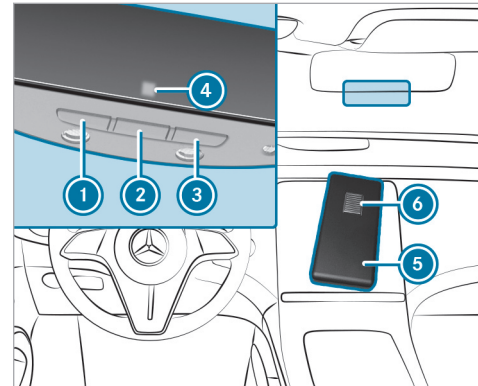
- Doors with a safety stop and reversing function
- Doors that conform to the current US safety standards

Before programming the garage door opener, park the vehicle outside the garage. Make sure that the vehicle is switched on but not started.

Requirements

- The vehicle has been parked outside the garage or outside the range of movement of the door.
- The vehicle is switched on.
- The vehicle is not in **READY** (→ page 194).

- ① The garage door opener function will always be available when the vehicle is switched on.



- ▶ Check whether the transmitter frequency of the remote control has the frequency range of 280 to 868 MHz.

Radio equipment approval number:

- NZLMUAHL5 (USA)
- 4112A-MUAHL5 (Canada)

- ▶ Press and hold button ①, ② or ③ that you wish to program. Indicator lamp ④ will flash yellow.
- ① It may take up to 20 seconds before the indicator lamp flashes yellow.
- ▶ Release the previously pressed button. Indicator lamp ④ will continue to flash yellow.
- ▶ Point the remote control ⑤ from a distance of between 0.4 in (1 cm) and 3 in (8 cm) towards button ①, ② or ③.
- ▶ Press and hold button ⑥ of remote control ⑤ until one of the following signals appears:
 - Indicator lamp ④ lights up green continuously. Programming is complete.
 - Indicator lamp ④ flashes green. Programming was successful. Additionally, the rolling code must be synchronized with the door system.
- ▶ If indicator lamp ④ does not light up or flash green: repeat the process.
- ▶ Release all the buttons.

- ① The remote control for the door drive is not included in the scope of delivery for the garage door opener.

■ Synchronizing the rolling code

Requirements

- The door system uses a rolling code.
 - The vehicle must be within range of the garage door or door drive.
 - The vehicle, as well as persons and objects are located outside the range of movement of the door.
- ▶ Press the programming button on the door drive unit. Initiate the next step within approximately 30 seconds.
 - ▶ Press the previously programmed button ①, ② or ③ repeatedly until the door closes. When the door closes, programming is completed.
- ① Please also read the operating instructions for the door drive.

■ Troubleshooting during programming of the remote control

- ▶ Check whether the transmitter frequency of the remote control ⑤ is supported.
- ▶ Replace the batteries in the remote control ⑤.
- ▶ Hold the remote control ⑤ at various angles in front of the inside mirror from a distance of between 0.4 in (1 cm) and 3 in (8 cm). You should test every position for at least 25 seconds before trying another position.
- ▶ Hold remote control ⑤ at the same angles at various distances in front of the inside mirror. You should test every position for at least 25 seconds before trying another position.
- ▶ Press the button ⑥ on the remote control ⑤ again before transmission ends on remote controls that transmit only for a limited period.
- ▶ Angle the antenna line of the garage door opener unit towards the remote control.

- ❗ It is possible that older garage doors cannot be operated using the remote control in the inside mirror, even after you have successfully performed the measures described above. In this case, contact the HomeLink® Hotline.
- ❗ Support and additional programming information:
 - from the toll-free HomeLink® Hotline on 1-800-355-3515
 - online at <https://www.homelink.com/mercedes>

Opening or closing the garage door

Requirements

- The corresponding button is programmed to operate the door.
- ▶ Press and hold buttons ①, ② or ③ until the door opens or closes.
- ▶ If the indicator lamp ④ flashes yellow after approx. 20 seconds: Press the previously pressed button again and hold pressed until the door opens or closes.

Clearing the garage door opener memory

- ▶ Press and hold buttons ① and ③. Indicator lamp ④ lights up yellow.
- ▶ If indicator lamp ④ flashes green: release buttons ① and ③. The entire memory has been deleted.

Electric parking brake

Function of the electric parking brake (applying automatically)

⚠ WARNING Risk of accident and injury due to children left unattended in the vehicle

If you leave children unattended 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.

In addition, the children could also set the vehicle in motion by, for example:

- releasing the parking brake.
- changing the gearbox position.
- 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.

This also applies to the Digital Vehicle Key.

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.
- ❗ To prevent application: pull the handle of the electric parking brake (→ page 236).

In the following situations, the electric parking brake is also applied:

- The HOLD function is keeping the vehicle stationary.
- Active Distance Assist DISTRONIC is bringing the vehicle to a standstill.
- Active Parking Assist is keeping the vehicle stationary.
- **In addition, one of the following conditions must be fulfilled:**
 - 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 stationary for a lengthy period.

When the electric parking brake is applied, the red indicator lamp lights up on the driver display **PARK** (USA) or **(P)** (Canada).

Function of the electric parking brake (automatic release)

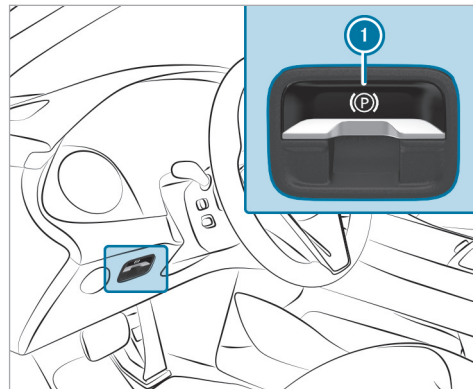
The electric parking brake is released when the following conditions are fulfilled:

- 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 tailgate must be closed.
 - The driver's seat belt is properly fastened.
- If the driver's seat belt is not fastened, the following condition must be met:
- You shift out of transmission position **P**.



When the electric parking brake is released, the red **PARK** (USA) or **(P)** (Canada) indicator lamp on the driver display goes out.

Applying/releasing the electric parking brake manually




Applying








- ▶ Push handle ①.
- The red indicator lamp **PARK** (USA) or **(P)** (Canada) lights up on the driver's display.

- ⓘ The electric parking brake is only securely applied if the red indicator lamp  (USA) or  (Canada) is lit continuously.

Releasing

- ▶ Switch on the vehicle.
- ▶ Pull handle . The red indicator lamp  (USA) or  (Canada) on the driver's display goes out.

Emergency braking

- ▶ Press and hold handle . As long as the vehicle is in motion, the **Release Parking Brake** message is displayed and the red indicator lamp  (USA) or  (Canada) flashes.
- When the vehicle has been braked to a standstill, the electric parking brake is applied. The red indicator lamp lights up on the driver display  (USA) or  (Canada).

Information on collision detection for a parked vehicle

Suppose a collision is detected on the locked vehicle when the tow-away alarm is switched on, and collision detection is switched on. In that case, when the vehicle is switched on, you will receive a message in the multimedia system.

You will receive information about the following points:

- The area of the vehicle that may have been damaged.
- The force of the impact.

The following situation can lead to inadvertent activation:

- For example, the parked vehicle is moved to a two-story garage.
- ⓘ Deactivate the tow-away alarm to prevent inadvertent activation. If you deactivate the tow-away alarm, collision detection will also be deactivated.

You can permanently deactivate collision detection via the multimedia system (→ page 238).

- ⓘ If the battery is heavily discharged, the function for detecting a collision on a parked vehicle is automatically deactivated to facilitate the next engine start.

System limits

Detection may be restricted in the following situations:

- the vehicle is damaged without impact, for example, if an outside mirror is torn off or the paint is damaged by a key
 - an impact occurs at low speed
 - the electric parking brake is not applied
- ⓘ You are responsible for your vehicle. Convince yourself that your vehicle is free of damage and roadworthy.

Setting collision detection for a parked vehicle

Multimedia system:

→  → Settings → Vehicle
 → Open/Close → Vehicle Protection

▶ Activate or deactivate the function via **Collision Notification**.

- ⓘ A maximum of three incidents can be registered. Up to 15 photos are taken for every incident. In the event of another incident, the photos of the first incident will be overwritten if they have not been deleted already.

Activating or deactivating the collision photos function

Please note that legal restrictions regarding automatic recording of the vehicle surroundings may be in place in certain countries.

▶ Activate or deactivate **Collision Photos**.

Transferring the collision photos with the Mercedes me app

▶ Select **Upload Collision Photos**.

or

- ▶ Select **Upload Automatically**.
- ▶ Scan the generated QR code on the central display with the Mercedes me app. The encrypted collision photos will then be uploaded to Mercedes me.
- ⓘ Any device that can scan QR codes can be used to view the collision photos in the Mercedes me app.

Copying the collision photos to a USB flash drive

- ▶ Connect a USB flash drive.
- ▶ Select **Manage Collision Photos**.
- ▶ Select **Copy (USB)**. All collision photos are copied to the USB flash drive.
- ⓘ Only use FAT32 or exFAT formatted USB storage devices to ensure secure operation.

Deleting collision photos

- ▶ Select **Manage Collision Photos**.
- ▶ Select **Delete**. All collision photos are deleted.

Driving and driving safety systems

Driving systems and your responsibility

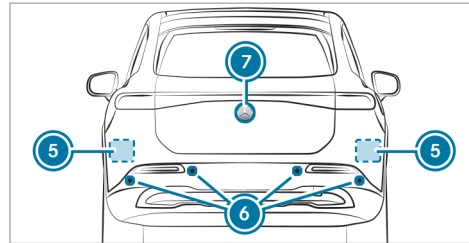
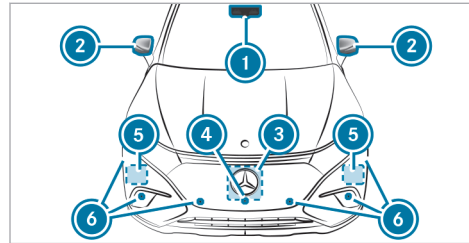
Your vehicle is equipped with driving systems that assist you in driving, parking and maneuvering the vehicle. The driving systems are only aids. They are not a substitute for you paying attention to your surroundings and do not relieve you of your responsibility pertaining to road traffic law. The driver 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 an 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

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 Rear-view camera

⚠ WARNING Risk of accident due to restricted detection performance of vehicle sensors and cameras

If the area around vehicle sensors or cameras is covered, damaged or dirty, certain driving and safety systems cannot function correctly. There is a risk of an accident.

- ▶ Keep the area around vehicle sensors or cameras clear of any obstructions and clean.
- ▶ Have damage to the bumper, radiator grille or stone chipping in the area of the front and rear windows repaired at a qualified specialist workshop.

Keep the areas around the sensors and cameras in particular free of dirt, ice and slush (→ page 409). The sensors and cameras must not be covered and the detection ranges around them must be kept free. Do not attach additional

240 Driving and parking

license plate brackets, advertisements, stickers, wraps or stone 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 on the front and rear windows repaired at a qualified specialist workshop.

- ① The rear-view camera may extend and retract automatically for calibration purposes, even if there is no camera image on the display.

Overview of driving systems and driving safety systems

- ABS (→ page 241)
- BAS (→ page 241)
- ESP® (→ page 242)
- ESP® Crosswind Assist (→ page 243)
- ESP® trailer stabilization (→ page 243)

- EBD (→ page 243)
- STEER CONTROL steering assistance system (→ page 244)
- HOLD function (→ page 244)
- Hill Start Assist (→ page 245)
- Valet Service Mode (→ page 245)
- Beginner Driver Mode (→ page 246)
- ATTENTION ASSIST (→ page 247)
- Cruise control (→ page 249)
- Traffic Sign Assist (→ page 275)
- AIRMATIC (→ page 286)

Driving Assistance Package

- ① The availability of some functions or partial functions of the Driving Assistance Package depends on the equipment or country. The functions of your Driving Assistance Package may differ from the functions listed here. The functions Active Distance Assist DISTRONIC, Active Blind Spot Assist, Active Brake Assist, Active Lane Keeping Assist and Active Emergency Stop Assist are, with

restricted functions, also available without Driving Assistance Package.

- Active Distance Assist DISTRONIC (→ page 251)
- Active Speed Limit Assist (→ page 256)
- Route-based speed adaptation (→ page 256)
- DSR (→ page 259)
- Active Brake Assist (→ page 269)
- Active Steering Assist (→ page 260)
- Active Emergency Stop Assist (→ page 263)
- Active Lane Change Assist (→ page 265)
- Active Stop-and-Go Assist (→ page 258)
- Blind Spot Assist and Active Blind Spot Assist with exit warning (→ page 279)
- Active Lane Keeping Assist (→ page 283)
- PRE-SAFE® Impulse Side (→ page 55)

Parking Package

- ① The availability of individual functions depends on country and equipment.
- Rear-view camera (→ page 288)

- 360° camera (→ page 290)
- Parking Assist PARKTRONIC (→ page 297)
- Active Parking Assist (→ page 301)
- Remote Parking Assist (→ page 307)
- Memory Parking Assist (→ page 314)
- Trailer Maneuvering Assist (→ page 318)


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 tire 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 approx. 3 mph (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 off-road ABS

- ① Off-road ABS is activated automatically when you select drive program .

Off-road ABS is specially adapted for driving off-road:

- The front wheels lock cyclically during braking.
- The braking distance is shortened due to the digging-in effect.

System limits

- Off-road ABS functions at speeds below 25 mph (40 km/h).
- If Off-road ABS intervenes, the ability to steer may be restricted.

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®

⚠ WARNING Risk of skidding if ESP® is deactivated

If you deactivate ESP®, ESP® cannot carry out vehicle stabilization.


▶ ESP® should only be deactivated in the following situations.

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 stabilize the vehicle by intervening in the following ways:

- One or more wheels are braked.
- The drive system 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®.
- Depress the accelerator pedal only as far as is necessary when starting off.

To improve traction, ESP® can be switched off in the following situations:

- When using snow chains.
- In deep snow.
- On sand or gravel.

i 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:

- Warning and indicator lamps (→ page 554)
- Display messages (→ page 478)

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.

If you select drive program  a special ETS/4ETS system specifically suited to terrain is automatically activated.

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 program on ESP®

The drive programs enable ESP® to adapt to different weather and road conditions as well as the

driver's preferred driving style. (→ page 209) Depending on the selected drive program, the appropriate ESP® mode will be activated.

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 operates at vehicle speeds between approximately 50 mph (80 km/h) and 125 mph (200 km/h) when you are driving straight ahead or cornering slightly.
- The system stabilizes the vehicle by applying the brakes to specific wheels on one side.

Function of ESP® trailer stabilization

⚠ WARNING Risk of accident in poor road and weather conditions

In poor road and weather conditions, the trailer stabilization cannot prevent lurching of

the vehicle/trailer combination. Trailers with a high center of gravity may tip over before ESP® detects this.

- ▶ Always adapt your driving style to suit the current road and weather conditions.

When you are driving with a trailer, ESP® trailer stabilization can stabilize your vehicle if the trailer begins to swerve from side to side:

- ESP® trailer stabilization is active above speeds of 40 mph (65 km/h).
- Slight swerving is reduced by means of the brakes being applied to specific wheels on one side.
- In the event of severe swerving, the drive system output will also be reduced and the brakes will be applied to all wheels.

ESP® trailer stabilization may be impaired or may not function if:


- The trailer is not connected correctly or is not detected properly by the vehicle.

Activating/deactivating ESP® (Electronic Stability Program)

Multimedia system:



- ▶ 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 that may be shown on the driver display.

Function of EBD

Electronic Brakeforce Distribution (EBD) is characterized 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 stabilization.

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

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 you are 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 intended only to provide assistance during 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.
- 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 you pull away 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.

Valet service mode

Function of the valet service mode


In valet service mode, the vehicle acceleration is limited to reduce the risk of damage to and improper use of the vehicle when it is handed over to third parties.

Valet service mode is characterized by the following:

- Power output is reduced.
- In principle, a maximum speed of 50 mph (80 km/h) can be reached.
- The sporty drive programs and the  drive program are not available.
- ESP® cannot be deactivated.
- Profiles that are still logged in are logged out and unprotected profiles are secured.

■ Activating/deactivating Valet Service Mode

Requirements:

- For activation: the vehicle is at a standstill.
- For deactivation: park position  is selected.

Multimedia system:

 **Apps** **Valet Service Mode**

- ① This function is an on-demand feature (→ page 29).
- ▶ Activate or deactivate the function.
If Valet Service Mode is activated, an indicator lamp on the driver display will light up.


- ① Valet Service Mode is protected from deactivation by third parties only in conjunction with Mercedes me connect. If the vehicle is linked to Mercedes me connect, only the profile that has activated the mode or the specified main user can deactivate it again.
- ① Valet Service Mode will remain active even following a change of profile or after the vehicle is switched on or off, and must be deliberately deactivated by the authorized users.

■ Beginner driver mode

Function of the beginner driver mode

In beginner driver mode, the vehicle acceleration is limited to increase safety for inexperienced drivers.


Beginner driver mode is characterized by the following:

- Power output is reduced.
- In principle, a maximum speed of 75 mph (120 km/h) can be reached.
- The sporty drive programs and the  drive program are not available.

- ESP® cannot be deactivated.

■ Activating/deactivating Beginner Driver Mode

Requirements:

- For activation: the vehicle is at a standstill.
- For deactivation: park position  is selected.

Multimedia system:

 **Apps** **Beginner Driver Mode**

- ① This function is an on-demand feature (→ page 29).
- ▶ Activate or deactivate the function.
An indicator lamp will light up on the driver display when Beginner Driver Mode is activated.
- ① Beginner Driver Mode is protected against deactivation by a third party only in conjunction with Mercedes me connect. If the vehicle is linked to Mercedes me connect, only the profile that has activated the mode or the specified main user can deactivate it again.

- ⓘ Beginner Driver Mode will remain active even following a change of profile or after the vehicle is switched on or off, and must be deliberately deactivated by the authorized users.

ATTENTION ASSIST

Function of ATTENTION ASSIST

- ⓘ Depending on the respective country and equipment, ATTENTION ASSIST features a microsleep detection sub-function. This function is available only in conjunction with the driver camera on the driver display (→ page 354).

ATTENTION ASSIST assists you on long, monotonous journeys, e.g. on freeways 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 are 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.

If ATTENTION ASSIST is unable to calculate the attention level and therefore cannot issue a warning, the **System Suspended** message appears.


If the driver display shows a warning, the 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.



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 ② of the circle displayed, the higher the detected attention level.
 - Fewer segments ② are displayed in the circle as the attention level decreases.

- Microsleep detection status :
 - **Gray:** Switched on, but will not issue a warning.
 - **Green:** Switched on and will issue a warning.
 - **Deactivated:** Display is hidden.

Microsleep detection


If the system detects signs of microsleep using the driver camera, the warning message **ATTENTION ASSIST Nodding Off Take a Break!** appears on the driver display and a warning tone sounds simultaneously. This warning message must be confirmed by Touch Control. It is recommended that you take a break immediately.

If the driver does not react to the microsleep warning, an emergency stop can be initiated by the system (→ page 263).

System limits

ATTENTION ASSIST is active in the 37 mph (60 km/h) to 124 mph (200 km/h) speed range.

The microsleep detection function is available at a speed of 12 mph (20 km/h) and above.

If the system is unavailable due to a malfunction, 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.
- If ESP® is not available

Microsleep detection will also not function if the driver camera cannot detect the driver's eyes, foreexample as a result of the following factors:

- The driver's eyes are covered due to the steering column position, foreexample.
- Poor ambient light.
- Certain types of eyeglasses or sunglasses.
- The driver's line of vision is outside the driver camera's field of vision.

Observe also the information pertaining to display messages shown 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.
- 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

Setting the sensitivity

- Select  next to ATTENTION ASSIST.
- Select **Standard** or **Sensitive**.

Speed control cruise control

Function of cruise control

Cruise control regulates the speed to the value selected by the driver.

For example, the stored speed will not be 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 15 mph (20 km/h) up to the maximum design speed or up to the speed recommended by Range Assistant.

Observe the notes on driving systems and your responsibility; you may otherwise fail to recognize potential dangers (→ page 238).

Indicators on the driver display

 **Gray:** cruise control is selected but not yet active or temporarily in passive mode.

 **Green:** cruise control is active.

A stored speed will appear below the  display and be indicated on the speedometer.

System limits

Cruise control may be unable to maintain the stored speed on uphill gradients. The stored speed will be resumed when the gradient levels out.

Increase recuperation in good time for long and steep downhill gradients. This is particularly important when you are driving a loaded vehicle. By doing so, you will make use of the electric motor's braking effect to charge the high-voltage battery. 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 that require frequent changes of speed, e.g. in heavy traffic, on winding roads
- on slippery roads. Accelerating may cause the drive wheels to lose traction and the vehicle could then skid.
- when visibility is poor

Operating cruise control

⚠ WARNING Risk of accident due to stored speed

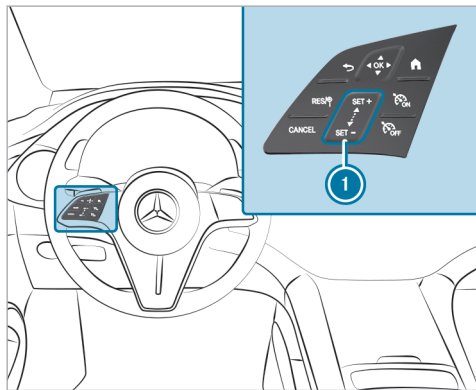
If you call up the stored speed and this is lower than your current speed, the vehicle decelerates.

- Take into account the traffic situation before calling up the stored speed.

Requirements

- The transmission is in position **D**.
- The vehicle speed is at least 15 mph (20 km/h).

- ESP® must be activated, but not intervening.
- Cruise control is selected.



Steering wheel control panel for cruise control

- RES+** Adopts the stored/detected speed
- CANCEL** Deactivates cruise control
- 1 SET+ SET-** Control panel to increase/decrease speed



Switches on cruise control



Switches off cruise control

Switching on cruise control:

- ▶ Press **CRUISE ON**.

Activating cruise control:

- ▶ Press **SET+** or **SET-** on the control panel **1**.
The current vehicle speed will be stored and maintained by the vehicle.

or

- ▶ Press **RES+**.
The last stored speed will be called up and maintained by the vehicle.
The current vehicle speed will be stored if the most recently stored speed has been deleted.

i When you switch off the vehicle, the last speed stored will be deleted.

Increasing/decreasing the stored speed:

- ▶ To increase the stored speed: swipe upwards from the bottom of the control panel **1**.
 - The stored speed will be increased by 1 mph (1 km/h).

- ▶ To decrease the stored speed: swipe downwards from the top of the control panel **1**.
 - The stored speed will be decreased by 1 mph (1 km/h).

or

- ▶ Briefly press **SET+** or **SET-** on control panel **1**.
The stored speed will be increased or decreased to the following values depending on the unit:

- **mph:** the next value ending in 5
- **km/h:** the next value ending in 0

or

- ▶ Accelerate the vehicle to the desired speed.
- ▶ Press **SET-** on control panel **1**.

Adopting a detected speed:

If cruise control is activated and Traffic Sign Assist has detected a traffic sign with a maximum permissible speed and this is shown on the driver display:

- ▶ Press **RES/Ⓢ**.
The maximum permissible speed shown by the traffic sign will be stored and the vehicle will maintain that speed.

Deactivating cruise control

- ▶ Press **CANCEL**.

Switching off cruise control

- ▶ Press **OFF**.

- ⓘ If you brake or deactivate ESP® or if ESP® intervenes, cruise control will be deactivated.

Active Distance Assist DISTRONIC

Function of Active Distance Assist DISTRONIC

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:

- **Vehicles without Driving Assistance Package:**
15 mph (20 km/h) - 100 mph (160 km/h)
 - **Vehicles with Driving Assistance Package:**
15 mph (20 km/h) - 130 mph (210 km/h)
- ⓘ If Active Distance Assist DISTRONIC is active and the range monitor recommends a lower driving speed, this is automatically adopted as the new set speed. If necessary, the set speed can be increased again manually.

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:**

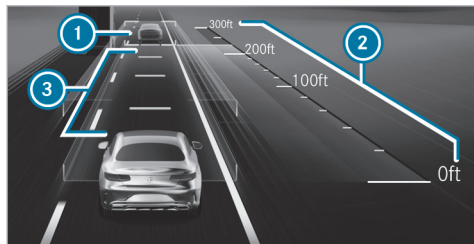
- Reacts to stationary vehicles detected in urban speed ranges (except bicycles and motorcycles)
- Takes one-sided overtaking restrictions into account on freeways or multi-lane roads with separate roadways (country-dependent)

- ⓘ 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 behavior is energy-saving, comfortable or dynamic (→ page 258).

Vehicles with Active Parking Assist and Driving Assistance Package: if Active Distance Assist DISTRONIC has braked the vehicle to a standstill, it can automatically follow the vehicle in front when driving off again within 30 seconds if the system detects that the driver is touching the steering wheel. If a critical situation is detected in the surrounding area when you are driving off, such as a person in the vehicle path, a visual and acoustic warning indicates that the driver must

now take control of the vehicle. The vehicle is not accelerated any further.

Observe the notes on driving systems and your responsibility, otherwise you may fail to recognize potential dangers (→ page 238).




Notification on the driver display in the **Assistance** menu


- 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 free-ways.

Permanent status display

 **Gray:** Active Distance Assist DISTRONIC selected but not yet active


 **Green speedometer, gray 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 grayed 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, foreexample:

- In snow, rain, fog, heavy spray, if there is glare, in direct sunlight or in greatly varying ambient light.
- The windshield in the camera's area is dirty, fogged up, damaged or covered.
- If the radar sensors are dirty or covered.
- In parking garages 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.

⚠ 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.

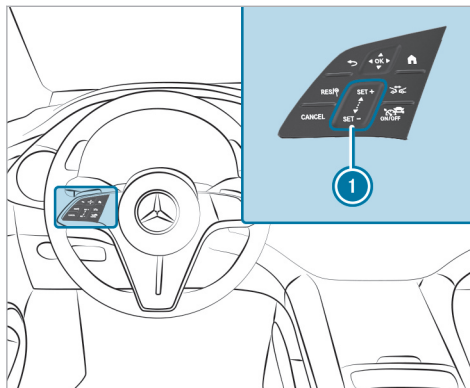
▶ Always observe the traffic conditions carefully and react accordingly.

■ Operating Active Distance Assist DISTRONIC

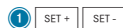
Requirements

- 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.
- The check on the radar sensor system has been successfully completed.
- Snow chain mode is not active (→ page 435).
- DSR is switched off (→ page 260).
- The  drive program is switched off (→ page 207).



Adopts the stored/detected speed
Deactivates Active Distance Assist
DISTRONIC



Control panel to increase/decrease
speed



Increases/decreases the specified
distance





Activates/deactivates Active Dis-
tance Assist DISTRONIC

▶ **To operate Active Distance Assist DISTRONIC:** press the respective button with only one finger or swipe across the control panel.


Activating/deactivating Active Distance Assist DISTRONIC

▶ Press .

Activating Active Distance Assist DISTRONIC



▶ **To activate without a stored speed:** press control panel  on the top **SET+** or bottom **SET-** or press . Remove your foot from the accelerator pedal.

or




▶ **To activate with a stored speed:** press . Remove your foot from the accelerator pedal. The last stored speed will be called up and maintained by the vehicle.

If the stored speed has been deleted, the current vehicle speed will be stored.



Increasing/decreasing the speed

- ▶ To increase the stored speed: swipe upwards from the bottom of the control panel .
 - The stored speed will be increased by 1 mph (1 km/h).
- ▶ To decrease the stored speed: swipe downwards from the top of the control panel .
 - The stored speed will be decreased by 1 mph (1 km/h).

or


- ▶ Briefly press the top  or bottom  of control panel . The stored speed will be increased or decreased by 5 mph (10 km/h).


or

- ▶ Accelerate the vehicle to the desired speed.
- ▶ Press the top  of control panel .


Adopting the speed restriction shown on the driver display

- ▶ Activate the Active Distance Assist DISTRONIC: press ,  or .

- ▶ Adopt the displayed speed restriction: press . The speed restriction shown on the driver display will be adopted as the stored speed. The vehicle will adapt its speed to that of the vehicle in front, but only up to the stored speed, or will limit its speed accordingly.

-  A speed restriction shown on the driver display will be adopted only while the vehicle is in motion, not when it is stationary.



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 will remain active.

Increasing/decreasing the specified distance from the vehicle in front

- ▶ Press . The  indicator will appear. The specified distance will be reduced by one level. If the lowest level is already selected, the selection will jump to the highest level.

Deactivating Active Distance Assist DISTRONIC

 **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 or deactivate ESP® or if ESP® intervenes, Active Distance Assist DISTRONIC will be deactivated.

Function of Active Speed Limit Assist

If a changed speed limit is detected and the automatic adoption of speed limits is switched on, this is automatically adopted as the stored speed (→ page 258). Speed limits below 12 mph (20 km/h) are not accepted.

Adjustment of travel speed is initiated no later than when the vehicle is level with the traffic sign. For signs indicating entry into an urban zone, the speed is adapted according to that permitted within the built-up area. The speed restriction indicator on the driver display is always refreshed when the vehicle is level with the traffic sign.

If you are driving on German freeways with no speed limit, the system uses the speed stored for a stretch of road with no speed limit as the set speed. If you do not alter the stored speed on a stretch of road with no speed limit, the recommended speed of 80 mph (130 km/h) is adopted.

If Active Distance Assist DISTRONIC has been switched to passive mode by pressing the acceler-

ator pedal, only speed limits that are higher than the set speed are adopted.

The maximum permissible speed does not take the road condition and current weather and traffic conditions into consideration. Adjust your speed accordingly when necessary.

Observe the notes on driving systems and your responsibility, otherwise you may fail to recognize potential dangers (→ page 238).

System limits

The system limits of Traffic Sign Assist apply to the detection of traffic signs (→ page 275).

Speed limits below 12 mph (20 km/h) are not automatically adopted by the system as the stored speed. Temporary speed restrictions (e.g. for a specific time or due to weather conditions) cannot be unequivocally detected by the system.

Adjust your speed in these situations.

⚠ WARNING Risk of accident due to adjustment of speed by Active Speed Limit Assist.

The speed adopted by the Active Speed Limit Assist may be too high or incorrect in individual cases:

- At limit speeds below 12 mph (20 km/h)
- In wet or foggy conditions

- ▶ Ensure that the speed being driven always complies with the traffic laws.
- ▶ Adjust the speed being driven to the current traffic and weather conditions.

Function of route-based speed adaptation

When Active Distance Assist DISTRONIC is activated, the vehicle speed will be adapted accordingly to the route events ahead. Depending on the drive program selected, the vehicle will negotiate a route event ahead in an energy-saving, comfortable or dynamic manner. When the route event has been passed, the vehicle will accelerate again to the stored speed. The set distance to the vehicle

in front, vehicles detected ahead and speed restrictions ahead will be taken into account.

Route-based speed adaptation can be activated in the multimedia system (→ page 258).

The following route events will be taken into account:

- Bends
- Traffic circles
- T-intersections
- Turns and exits
- Traffic jams ahead (only with Live Traffic)

Also, the speed will be reduced if the turn signal indicator is switched on and one of the following situations is detected:

- Turning off at intersections
- Driving in slowing-down lanes
- Driving in 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 intersections, traffic circles

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 will be carried out automatically. If the turn signal indicator is switched on, the selected route will be confirmed and further speed adjustment will be activated.

Speed adjustment will be canceled in the following cases:

- If the turn signal indicator is switched off before the route event and it is therefore assumed that the route event is not relevant to 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, e.g. at toll stations
- Wet road surfaces, snow or ice
- If transport equipment, such as a trailer or bicycle rack, is attached to the trailer hitch and the electrical connection has been correctly established.

The driver will need to intervene accordingly in these situations.

⚠ 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.

■ Setting the driving style of 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**.


 Additional information on Active Distance Assist DISTRONIC (→ page 251).

Setting speed adaptation

▶ Select **Adopt Speed Limit** or **Route-based Speed Adaptation**.

When these functions are active, the travel speed is adapted depending on the route events ahead or in accordance with a speed restriction.

-  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

 Additional information on speed adaptation (→ page 256).

■ Function of Active Stop-and-Go Assist

Active Stop-and-Go Assist helps you in traffic jams on multi-lane roads with separated roadways by automatically pulling away within up to 60 seconds and with moderate steering maneuvers. It orients itself using the vehicle in front and lane markings. Active Stop-and-Go Assist automatically maintains a safe distance from the vehicle in front and vehicles cutting in.


Active Stop-and-Go Assist requires you, as the driver, to keep your hands on the steering wheel at all times so that you can intervene at any time to correct the course of the vehicle and keep it in the lane.

Observe the notes on driving systems and your responsibility; you may otherwise fail to recognize potential dangers (→ page 238).

Active Stop-and-Go Assist will activate automatically when all the following conditions are met:

- You are in a traffic jam on a highway or major high-speed road.

- Active Distance Assist DISTRONIC is activated and active (→ page 253).
- Active Brake Assist is available (→ page 269).
- Active Steering Assist is switched on and active (→ page 262).
- You are traveling at a speed no greater than 35 mph (60 km/h).

When Active Stop-and-Go Assist is active, the  status indicator will appear on the driver display.

System limits

The system limits of Active Distance Assist DISTRONIC and Active Steering Assist apply to Active Stop-and-Go Assist.

DSR (Downhill Speed Regulation)

Function of the DSR system


DSR is a downhill driving assist function. It keeps the speed of travel at the selected target speed. The steeper the downhill gradient, the greater the DSR braking effect on the vehicle. On flat


stretches of road and uphill gradients, the DSR brakes the vehicle minimally or not at all.

When DSR is activated and the transmission is in position **D**, **R** or **N**, DSR controls the driving speed. The target speed can be set to a value between 1 mph (2 km/h) and 11 mph (18 km/h). By braking or accelerating, you can drive at a higher or lower speed than the target speed at any time.

DSR will be switched off automatically

- If you are driving at a speed greater than 28 mph (45 km/h)
- If you change the drive program

The  **Off** message will appear on the driver display. The status display in the driver display goes out. You also hear a warning tone.

- ① DSR remains activated in the drive program .

Information on DSR

⚠ WARNING Risk of skidding and accident when DSR is activated on slippery road surfaces

If the driven speed and the target speed differ, the wheels may lose traction.

- ▶ Take into account the road surface and the difference between the driving speed and target speed before activating DSR.

Observe the notes on driving systems and your responsibility; you may otherwise fail to recognize potential dangers (→ page 238).

You are always responsible for keeping control of the vehicle and for assessing whether the downhill gradient can be negotiated. Depending on road surface conditions and tires, DSR may not always be able to maintain the target speed. Select a target speed suitable for the environmental conditions and also apply the brakes yourself if required.


■ Activating or deactivating DSR (Downhill Speed Regulation)

Requirements

- You are driving at 24 mph (40 km/h) or slower.
If the vehicle speed is too high, the **Max. speed 40 km/h** message appears in the driver display.
- Active Distance Assist DISTRONIC, cruise control, variable limiter and recuperation level DAuto are switched off.

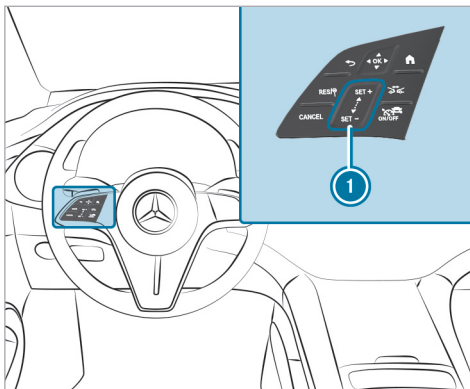
Multimedia system:

→  ► Settings ► Assistance

- Select .
A status display appears when the function is activated in the driver display.


■ Changing the target speed

When DSR is activated, you can change the target speed to a value between 1 mph (2 km/h) and 11 mph (18 km/h).





- To increase the target speed:** swipe upwards from the bottom of the switch panel ①.
 - The target speed is increased by 1 mph (1 km/h).


or

- At the top of the switch panel ①, press .
The target speed is increased in 1 mph (1 km/h) increments.

- To decrease the target speed:** swipe downwards from the top of the switch panel ①.
 - The target speed is decreased by 1 mph (1 km/h).

or

- At the top of the switch panel ①, press  and hold pressed.
The target speed is 1 mph (reduced in 1 km/h) increments.
The set target speed is indicated under the green status display  in the driver display.

 This may then be increased or decreased only when the set target speed is reached.

Active Steering Assist

■ Function of Active Steering Assist






Active Steering Assist is available up to a speed of 130 mph (210 km/h).


The system helps you to stay in the center 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, 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 you are driving outside the center 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

-  **Gray:** 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 gray 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 expect 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 warning tone sounds in addition to the visual warning message. (→ page 263) If the driver does not react to this warning for a considerable period, an emergency stop may be initiated.

The warning is not issued or stops as soon as the system detects the driver touching or steering the steering wheel.

Touch detection may be limited or inoperative if there is no direct contact between the hand and the steering wheel, e.g. when you are 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, otherwise you may fail to recognize potential dangers (→ page 238).

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 ambient light or dense shadows on the road.
- There is glare, e.g. from oncoming traffic, direct sunlight or reflections.
- Insufficient road illumination.
- The windshield is dirty, fogged up, damaged or covered in the vicinity of the camera, e.g. by a sticker.
- 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 intersections.
- 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.
- The roadway is narrow and winding.
- There are obstacles on the lane or projecting out into the lane, such as object markers.
- If transport equipment, e.g. a trailer or bicycle rack, is attached to the trailer hitch and the electrical connection has been correctly established.

The system does not provide assistance in the following conditions:

- On very tight bends and when turning.
- When crossing intersections.
- At traffic circles or toll stations.
- When actively changing lane without switching on the turn signal indicator.
- When the tire pressure is too low.

⚠ 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.

■ 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

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.

Vehicles without Driving Assistance Package: The system is available from a speed of approx. 37 mph (60 km/h).

Vehicles with Driving Assistance package: If Active Steering Assist is switched off, the system is available from a speed of approx. 37 mph (60 km/h).

If the system detects that the vehicle is in danger of leaving the lane, a warning can be issued and an emergency stop initiated.

- 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 vehicle equipment).
- Neither the accelerator nor the brake pedal is depressed.

① Vehicles with Driving Assistance package: 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 while, a warning may be issued despite pedal actuation. Observe also the instructions on the touch detection of Active Steering Assist (→ page 260).



Active Emergency Stop Assist issues the following warnings in order:

- Display message **①** appears on the driver display.
- In addition to the display **①**, a warning tone sounds.
- The **Initiating Emergency Stop** message appears on the driver display, a continuous warning tone sounds and the vehicle will no longer accelerate. Additionally, a slight tensioning of the belt will be generated as required.

- The vehicle speed is reduced in increments until the vehicle comes to a standstill. Sharp brake impulses are also effected.

i Vehicles with Driving Assistance Package: If Active Distance Assist DISTRONIC is active and the driver unfastens the seat belt and opens the driver's door, an emergency stop can be initiated immediately.

Vehicles with Driving Assistance package: If possible, a lane change to the adjacent lane is performed (country-dependent). It is possible to change lanes across one lane and only to the outside lane, not to the hard shoulder.

When automatic braking is initiated, Active Distance Assist DISTRONIC is deactivated. Depending on the respective country, the hazard warning light system is also switched on.

When the vehicle has come 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 center.

Before automatic braking is initiated, you can cancel Active Emergency Stop Assist by turning the steering wheel.

You can cancel an intervention by Active Emergency Stop Assist after automatic braking is initiated by performing one of the following actions:

- Accelerating or braking: the emergency stop is canceled, but the warning message, warning tone and electric power steering remain active
- Steering: electric power steering is canceled, the warning message and warning tone remain active, and the vehicle continues to be braked

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 251)
- Active Steering Assist (→ page 260)
- Active Lane Change Assist (→ page 265)
- Active Lane Keeping Assist (→ page 283)
- Active Brake Assist (→ page 269)

Vehicles without Driving Assistance Package:

Active Emergency Stop Assist is inactive in the following cases:

- Active Lane Keeping Assist has reached a system limit.
-  Active Lane Keeping Assist is switched off (white status display).
-  Active Lane Keeping Assist is not ready (gray status display).

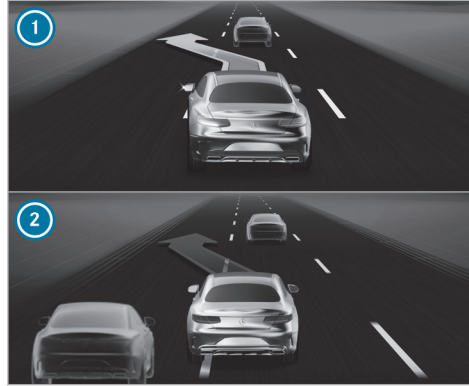
Active Lane Change Assist

Function of Active Lane Change Assist

Active Lane Change Assist is activated via the turn signal indicator, and supports the driver when changing lanes by applying steering torque.


The following conditions must be met for this function:


- You are driving on a freeway or a main road similar to a freeway.
- The travel speed is between approximately 40 mph (65 km/h) and 112 mph (180 km/h).
- A dashed boundary marking separates the adjacent lane.
- No vehicle or obstacle is detected in the adjacent lane.
- Active Lane Change Assist is selected in the multimedia system (→ page 269).
- Active Distance Assist DISTRONIC and Active Steering Assist are switched on and are active.






Notification on the driver display in the menu **Assistance**

- ① Green arrow: lane change initiated
- ② Red arrow: lane change canceled

If Active Lane Change Assist is available, the notification  appears with green arrows on the driver display. If the system has been activated but is not currently available, the notification

 appears with gray arrows on the driver display.

If no vehicle or obstacle is detected in the adjacent lane, and a lane change is permitted, the lane change is initiated as soon as the driver activates the turn signal indicator. The lane change is indicated to the driver by a green flashing arrow next to the steering wheel symbol . In the **Assistance** menu, a green arrow  indicating the respective adjacent lane appears on the driver display. The message **Lane Change to the Left**, for example, also appears.

If it is not possible to change lanes immediately after switching on the turn signal indicator because, for example, an obstacle has been detected, the arrow next to the steering wheel symbol  also flashes green. The adjacent lane continues to be monitored. When the lane becomes accessible, a lane change is carried out and the **Lane Change to the Left** message, for example, appears on the driver display. When the green arrows stop flashing, activate the lane change again.

Active Lane Change Assist can be canceled in the following situations, for example:

- The environmental conditions change (e.g. obstacle detected).
- The driver steers too hard or in the opposite direction.
- The driver switches on the turn signal indicator in the opposite direction.
- Active Distance Assist DISTRONIC or Active Steering Assist are deactivated.
- The lane change cannot be executed by the vehicle as planned.

A cancellation of Active Lane Change Assist is displayed as follows:

- The arrow in the selected direction of travel turns red.
- A corresponding message appears on the driver display.
- In certain circumstances a warning tone sounds.

⚠ WARNING Risk of accident when changing lane to an occupied adjacent lane

Lane Change Assist cannot always clearly detect if the adjacent lane is free.

The lane change might be initiated although the adjacent lane is not free.

- ▶ Before changing lanes, make sure that the neighboring lane is free and there is no danger to other road users.
- ▶ Monitor the lane change.

⚠ WARNING Risk of accident if Lane Change Assist unexpectedly stops functioning

If the system limitations for Lane Change Assist have been reached, there is no guarantee that the system will remain active.

Lane Change Assist cannot then assist you by applying steering torque.

- ▶ Always monitor the lane change and keep your hands on the steering wheel. Observe the traffic conditions and steer and/or brake if necessary.

Automatic Lane Change

Automatic Lane Change is a sub-function of Active Lane Change Assist. It can assist the driver in deciding when a lane change is appropriate, as well as its subsequent execution.

⚠ WARNING Risk of accident due to incorrectly triggered lane change

The system cannot always clearly recognize all situations in which a lane change is appropriate.

The system can initiate a lane change even though the traffic situation is not suitable or the neighboring lane is not available, not usable or occupied.

- ▶ Always monitor the traffic situation.
- ▶ If necessary, cancel the lane change by holding the steering wheel or countersteering slightly and return the vehicle to its own lane.

You can cancel a lane change initiated by the system at any time by holding the steering wheel or

countersteering slightly and returning the vehicle to its lane.

The following conditions must be fulfilled for an automatic lane change:

- The conditions for activating Active Lane Change Assist are fulfilled.
 - Automatic Lane Change is switched on in the multimedia system (→ page 269).
 - You are driving on a freeway, or a main road similar to a freeway, in a country for which this function is approved.
 - The road currently being traveled allows lane changes. There are no tight bends, for example.
 - The travel speed is between approximately 40 mph (65 km/h) and 85 mph (140 km/h).
- i** If you are not in a country for which this function is approved, the menu item for automatic lane change is not available in the multimedia system.

Active Lane Change Assist can initiate an automatic lane change in the following situations, for example:

- The set desired speed for Active Distance Assist DISTRONIC cannot be reached due to a slower vehicle in front.
- There is little traffic, and the set desired speed for Active Distance Assist DISTRONIC can also be achieved in a slower lane.
- A lane change is necessary in order that the route entered in the navigation system, or the road currently being navigated can be followed. The lane change can already take place before the prompt to do so appears in the navigation system.
- The system detects that the lane being traveled in is about to end.
- You are in the slowest speed lane.

In the following situations in particular, Active Lane Change Assist does not perform an automatic lane change:

- If the vehicle is already in a lane that should be used to follow the route entered in the navigation system.
- On some route sections, no lane change is initiated to the slowest speed lanes.
- The system detects that the adjacent lane is about to end.
- If the driver has canceled Automatic Lane Change, no lane change will be initiated in this direction for a certain period of time. Automatic Lane Change is then temporarily switched to passive mode for this direction.
- If the driver has initiated a lane change in a given direction or has changed lanes themselves, no lane change is initiated in the opposite direction for a certain period of time. Automatic Lane Change is then temporarily switched to passive mode for this direction.



The same cancellation conditions apply to the automatic lane change as for the lane change ini-

tiated by the driver with Active Lane Change Assist.

In addition, Automatic Lane Change can be canceled under the following circumstances in particular:

- During the lane change, the system detects a construction site separated by traffic cones, in its own or in the adjacent lane.
- The system recognizes that the reason for a lane change no longer exists.


Notifications on the driver display

If Automatic Lane Change is available, in place of the notification , the notification  appears in green.

If Automatic Lane Change is available but not all conditions for activating the function are currently fulfilled, the **A**- symbols are shown in gray. Depending on the respective country, only an **A** can be shown in gray. Automatic Lane Change is then temporarily switched to passive mode for this direction. This will be implemented, for example, if the driver has canceled Automatic Lane Change or has initiated a lane change themselves.

If the system deems a lane change appropriate and has to adjust the travel speed accordingly, the green **A** flashes on the side to which a lane change is to take place.

When the automatic lane change is initiated, the driver display shows a vehicle with an arrow pointing to the adjacent lane in which the lane change is to take place, and a warning tone sounds. In addition, the reason for a lane change, for example an overtaking maneuver, can be shown.

If Automatic Lane Change is canceled,  the **A** on the side to which a lane change was to take place is shown in red on the display. Under certain circumstances, warning messages can also be displayed and an additional warning tone sounded.

System limits

For Active Lane Change Assist, the system limits of Active Steering Assist (→ page 260) apply.


In addition, the system may be impaired or inoperative in the following situations:

- The sensors are damaged, covered or dirty (→ page 239).

- The exterior lighting indicates a defect.
- The system does not recognize a suitable road, e.g. in narrow bends.
- The vehicle is within a construction site.

Automatic Lane Change may be inoperative or impaired in the following situations in particular and may lead to lane changes being initiated erroneously:

- The vehicle is before or within a construction site and/or the system has detected a construction site separated by traffic cones.
- The vehicle is within a section with temporary lane closures or lane openings.
- The system can no longer detect the lane marking correctly.
- It is raining heavily.
- Another vehicle changes to the same lane simultaneously, e.g. incoming traffic from slip roads.

- ① Active Lane Change Assist sensors adjust automatically while a certain distance is being driven after the vehicle has been delivered. Active Lane Change Assist is unavailable during this teach-in process, and no arrows are displayed next to the Active Steering Assist symbol .

Observe the notes on driving systems and your responsibility; you may otherwise fail to recognize potential dangers (→ page 238).

■ Setting Active Lane Change Assist

Multimedia system:

→  >> Settings >> Assistance
>> Driving

- ▶ Select **Active Lane Change Assist**.
- ▶ Select between the **On** or **Off** setting options.

The **Also Automatically** setting option can likewise be activated or deactivated.


- ① If **Active Steering Assist** has been switched off, it will not be possible to operate **Active Lane Change Assist**.

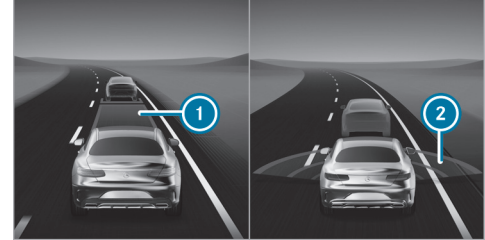
Active Brake Assist

■ Function of Active Brake Assist

Active Brake Assist consists of the following functions:

- Collision warning
- Autonomous braking function
- Situation-based brake force boosting
- **Vehicles with Driving Assistance Package:** Evasive Steering Assist
- **Vehicles with Driving Assistance Package:** Intersection start-off function

Active Brake Assist can help you to minimize 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 will sound and the  distance warning lamp will light up.



Indicator on the **Assistance** menu on the driver display


- ① Distance insufficient
- ② Red radar waves

On the **Assistance** menu, an insufficient distance to the vehicle in front ① will be displayed in red. If you reduce the distance further, the vehicle in front will also be highlighted in red. When the system detects a risk of collision, red radar waves ② will appear in front of your vehicle.

- ① **Vehicles with PRE-SAFE®:** depending on the country, an additional haptic warning will occur in the form of slight, repeated tensioning of the driver's seat belt.

i **Vehicles with active ambient lighting:** if **Warning Support** is activated, the Active Brake Assist warning will also be accompanied by ambient lighting (→ page 164).

If you do not react to the warning, autonomous braking may be initiated in critical situations.

In particularly critical situations, Active Brake Assist may also initiate autonomous braking directly. In this case, the warning tone and  distance warning lamp will be activated at the same time as brake application.

If you apply the brakes yourself in a critical situation or apply the brakes during autonomous braking, situation-dependent brake force boosting will occur. The brake pressure will increase up to maximum emergency braking if necessary.



If autonomous braking or situation-dependent brake force boosting has occurred, pop-up **1** will appear on the driver display and then automatically disappear after a short time.

If the autonomous braking function or the situation-based braking assistance is triggered, additional preventive measures for occupant protection may also be initiated by PRE-SAFE®.

⚠ 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 will appear on the driver display.

If the system is unavailable owing to dirty or damaged sensors or a malfunction, or if the functions are restricted, the Active Brake Assist  warning lamp will appear on the driver display.

Also observe the system limits of Active Brake Assist.

The individual subfunctions are available in the following speed ranges:

Collision warning

The collision warning function can assist you in the following situations from approximately 4 mph (7 km/h) with an intermittent warning tone and the  distance warning lamp.

Vehicles without Driving Assistance Package:

- at speeds up to approximately 155 mph (250 km/h) when approaching moving vehicles ahead.
- at speeds up to approximately 50 mph (80 km/h) when approaching stationary vehicles, pedestrians walking along the road and moving cyclists ahead.
- at speeds up to approximately 43 mph (70 km/h) when approaching crossing pedestrians and cyclists.
- at speeds up to approximately 37 mph (60 km/h) when approaching stationary pedestrians and cyclists.

Vehicles with Driving Assistance Package:

- at speeds up to approximately 155 mph (250 km/h) when approaching moving vehicles ahead.
- at speeds up to approximately 75 mph (120 km/h) when approaching crossing vehicles, pedestrians and cyclists.
- at speeds up to approximately 62 mph (100 km/h) when approaching stationary vehicles.
- at speeds up to approximately 50 mph (80 km/h) when approaching moving cyclists ahead.
- at speeds up to approximately 43 mph (70 km/h) when approaching stationary pedestrians and cyclists.

Autonomous braking function

From a speed of approximately 4 mph (7 km/h), the autonomous braking function may intervene in the following situations:

Vehicles without Driving Assistance Package:

- at speeds up to approximately 155 mph (250 km/h) when approaching moving vehicles ahead.
- at speeds up to approximately 50 mph (80 km/h) when approaching moving cyclists ahead, pedestrians walking along the road and stationary vehicles.
- at speeds up to approximately 43 mph (70 km/h) when approaching crossing pedestrians and cyclists.

Vehicles with Driving Assistance Package:

- at speeds up to approximately 155 mph (250 km/h) when approaching moving vehicles ahead.
- at speeds up to approximately 75 mph (120 km/h) when approaching crossing vehicles, pedestrians and cyclists.
- at speeds up to approximately 62 mph (100 km/h) when approaching stationary vehicles.

- at speeds up to approximately 50 mph (80 km/h) when approaching moving cyclists ahead.
- at speeds up to approximately 43 mph (70 km/h) when approaching stationary pedestrians and cyclists.

Situation-based brake force boosting

From a speed of approximately 4 mph (7 km/h), situation-related brake force boosting may intervene in the following situations:

Vehicles without Driving Assistance Package:

- at speeds up to approximately 155 mph (250 km/h) when approaching moving vehicles ahead.
- at speeds up to approximately 50 mph (80 km/h) when approaching moving cyclists ahead, pedestrians walking along the road and stationary vehicles.
- at speeds up to approximately 43 mph (70 km/h) when approaching crossing pedestrians and cyclists.

- at speeds up to approximately 37 mph (60 km/h) when approaching stationary pedestrians and cyclists.

Vehicles with Driving Assistance Package:

- at speeds up to approximately 155 mph (250 km/h) when approaching moving vehicles ahead.
- at speeds up to approximately 75 mph (120 km/h) when approaching crossing vehicles, pedestrians and cyclists.
- at speeds up to approximately 62 mph (100 km/h) when approaching stationary vehicles.
- at speeds up to approximately 50 mph (80 km/h) when approaching moving cyclists ahead.
- at speeds up to approximately 43 mph (70 km/h) when approaching stationary pedestrians and cyclists.

Canceling brake application by Active Brake Assist

You can cancel brake application by Active Brake Assist at any time by:


- Fully depressing the accelerator pedal or with kickdown.
- Releasing the brake pedal.

Active Brake Assist may cancel brake application 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.

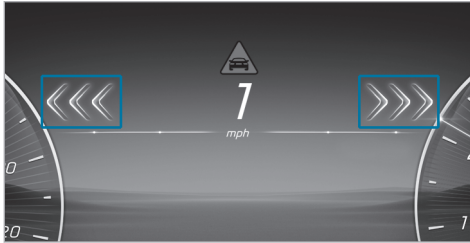
Reaction to oncoming road users (vehicles with Driving Assistance Package only)


Active Brake Assist can also react to detected oncoming road users:


- Reaction up to a speed of approximately 62 mph (100 km/h)
- Warning of oncoming road users through warning tone and distance warning lamp 

- Autonomous braking application in order to reduce the severity of an accident

Intersection start-off function (vehicles with Driving Assistance Package only)




If a risk of collision with crossing traffic is detected when you are pulling away or driving at walking pace, three red arrows pointing in the direction of the crossing road user will light up one after the other on the driver display together with the distance warning lamp . If the situation is particularly critical, the arrows will begin to flash. A warning tone will also sound. If you do not react to the warning, acceleration may be restricted or autonomous braking may be initiated in critical

situations. Autonomous braking can also prevent the vehicle from pulling away and hold it at a standstill. In particularly critical situations, Active Brake Assist may also initiate autonomous braking directly. In this case, the  distance warning lamp and warning tone will occur at the same time as brake application.

If autonomous braking or situation-dependent brake force boosting has occurred, a pop-up will appear on the driver display and then automatically disappear after a short time.

If Active Brake Assist is set to **Late**, the purely visual warning level and restriction of acceleration will be deactivated. If the situation is particularly critical, it is still possible for a visual warning to be issued, a warning tone to be emitted and autonomous braking to be initiated.

Evasive Steering Assist

 **WARNING** Risk of accident despite Evasive Steering Assist

Evasive Steering Assist cannot always recognize objects or complex traffic situations clearly.

Moreover, the steering support provided by Evasive Steering Assist is not sufficient to avoid a collision.


- ▶ Always pay careful attention to the traffic situation; do not rely on Evasive Steering Assist alone.
- ▶ Be prepared to brake or swerve if necessary.
- ▶ End the support by actively steering in non-critical situations.
- ▶ Drive at an appropriate speed if there are pedestrians close to the path of your vehicle.

Evasive Steering Assist has the following features:

- Detection of pedestrians, cyclists and vehicles.
- Help through additional steering assistance if it detects an evasive maneuver.
- Activation by an abrupt steering movement during an evasive maneuver.
- Assistance in taking evasive action and straightening the vehicle.
- Reaction from a speed of approximately 12 mph (20 km/h) up to a speed of approximately 68 mph (110 km/h).

You can cancel steering assistance by Evasive Steering Assist at any time by countersteering.

System limits

Full system performance will not be available for a short time after you switch on the vehicle or drive off. As long as the functions are restricted, the  Active Brake Assist warning lamp may also be shown on the driver display. 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 in the following situations in particular:

- In snow, rain, fog, heavy spray, glare, in direct sunlight or in greatly varying ambient light.
- If the sensors are dirty, fogged up, damaged or covered. (→ page 239)
- If the sensors are impaired owing to interference from other radar sources, e.g. intense radar reflections in parking garages.
- If a loss of tire pressure or a defective tire has been detected and displayed.
- In complex traffic situations where objects cannot always be clearly identified.
- If pedestrians, cyclists or vehicles move quickly into the sensor detection range.
- If road users are hidden by other objects or are located close to other objects.
- If the typical outline of a pedestrian or cyclist cannot be distinguished from the background.
- If a pedestrian or cyclist is not detected as such, e.g. owing to special clothing or other objects.

- If the driver's seat belt is not fastened.
- On tight bends.


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**.

Traffic Sign Assist

■ Function of Traffic Sign Assist

- ⓘ This function is an on-demand feature (→ page 29).

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 assists you by displaying detected speed limits and overtaking restrictions on the driver display.

Speed limits can also be shown on the head-up display.

The system can issue a warning when you exceed the speed limit.

In some countries, the system can provide you with further functions and warn you when you are approaching pedestrian crossings or when you are about to drive past stop signs or red lights unintentionally.

The camera also detects and analyzes traffic signs with a restriction indicated by an additional sign (e.g. in wet conditions).

Traffic Sign Assist shows only selected signs on the driver display. Actual traffic signs and speed limits have priority over traffic signs and speed limits shown on the driver display.

Observe the notes on driving systems and your responsibility; you may otherwise fail to recognize potential dangers (→ page 238).

Notes on trailer operation

- ⓘ Observe also the notes on trailer operation (→ page 322).

If a trailer or bicycle rack is connected correctly, the central display will show the query concerning the type of trailer and its maximum permissible speed (→ page 325).

It is the driver's responsibility to manually adjust the maximum permissible speed in the **small or large trailer** category.

In particular, the country-specific laws must be taken into account, e.g. regarding:

- maximum design speed or speed restriction for which the vehicle is approved
- gross vehicle weight rating with or without towing vehicle
- required number of years with a corresponding driving license
- type and condition of the road used
- the weather conditions

The maximum permissible speed adapted to the car/trailer combination can be transferred to manual or automatic speed adoption during a journey (equipment-dependent).

The system can take relevant additional signs for speed limits and clear traffic rules pertaining to the road category into account for the car/trailer combination (country-dependent).

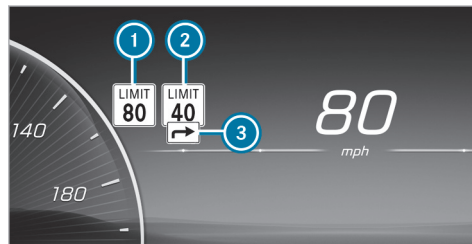
No maximum permissible speed can be selected for a bicycle rack in the multimedia system. When using a bicycle rack, observe the specifications for the maximum permissible speed in the Operator's Manual.

Also observe the following information:

- 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 recognize potential dangers (→ page 238).

Indicators on the driver display



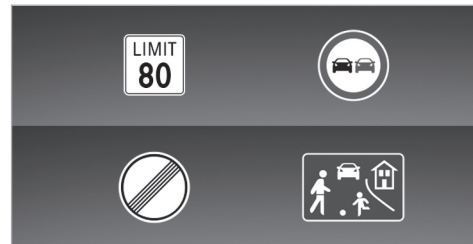
(Example)

- 1 Permissible speed
- 2 Permissible speed when there is a restriction
- 3 Additional sign with restriction

The system can show up to two traffic signs on the driver display simultaneously. The system will always prioritize displaying speed restrictions. No more than one traffic sign with a maximum permissible speed can be shown on the head-up display. If two speed signs are shown on the driver display, e.g. in the event of detected restrictions, the value of left-hand speed restriction 1 will

always be conveyed to the cruise control or Active Distance Assist DISTRONIC for acceptance and shown on the head-up display.

Important information from other systems may cause traffic signs to be hidden for a short time.



Examples of traffic signs that can be displayed

Traffic Sign Assist can detect and display the following traffic signs 1:

- speed restrictions
- end of the speed restriction
- overtaking restrictions
- play streets

- recommended speeds

Traffic Sign Assist can detect the following additional signs ③ and evaluate relevance of the restrictions as required using auxiliary vehicle sensors:

- in wet conditions
- slippery road surfaces
- in fog
- temporary restrictions
- exits
- restrictions for car/trailer combinations

Traffic Sign Assist also uses data from the digital street map in the navigation system. When you pass a city or city boundary or move from one road onto another, e.g. when joining or exiting a freeway, or when turning at a crossroads, the view on the driver display can thus also be updated without a traffic sign having been detected.

- ① Regularly update the digital road map of the navigation system to enable Traffic Sign Assist to work optimally.


Depending on vehicle equipment and country, the system can also display speed limits ahead on the driver display and head-up display. The driver display can also show the distance to an upcoming lower speed limit. Information from the digital road map of the navigation system is used for this purpose. The Assistance menu can also display a dynamic visualization of the speed limit ahead.

If the Traffic Sign Assist cannot determine the current maximum permissible speed, e.g. due to a lack of signage, the following indicator will appear on the driver display:



Traffic Sign Assist is not available in all countries. This display will be shown permanently in the vehicle when you are traveling in countries where Traffic Sign Assist is not supported.

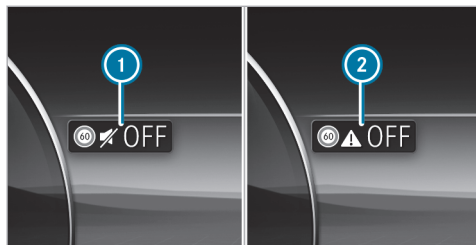
If the system is temporarily or permanently unavailable due to a technical malfunction or dirt on the windshield, a corresponding display message will appear on the driver display. The Traffic

Sign Assist  warning lamp will also light up on the driver display in certain countries.

- ① Please also note the information on the display messages from Traffic Sign Assist (→ page 478).

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 country, you can set in the multimedia system by how much the maximum permitted speed may be exceeded before a warning is given. You can switch off the warning or set whether the warning should be visual (by flashing the traffic sign on the driver's display) or visual and audible. Depending on the country, the selection of the type of warning will be confirmed by an indicator on the driver display.



(Example)

- ① Visual warning only
- ② WARNING off

- ① The type, duration and deployment thresholds of the speed warning as well as the possibility of setting the deployment thresholds from which the warning is to be triggered are subject to the country-specific legislation of the country in which the vehicle is delivered.

Additional functions of Traffic Sign Assist (country-specific)

Warning for no-entry signs: Traffic Sign Assist can warn you if you drive the wrong way down a sec-

tion of road, such as on freeway on-ramps or one-way streets.

Warning at pedestrian crossings: if you are approaching a pedestrian crossing and pedestrians are in the danger zone or are moving towards it, Traffic Sign Assist can warn you up to a speed of approximately 44 mph (70 km/h).

Warning at stop signs: Traffic Sign Assist can warn you up to a speed of approximately 44 mph (70 km/h) if you are about to drive past a stop sign unintentionally. For this to be possible, the signs must be clear; for example, if the system detects more than one stop sign, or a stop sign is confirmed by the digital navigation map. No warning can be issued if several different signs are detected.

Warning at red lights: Traffic Sign Assist can warn you up to a speed of approximately 44 mph (70 km/h) if you are about to drive through a red light unintentionally.

The following conditions must be fulfilled:

- Several traffic lights have been detected.
- All traffic lights detected are red.

- At least one of the red traffic lights detected is on the front passenger side beside the vehicle's lane.
- The traffic lights are in the following sequence (from top to bottom): red, yellow and green.

- ① Where available, you can turn the warnings on and off on the Traffic Sign Assist menu under [Further Warnings](#) (→ page 279).

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 dirt on the windshield in the vicinity of the multifunction camera or if the camera is fogged 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 twisted.

- Active traffic signs with LED displays may not be detected correctly or at all due to technical factors, such as transmission frequency.
- If the information on the navigation system's digital map is incorrect, incomplete or out of date.
- If the signs, road markings or road layout are ambiguous, e.g. in the case of traffic signs at road work sites, at on-ramps and off-ramps, in the case of adjacent lanes or parallel roads or where there are 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 is country-specific and deviates from the route guidance of the navigation system, e.g. at or after road work sites.
- After sharp turns and tight bends, if traffic signs are outside the camera's field of vision.

- If you overtake vehicles with traffic signs attached to them.
- If you are using transportation equipment secured to the vehicle with a trailer coupling, such as a bicycle rack, restrictions for car/trailer combinations may be considered valid.

Setting Traffic Sign Assist

Multimedia system:

→  » Settings » Assistance
» Assistance » Traffic Sign Assist

Activating or deactivating the speed limit warning

- ▶ 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 and the driver's door is opened (depending on the respective equipment).

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**.

Activating or deactivating additional functions of Traffic Sign Assist

- ▶ Activate or deactivate **Further Warnings**.
The available functions are switched on or off.

Set the type of warning for other functions

- ▶ Select **Visual** or **Visual & Audible**.

Blind Spot Assist and Active Blind Spot Assist


Function of Blind Spot Assist and Active Blind Spot Assist with exit warning


Blind Spot Assist and Active Blind Spot Assist use radar sensors to monitor the area up to 130 ft (40 m) behind and 10 ft (3 m) next to your vehicle.

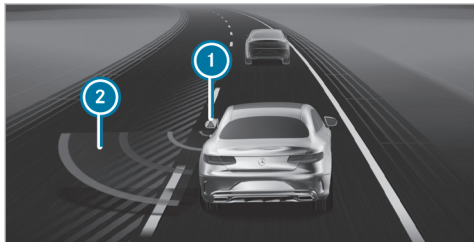
The system can detect vehicles traveling from speeds of approximately 8 mph (12 km/h) and

issue a warning if they move into the monitoring range.



Status indicator on the driver display


 **Gray:** the system is activated but inoperative.


 **Green:** the system is activated and operational.




Indicator on the **Assistance** menu on the driver display

-  Warning lamp on the exterior mirror
-  Red radar waves

If a vehicle is detected from approximately 8 mph (12 km/h) and immediately moves into the monitoring range, the warning lamp on the relevant exterior mirror will light up red. **Assistance** On the menu, the lamp on the exterior mirror  will also light up red, and the lane in which the vehicle is detected will be hatched out.

If a vehicle is detected in the monitoring range and you activate the direction indicators in the corresponding direction, a double warning tone will sound once and the warning lamp will flash red on the corresponding exterior mirror. Red radar waves  will be displayed next to your vehicle on the assistant display.

If the turn signal indicator remains on, the indicator on the exterior mirror will flash for all other detected vehicles, but no further warning tone will sound. If you overtake a vehicle quickly, no warning will be issued.


 **Vehicles with active ambient lighting:** if **Warning Support** is activated, the warning will also be highlighted by the ambient lighting (→ page 164).

Observe the notes on driving systems and your responsibility; you may otherwise fail to recognize potential dangers (→ page 238).

WARNING Risk of accident despite Blind Spot Assist

Blind Spot Assist does not react to vehicles approaching and overtaking you at a greatly different speed.

Blind Spot Assist cannot warn drivers in this situation.

 Always pay careful attention to the traffic situation and maintain a safe distance at the side of the vehicle.

WARNING Risk of accident despite Active Blind Spot Assist

Active Blind Spot Assist does not react to the following:

- if you overtake a vehicle too closely so that it is in the blind spot area
- if vehicles traveling at a much faster speed approach and then overtake

Active Blind Spot Assist may not give warnings or intervene in such situations.

- ▶ Always pay careful attention to the traffic situation and maintain a safe distance at the side of the vehicle.

Exit warning

The exit warning is an additional function of Blind Spot Assist and Active Blind Spot Assist and can warn vehicle occupants attempting to leave a stationary vehicle about approaching vehicles.

⚠ 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 a vehicle is detected in the monitoring range, the red warning lamp will light up on the corresponding exterior mirror.

If a vehicle occupant pulls the door handle on the side of the warning, a warning tone will sound twice and the ambient lighting on the respective door and the warning lamps on the corresponding exterior mirror will flash red.

Vehicles with MBUX Interior Assistant: the visual warning will begin as soon as the hand of a vehicle occupant moves into the area of the door.

- ⓘ **Vehicles with ambient lighting or active ambient lighting:** the **Warning Support** provided by the ambient lighting can be activated and deactivated (→ page 164).
- ⓘ The warning assistance may vary depending on the equipment and setting.

The exit warning is available only when Blind Spot Assist or Active Blind Spot Assist is active.

After the vehicle is switched off, the exit warning will continue to function for a few minutes. If a door is opened when the vehicle is switched off, the exit warning will be active again for a few minutes. When the exterior mirror warning lamp

flashes three times, the exit warning is no longer available.

The exit warning is only an aid and not a substitute for the attention of vehicle occupants. The responsibility for opening and closing the doors and for leaving the vehicle remains with the vehicle occupants.

System limits

Blind Spot Assist and Active Blind Spot Assist may be limited 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 lanes

Warnings may be issued in error when you drive close to crash barriers or similar structural lane borders. Always ensure that there is a sufficient

distance at the sides to other road users or obstacles.

Warnings may be interrupted when you drive alongside long vehicles, such as trucks, for a prolonged time.

Blind Spot Assist and Active Blind Spot Assist will not be operational when reverse gear is engaged.

Blind Spot Assist and Active Blind Spot Assist will not be operational if transport equipment, e.g. a trailer or bicycle rack, is attached to the trailer hitch and the electrical connection has been correctly established.

Additionally, the exit warning may be limited in the following situations:

- when the sensor is blocked by adjacent vehicles in narrow parking spaces
- when people are approaching
- in the case of stationary or slow-moving objects

■ Brake application function in Active Blind Spot Assist

i The brake application function is only available for vehicles with Driving Assistance Package.

If Active Blind Spot Assist detects a risk of a side impact in the monitored range, a course-correcting brake application is carried out. Course-correcting brake application helps in this case to avoid collision with another vehicle.

The course-correcting brake application is available to you from a speed of approx. 20 mph (30 km/h) - 17 mph (60 km/h) (depending on the country) up to a speed of approx. 125 mph (200 km/h).

⚠ WARNING Risk of accident despite brake application of Active Blind Spot Assist

A course-correcting brake application cannot always prevent a collision.

▶ Always steer, brake or accelerate yourself, especially if Active Blind Spot Assist

warns you or makes a course-correcting brake application.

▶ Always maintain a safe distance at the sides.



If a course-correcting brake application occurs, the red warning lamp flashes in the outside mirror and a warning tone sounds. In addition, a display **i** indicating the danger of a side collision appears on the driver display.

In rare cases, the system may make an inappropriate brake application. This brake application may be interrupted at any time if you steer slightly in the opposite direction or accelerate.

System limits

Note the system limitations of Active Blind Spot Assist; you may otherwise not recognize the dangers (→ page 279).

Either a course-correcting brake application appropriate to the driving situation, or none at all, may occur in the following situations in particular:

- Vehicles or obstacles, e.g. crash barriers, are located on both sides of your vehicle.
- An approaching vehicle leaves too little lateral distance between you.
- You have adopted a sporty driving style with high cornering speeds.
- You brake or accelerate significantly.
- A driving safety system intervenes, e.g. ESP® or Active Brake Assist.
- ESP® is deactivated.
- A loss of tire pressure or a defective tire is detected.
- Transport equipment, e.g. a trailer or bicycle rack, is attached to the trailer coupling and

the electrical connection has been correctly established.

Switching Blind Spot Assist or Active Blind Spot Assist on or off

Multimedia system:

→  >> Settings >> Assistance
>> Collision Avoidance

▶ Activate or deactivate **Active 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 239).

It can protect you against unintentionally departing your lane. The system can guide you back into your lane with course-correcting steering intervention, and also warn you with tangible steering wheel feedback.

Active Lane Keeping Assist is available in the speed range between 37 mph (60 km/h) and 124 mph (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 indicator, no steering intervention will occur on the corresponding side.

If you leave your lane without activating a turn signal indicator, but danger of a collision with a moving obstacle in your lane is detected, no steering intervention will occur.

Vehicles with Blind Spot Assist or Driving Assistance Package: If the system detects an obstacle, e.g. another vehicle, in the adjacent lane, steering intervention will occur despite the turn signal indicators.



In the following cases, indicator ① will appear on the driver display and a warning tone will sound:

- Steering intervention by Active Lane Keeping Assist lasts longer than approximately ten seconds.
- Two or more steering interventions by the system take place within approximately three minutes, without steering intervention 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

dashed lane markings, or only to solid lane markings (→ page 286).

If ATTENTION ASSIST has detected signs of drowsiness or microsleep, the most sensitive setting will automatically be selected (→ page 247).

Status indicators of Active Lane Keeping Assist



White: Active Lane Keeping Assist is switched off.

If ESP® is switched off or a tire pressure loss warning is indicated, Active Lane Keeping Assist will automatically be switched off.



Yellow: There is a malfunction. Also note any display messages.



Gray: Active Lane Keeping Assist is switched on but not ready.



Green: Active Lane Keeping Assist is switched on and ready. If the system is ready on only one side, only the lane marking on that side will be shown in green.



Red: Active Lane Keeping Assist has guided you back into your lane with course-correcting steering intervention. If a haptic

warning is also given through the steering wheel, the status indicator will flash. The lane marking on the relevant side will be shown in red.

Vehicles without Driving Assistance Package: If both lane markings are shown in red on the status indicator at the same time, this will mean that Active Lane Keeping Assist has initiated an emergency stop (→ page 263).



Indicator on the **Assistance** menu on the driver display

If one of your front wheels moves onto a detected lane marking, this will be highlighted in red on the **Assistance** menu on the driver display.

i Vehicles with active ambient lighting: If **Warning Support** is switched on, the Active Lane Keeping Assist warning will be reinforced by the ambient lighting (→ page 164).

System limits

In the following situations, there may be no course-correcting steering intervention, but a warning may be issued through 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
- if transport equipment, e.g. a trailer or bicycle rack, is attached to the trailer hitch and the electrical connection has been correctly established

The system may be impaired or inoperative in the following situations in particular:




- in poor visibility, e.g. owing to insufficient road illumination, highly variable shadows, rain, snow, fog or heavy spray
- if there is glare, e.g. from oncoming traffic, direct sunlight or reflections
- if there is dirt on the windshield in the vicinity of the multifunction camera, or if the camera is fogged up, damaged or obscured
- if there is dirt on the bumper in the area of the radar sensors, or if they are damaged or obscured
- if there are no lane markings, or several unclear lane markings are present for one lane, e.g. around road work sites
- if the lane markings are worn, dark or covered up
- 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 recognize potential dangers (→ page 238).

■ 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 the quick vehicle access .


i The settings after the vehicle is started are country-specific.

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.

- ① The standard setting of this function is country-dependent.

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.

- ① The standard setting of this function is country-dependent.

- ① This function must be activated for vehicles without Driving Assistance Package for Emergency Stop Assist to be available in full measure. Further information on Emergency Stop Assist (→ page 263).

AIRMATIC

Function of AIRMATIC

AIRMATIC is an air suspension system with variable damping for improved driving comfort. The all-round level control system ensures the best possible suspension and constant ground clearance, even with a laden vehicle. When driving at speed, the vehicle is lowered automatically to improve driving safety and reduce energy consumption. You also have the option of manually adjusting the vehicle level.







AIRMATIC includes the following components and functions:


- Air suspension with automatic all-round level control


- ADS PLUS (Adaptive Damping System with continuous damping characteristic adjustment)
- Speed-dependent lowering of the vehicle level
- Increased vehicle level for larger ground clearance selectable via the multimedia system


Suspension tuning and vehicle level per drive program




Driving modes ,  and :

- Comfortable suspension tuning in drive programs  and 
- Firmer, sportier suspension tuning in drive program 
- Vehicle adopts the standard level
- From 75 mph (120 km/h) lowering of the vehicle to save energy:
 - by about - 0.4 in (- 10 mm)  and 
 - by about - 0.6 in (- 15 mm) 
- Below 50 mph (80 km/h) raising of the vehicle to the standard level


Driving mode :

- Suspension tuning for terrain
- Below 31 mph (50 km/h) raising of the vehicle to off-road level +1 by about + 1.2 in (+ 30 mm).
- From 43 mph (70 km/h) lowering of the vehicle to the standard level
- Below 31 mph (50 km/h) raising of the vehicle back to off-road level +1
- From 68 mph (110 km/h) switch to 

Individual suspension tunings are called up in drive program . (→ page 209)

 **Operation with a trailer or bicycle rack:** if transport equipment, e.g. a trailer or a bicycle rack, is attached to the trailer hitch and the electrical connection has been correctly established, the vehicle always remains at the standard level in all drive programs with the exception of . In drive program , the vehicle drops to the standard level from a speed of about 19 mph (30 km/h).


Setting the vehicle level

 **WARNING** Risk of accident because vehicle level is too high

Driving characteristics may be impaired.


The vehicle can drift outwards, for example, when steering or cornering.

- ▶ Choose a vehicle level which is suited to the driving style and the road surface conditions.

 **WARNING** Risk of becoming trapped due to the vehicle lowering

When lowering the vehicle, other people could become trapped if their limbs are between the vehicle body and the wheels or underneath the vehicle.

- ▶ Make sure nobody is underneath the vehicle or in the immediate vicinity of the wheel arches when you lower the vehicle.


 **WARNING** Risk of becoming trapped due to the vehicle lowering

Vehicles with AIRMATIC or level control: when you unload luggage or leave the vehicle, the vehicle first rises slightly and then returns to the set level shortly afterwards.

You or anyone else in the vicinity of the wheel arches or the underbody could thus become trapped.

The vehicle can also be lowered after being locked.

- ▶ When leaving the vehicle, make sure that nobody is in the vicinity of the wheel arches or the underbody.

 **NOTE** Damage due to vehicle lowering

Parts of the body could be damaged when the vehicle is lowered.


- ▶ Make sure that there are no obstacles such as curbs underneath or in the immediate vicinity of the body when the vehicle is being lowered.

Requirements

- The vehicle has been started.
- The vehicle is not moving faster than 31 mph (50 km/h).
- With trailer socket in use (trailer/rear bicycle rack): The vehicle is not moving faster than 19 mph (30 km/h).

Multimedia system:

**Raising the vehicle**

- ▶ Select . The indicator lamp lights up steadily. The vehicle is raised to off-road level +1.

Your selection is saved. The set off-road level +1 remains stored even after turning off the vehicle.

The vehicle is lowered again in the following situations:

- You are driving faster than 43 mph (70 km/h).
- With trailer socket in use (trailer/rear bicycle rack): The vehicle is moving faster than 19 mph (30 km/h).


GPS-based raising

When the function is active, there is the option to store the vehicle position when the vehicle level is raised.

- ▶ Confirm the prompt. The position of the vehicle is saved. If the vehicle is again at the previously position, a prompt appears in the zero layer whether the vehicle level should be raised again.

- ① Settings for GPS-based raising (→ page 288)
- ① Function of the zero layer (→ page 338)

Lowering the vehicle

- ▶ Select . Indicator lamp goes out. The vehicle adopts the standard level.
- ① Use the standard level when pulling a trailer. Driving at the off-road level when pulling a trailer is not permitted on public roads.

Setting GPS-based raising of the vehicle level

Multimedia system:



- ▶ Select **Store Positions on Request, Always Save Positions** or **Delete All Saved Positions**.

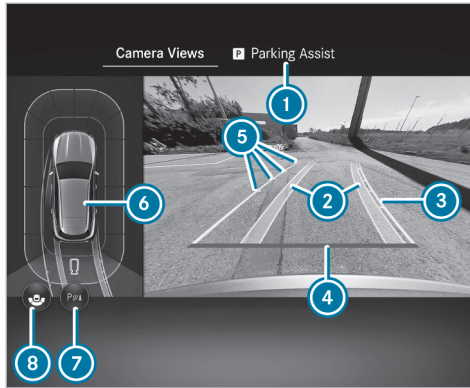
Rear view camera**Function of the rear-view camera**

The rear-view camera serves solely as an aid. It is not a substitute for you having to pay attention to your surroundings. The responsibility for safe maneuvering and parking remains with you. Ensure that no persons, animals, objects, etc. are in the maneuvering area while maneuvering and parking.

- ① The area behind the vehicle is displayed as a mirror image, as it would appear in the inside mirror.

Vehicles with Parking Package

The following camera perspectives are available on the central display:



Menu Camera Views (top view)

- ① Menu Parking Assistance
- 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 1.0 ft (0.3 m) from the rear area

- ⑤ Guide lines at a distance of approximately 1.6 ft (0.5 m), 3.3 ft (1.0 m), 5 ft (1.5 m) and 9.9 ft (3.0 m) from the rear area
- ⑥ Warning display of Parking Assist PARKTRONIC (→ page 297)
- ⑦ Activating/deactivating Parking Assist PARKTRONIC (→ page 301)
- ⑧ Switching between wide-angle view and rear-view camera with top view
- ⑨ When Active Parking Assist is active, the paths ② are displayed in green (→ page 301).



Wide-angle view (example)

- ⑥ Warning display of Parking Assist PARKTRONIC (→ page 297)
- ⑧ Activating/deactivating Parking Assist PARKTRONIC (→ page 301)
- ⑩ Switching between standard view and wide-angle view

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 rear-view camera

Functional limitations of the rear-view camera could lead to a risk of collision with persons or objects.

- ▶ Do not use the rear-view camera if its functions are limited.
- ▶ Ensure that no persons, animals, objects, etc. are in the maneuvering area while maneuvering and parking.

The rear-view camera will not function or will function only partially in the following situations:

- You are driving forwards at a speed greater than approximately 10 mph (16 km/h).

- The tailgate is open.
- The weather conditions are poor, e.g. heavy rain, snow, fog, storm or spray.
- The ambient light is poor, e.g. at night or if a light is shining into the camera.
- The camera lens is obstructed, dirty or fogged up. Observe the notes on cleaning the rear-view camera (→ page 409).
- 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. license plate bracket or bicycle rack).

- ① The contrast of the display may be impaired by direct sunlight or by other light sources, e.g. when driving out of a garage. Particular attention must be afforded in this case.
- ① 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 239).

360° camera**Function of the 360° camera**

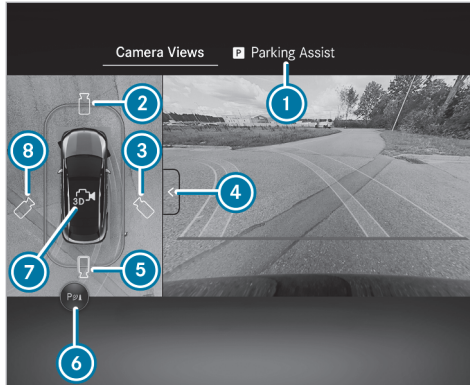
The 360° camera is a system comprising four cameras that cover the immediate vehicle surroundings. The cameras support you, for example, when parking or when exits are difficult to see.

The 360° camera includes the following cameras and evaluates their images:

- Rear-view camera
- Front camera
- Two outside mirror cameras

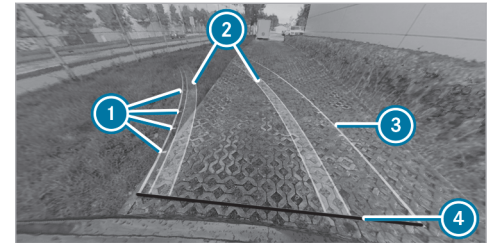
The cameras serve solely as aids and may show a distorted view of obstacles, show them incorrectly or even omit them altogether. They are not a substitute for you having to pay attention to your surroundings. The responsibility for safe maneuvering and parking remains with you. Ensure that no persons, animals, objects, etc. are in the maneuvering area while maneuvering and parking.

The following camera perspectives are available on the central display:



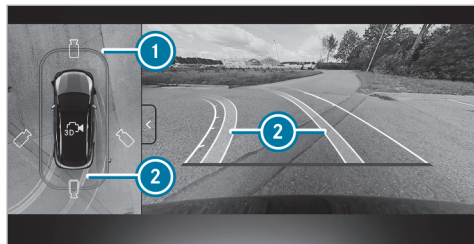
Overview of **Camera Views** menu (example)

- ⑤ Rear-view camera
 - ⑥ Activating/deactivating Parking Assist PARKTRONIC (→ page 301)
 - ⑦ 3D auto view
 - ⑧ 3D view left side of the vehicle
 - ① The warning display of Parking Assist PARKTRONIC is shown in all views (→ page 297).
 - ① Availability of the ③, ⑥ 3D view and ⑦ 3D auto view functions is dependent upon the respective vehicle equipment.
- ① Menu **Parking Assistance**
 - ② Top view with image from the front camera
 - ③ 3D view right side of the vehicle
 - ④ Switching between standard view and wide-angle view



Function of the guide lines (example)

- ① Guide lines at a distance of approximately 1.6 ft (0.5 m), 3.3 ft (1.0 m), 5 ft (1.5 m) and 9.9 ft (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 1.0 ft (0.3 m) from the rear area
- ① When Active Parking Assist is active, paths and guide lines are displayed in green instead of yellow (→ page 301).



Top view with image from front camera or rear-view camera (example)

- ① Warning display of Parking Assist PARKTRONIC (→ page 297)
- ② Path indicating the current steering angle

⚠ WARNING Risk of accidents due to objects not being displayed or being displayed in a distorted manner

Due to the projection of the cameras, objects in the 3D views may be strongly distorted or not displayed at all.

▶ Make sure that there are no persons, animals or objects etc., in the maneuvering area while maneuvering and parking.



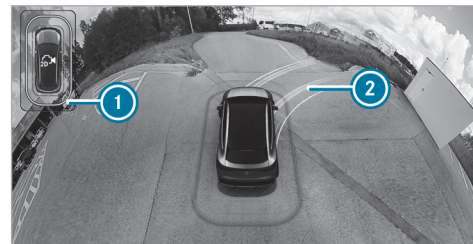
3D view left/right side of the vehicle (example)

- ① Warning display of Parking Assist PARKTRONIC (→ page 297)
- ② Switching between 3D view and 2D view

In the 3D view, left/right side of the vehicle, the virtual camera moves to the respective side of the vehicle. When you change the transmission position, the view is automatically adapted.

- ① Display of the area beneath the vehicle may deviate from the actual circumstances.

- ① The area behind the vehicle is **not** displayed as a conventional mirror image in the 3D views.

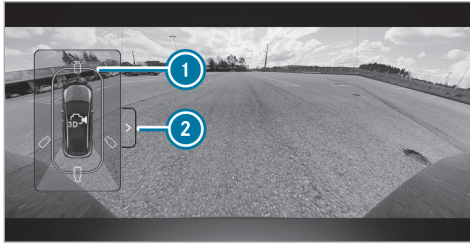


3D auto view (example)

- ① Display of Parking Assist PARKTRONIC (→ page 297)
- 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.

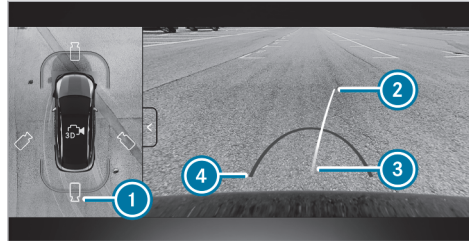
If you touch the touchscreen, the view changes to a 3D view with free rotation. You can turn, tilt and zoom the views by touch.



Wide-angle view (example)

- ① Display of Parking Assist PARKTRONIC (→ page 297)
- ② Switching between standard view and wide-angle view

If you select the trailer view and no trailer is coupled to the vehicle, the following display appears:



Trailer view (example)

- ① Switching between standard view and trailer view
 - ② Yellow guide line, locating aid
 - ③ Ball head of the trailer hitch
 - ④ Red guide line at a distance of approximately 1.0 ft (0.3 m) from the ball head of the trailer hitch
- ⓘ In trailer mode, the guide lines are shown at the level of the trailer hitch.

When the electrical connection is established between the vehicle and the trailer, the display changes to the side camera view.



Side view of outside mirror camera in the trailer view (example)

- ① Switch to the side view of the outside mirror cameras

System limits

If the system is not ready for operation, the **System Inoperative** message 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 restrictions in the function of the 360° camera

If the function of the 360° camera is restricted, there is a risk of collision with people or objects.

- ▶ Do not use the 360° camera in the event of function restrictions.
- ▶ Make sure that there are no persons, animals or objects etc., in the maneuvering area while maneuvering and parking.

The 360° camera will not function or will function only partially in the following situations, for example:

- You are driving forwards at a speed greater than approximately 10 mph (16 km/h).
- The doors are open.
- An outside mirror is not completely extended.
- The tailgate is open.
- The weather conditions are poor, e.g. heavy rain, snow, fog, storm or spray.

- The ambient light is poor, e.g. at night or if a light is shining into the camera.
- The camera lens is obstructed, dirty or fogged up. Refer to the notes on cleaning the 360° camera (→ page 409).
- If cameras or vehicle components in which the cameras are installed 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 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. license plate bracket or bicycle rack).

- ⓘ 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.

- ⓘ 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 239).


■ Off-road function of the 360° camera

The 360° camera can support you with different views when driving off-road.

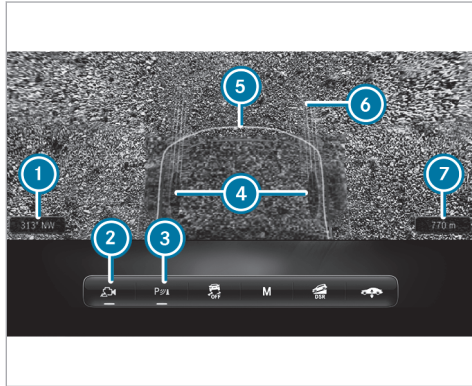
The following views are available:

- Transparent hood
- Front view
- Rear view

To call up the function, select the Offroad menu in the multimedia system (→ page 369).

- ⓘ Active Parking Assist and maneuvering assistant functions are unavailable in the drive program . Parking Assist PARKTRONIC is available in all drive programs when switched on. Please also note the system limits of the respective functions.

Transparent hood



Transparent hood display (example)

- ① Cardinal point
- ② Switch camera perspective on or off
- ③ Activating/deactivating Parking Assist PARKTRONIC (→ page 297)
- ④ Position of the wheels
- ⑤ Area under the hood

- ⑥ Path indicating the current steering angle
- ⑦ Altitude above sea level

If the off-road menu is open in the central display and the button ② is switched on, the transparent hood view is automatically displayed in the transmission position **D**.

The transparent hood view shows a virtual image of the area directly in front of the bumper, in front of the wheels and under the hood. In addition, the current lane is displayed. The transparent hood can assist you when driving over difficult terrain, e.g. on rocky or uneven ground.

The front camera captured and recorded the hatched area under the hood ⑤. This area is then shown as soon as it has been traversed by the vehicle. If the vehicle has not been moved for some time, the recorded area is displayed in gray-scale and faded out.

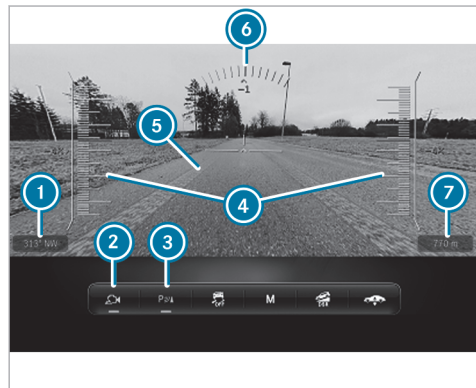
! **NOTE** Damage caused by obstacles that were not indicated

The transparent hood view is generated from images recorded previously by the 360° camera.

These recorded images may therefore possibly deviate from the actual conditions. In the meantime, moving objects that are not showing up in the current display may have found their way underneath the vehicle.

- ▶ Avoid any obstacles or navigate them with extreme caution.
- ▶ Adapt the travel speed to the respective conditions.

Front and rear view



Front and rear view display (example)

- ① Cardinal point
- ② Switch camera perspective on or off
- ③ Activating/deactivating Parking Assist PARKTRONIC (→ page 297)
- ④ Uphill gradient indicator
- ⑤ Path indicating the current steering angle

- ⑥ Downhill gradient indicator
- ⑦ Altitude above sea level

- ⓘ Note that the area between the vehicle and up to approx. 40 in (1 m) in front of the vehicle is not displayed.

The uphill and downhill gradient indicators are shown only in the front view.

If the vehicle is traveling faster than approx. 5 mph (8 km/h) the view automatically changes from transparent hood to front view. The camera image is closed if the vehicle is traveling faster than approx. 12 mph (20 km/h) - 19 mph (30 km/h) (depending on the drive program).

The rear-view camera image is automatically displayed when you engage reverse gear.

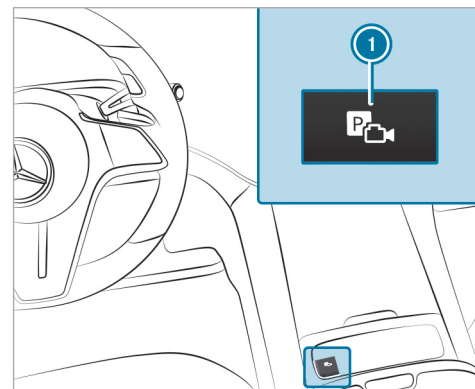
System limits

The area under the hood is not displayed correctly in the following situations:


- in the rain
- when driving in the dark
- when shadows fall on the area recorded by the camera

Observe the instructions on the 360° camera's function and its system limits. You may otherwise fail to recognize potential dangers (→ page 290).

Calling up the 360° camera views using the button



- ⓘ Depending on the vehicle's equipment, button ① may also be located in a different position on the center console.

- ▶ Press button .
- ▶ Select **Camera Views** menu.
- ▶ Select the desired view in the multimedia system (→ page 290).

■ Selecting a view for the 360° camera (reverse gear)



- ▶ Engage reverse gear.
- ▶ Select the desired view in the multimedia system (→ page 290).

■ Managing 360° camera with GPS-activation positions

Multimedia system:


- ▶  ▶ Settings ▶ Assistance
- ▶ **Camera**

Renaming an activation position

- ▶  You can determine activation positions in the **Camera Views** menu (→ page 290).
- ▶ 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:

- ▶  ▶ Settings ▶ Assistance
- ▶ **Camera**
- ▶ Select **Open Camera Cover**.

- ▶  The camera cover closes automatically after some time, or after the vehicle is switched on or off.

Parking Assist PARKTRONIC

■ Function of Parking Assist PARKTRONIC

Parking Assist PARKTRONIC is an electronic parking assistance system that 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 you are driving past them. If you steer in the direction of a detected obstacle and there is a risk of a lateral collision, a warning is issued.

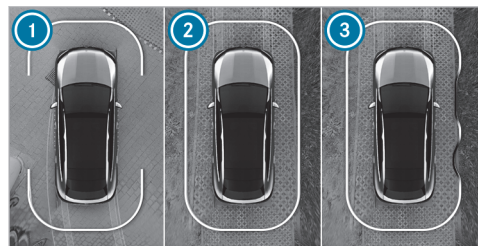
Passive side impact protection can be activated and deactivated via the multimedia system (→ page 301).

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 traveled a distance of one vehicle length, obstacles on all sides can be shown.

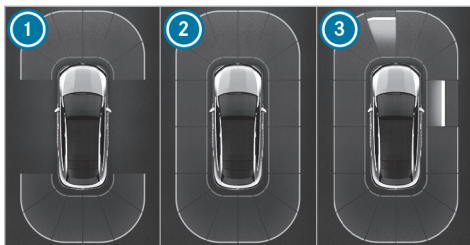
Parking Assist PARKTRONIC serves solely as an aid. It is not a substitute for you having to pay

attention to your surroundings. The responsibility for safe maneuvering, parking and exiting parking spaces remains with you. Ensure that no persons, animals, objects, etc. are in the maneuvering area while maneuvering and parking in/exiting parking spaces.

Displays on the central display



Example: vehicles with 360° camera



Example: vehicles with rear-view 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 color of the display changes depending on the distance to the detected obstacle:

- **Blue:** > 3.3 ft (1 m) (no obstacles detected)
- **Yellow:** approximately 3.3 ft (1 m) - 2.3 ft (0.7 m)

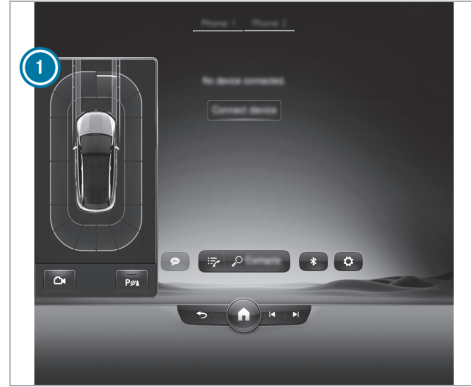
- **Orange:** approximately 2.3 ft (0.7 m) - 1.3 ft (0.4 m)
- **Red:** < 1.3 ft (0.4 m)

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 3.3 ft (1 m). In the standard setting, from a shorter distance of 1.3 ft (0.4 m).



Example: vehicles with 360° camera

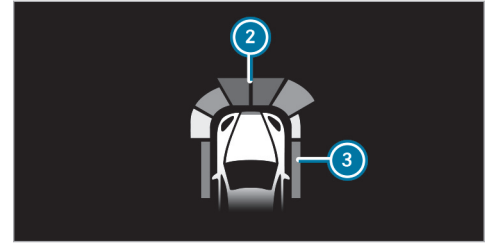


Example: vehicles with rear-view camera

If you are not in the **Camera & Parking** menu and an obstacle in the vehicle's path is detected, a pop-up window ❶ appears on the central display if the following requirements are met:

- **Vehicles without Active Parking Assist:** when you are driving no faster than 8 mph (12 km/h).

- **Vehicles with Active Parking Assist:** when you are driving no faster than 11 mph (18 km/h).



Head-up display (example)

Optionally, obstacles detected by Parking Assist PARKTRONIC from a distance of approximately 3.3 ft (1.0 m) in front ❷ and 2.3 ft (0.7 m) at the sides ❸ can also be displayed on the head-up display.

Vehicles with active ambient lighting and Parking Package with remote parking functions

When **Warning Support** is activated, the Parking Assist PARKTRONIC display is also accompanied by ambient lighting. If an obstacle is detected, the

ambient lighting lights up in the same color as the central display.

The active ambient lighting that accompanies the Parking Assist PARKTRONIC display is intended only to accentuate the display on the central display, not to replace it.

More information on ambient lighting:
(→ page 164)

- i** The ambient lighting does not respond in the vicinity of the driver display or behind the rear doors.
- i** Depending on the selected setting, other functions may supersede the ambient lighting effects of Parking Assist PARKTRONIC. In this case, the ambient lighting effects of Parking Assist PARKTRONIC do not occur.

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 trucks
- 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:

- Rear-view camera (→ page 288)
- 360° camera (→ page 290)

Observe the information on vehicle sensors and cameras; otherwise the system cannot function properly (→ page 239).

Vehicles with trailer hitch: If a transport device, e.g. trailer or bicycle rack is attached to the trailer hitch and the electrical connection is correctly established, Parking Assist PARKTRONIC is deactivated for the rear zone.

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 409).
- **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 during parking or maneuvering due to objects at close range


Parking Assist PARKTRONIC may not detect certain objects close to the vehicle.

▶ When parking or maneuvering, look out in particular for objects that are underneath or above the sensors, e.g. flower pots or drawbars. Otherwise, the vehicle or other objects could 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.

 Parking Assist PARKTRONIC will be activated automatically when the vehicle is started.

Alternatively, Parking Assist PARKTRONIC can be activated or deactivated on 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 switch **Audio Fadeout When in R** on or off.
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

Active Parking Assist is an electronic parking assistance system that uses ultrasound with the assistance of the rear-view camera or 360° camera. When you are driving forwards up to approximately 22 mph (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 maneuvering, parking and exiting parking spaces remains with you. Ensure that no persons, animals, objects, etc. are in the vehicle's path.

Active Parking Assist offers the following functions:

Vehicles with rear-view camera

- Parking in parking spaces parallel to the roadway
- Backing up into parking spaces perpendicular to the roadway



The parking space is freely selectable. The parking procedure is executed with the vehicle backing up.

Vehicles with 360° camera


- Parking in parking spaces parallel to the roadway
- Parking in parking spaces perpendicular to the roadway (either forwards or backing up as desired)

- Parking in parking spaces that can be detected as such only from markings (foreexample 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 backing up) 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 located. These are then shown on the central display.


When Active Parking Assist is activated, the turn signal indicators are 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 303) or go to the navigation view (e.g. when near the destination) and select **Active Parking Assist** (→ page 339).

Active Parking Assist will be canceled 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

Active Parking Assist is not available in the drive program  or when the exterior lighting is malfunctioning.

Observe also the system limits of the following systems:

- Rear-view camera (→ page 288)
- 360° camera (→ page 290)

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. Use Active Parking Assist only on level road surfaces with adequate grip.

⚠ 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!

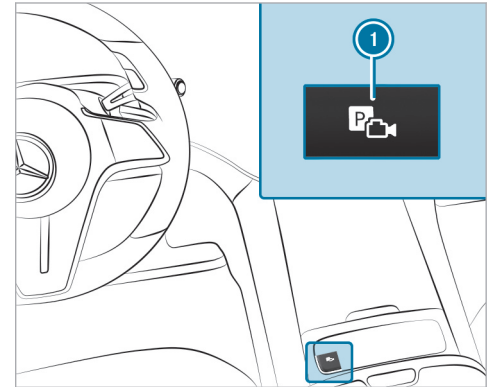
- ▶ In these situations, do not use Active Parking Assist.

Active Parking Assist 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:

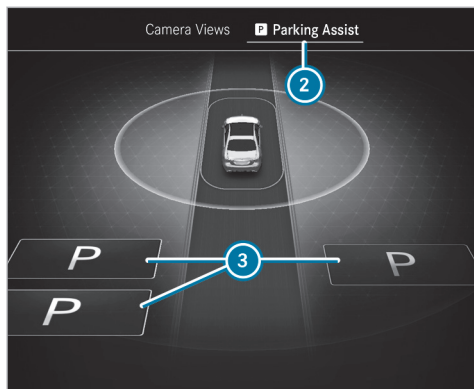
- In extreme weather conditions, such as ice, packed snow or in heavy rain.
- When transporting a load that protrudes beyond the vehicle.
- If the parking space is on a steep downhill or uphill gradient.
- When snow chains are installed.
- When a trailer or bicycle rack is attached.
- Directly after a tire change or when spare tires are installed.
- If the tire 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 curb on one side (vehicles with level control).

■ Parking with Active Parking Assist



i Depending on the vehicle's equipment, the button **1** may also be located in a different position on the center console.

▶ Press the button **1**.

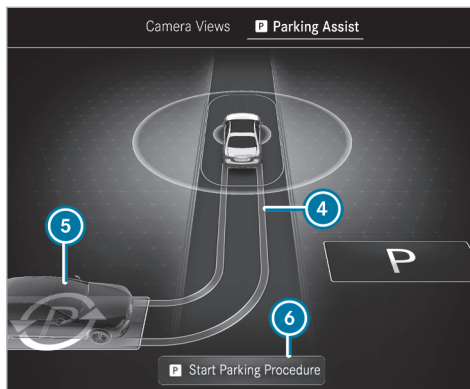


Parking Assist menu (example for left side of the screen)

- ▶ Select the menu **Parking Assistance** ②.

Parking spaces ③ detected by the system are shown on the central display.

At speeds greater than approximately 10 mph (16 km/h), the camera perspective on the right side of the screen switches off.



Parking Assist menu (example)

When the vehicle is at a standstill, the indicated vehicle path ④ into the currently selected parking space ⑤ 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** ⑥ (depending on the respective vehicle equipment).

- ▶ Take your hands off the steering wheel. 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 **Active Parking Assist Finished** message appears.

- ▶ Secure the vehicle against rolling away. When necessitated by legal requirements or local conditions: turn the wheels towards the curb.
- ⓘ 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 canceled.



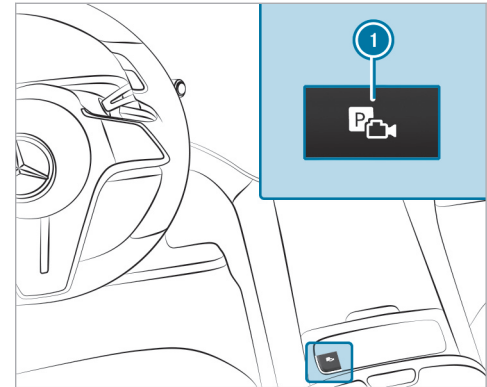
Immediate parking via the **Camera Views** menu

- ▶ 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. The parking procedure is initiated for the detected parking space.
- ⓘ The parking space and parking direction cannot be changed in immediate parking.

Exiting a parking space with Active Parking Assist

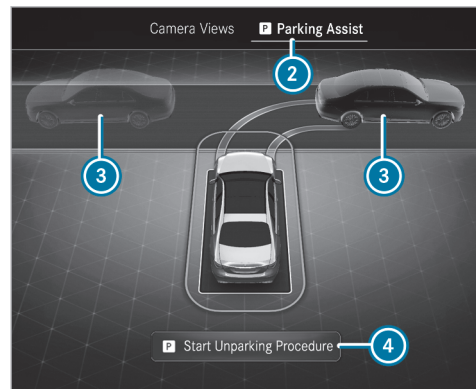
Requirements:

- The vehicle is equipped with a 360° camera.
 - The vehicle has been parked with Active Parking Assist.
- ▶ Start the vehicle.



① Depending on the vehicle's equipment, the button ① may also be located in a different position on the center console.

▶ Press the button ①.



Parking Assist menu (example for left side of the screen)

▶ Select the menu **Parking Assistance** ②.

At speeds greater than approximately 10 mph (16 km/h), the camera perspective on the right side of the screen switches off.

▶ If necessary, change the direction of exit ③.

▶ **To initiate the unparking procedure:** press the button ① again.

or


▶ Depress the brake pedal and select **Start Unparking Procedure** ④ (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.

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 take control of the vehicle, the system will brake the vehicle to a standstill.

■ Pausing 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 or the tailgate.

▶ Apply the electric parking brake or activate the HOLD function.

▶ **To resume the parking or unparking procedure:** gently depress the accelerator pedal.

- ❗ If the electric parking brake was applied before Active Parking Assist was activated, depress the accelerator pedal gently to start the parking or unparking procedure.

Check the area around your vehicle again before resuming a paused parking procedure. Ensure that persons, animals or objects are no longer in the maneuvering range. Observe also the system limits of Active Parking Assist.

■ Automatic braking function of 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.

Remote Parking Assist

■ Function of Remote Parking Assist

- ❗ Remote Parking Assist is an additional function of Active Parking Assist. Comply with local traffic laws and regulations when using Remote Parking Assist on public roads. If these prescribe turning your wheels toward the curb, you must not use Remote Parking Assist. Please note that you may use Remote Parking Assist only if you have a valid driving license and are in a fit state to drive.

Remote Parking Assist parks your vehicle or exits the parking space while you are outside of your vehicle. You can monitor the maneuvering and parking procedure on your mobile phone.

With Remote Parking Assist, you can carry out all Active Parking Assist parking procedures. You can also position the vehicle directly in front of a garage or a driveway entrance and then use Remote Parking Assist to enter or exit a parking space.

Remote Parking Assist manages pulling away, braking and steering. While Remote Parking Assist is active, the vehicle is locked.

Remote Parking Assist is only an aid. It is not a substitute for your attention to the surroundings. The responsibility for safe maneuvering and parking remains with you. Interrupt or terminate the parking procedure if necessary. Make sure that no persons, animals or objects etc. are in the vehicle's path. Make sure to also pay attention to other vehicles.

System limits

If the system detects a malfunction or a system limit during the maneuvering or parking procedure, the procedure will be canceled:

- The vehicle will be brought to a standstill.
- Transmission position **P** will be selected and the electric parking brake will be applied.
- The vehicle is switched off.
- The vehicle will remain locked.

If the parking maneuver is canceled, a corresponding message will be displayed on the mobile phone.

Depending on the situation, you can then take control of the procedure, maneuver the vehicle back to the starting position or manually take control of the vehicle.

The system limits of Active Parking Assist will apply (→ page 301).

Certain environmental conditions, such as snowfall or heavy rain, may lead to a parking space being measured inaccurately or to connection problems with the mobile phone. Use Remote Parking Assist only on level, high-grip ground.

During the parking procedure, you should not stand more than approximately 10 ft (3.0 m) away from the vehicle. At greater distances, the procedure will be interrupted and a corresponding message will be displayed on the mobile phone. If you move closer to the vehicle, you will be able to continue the procedure.

Operating Remote Parking Assist

Requirements

For the Remote Parking Assist function, you will require:

- a user account with Mercedes me
- the current Remote Parking Assist app for your vehicle model
- a mobile phone

i A list of compatible mobile phones can be found at: <https://www.mercedes-benz-mobile.com/>

The following operating systems are supported:

- Android™
- Apple® iOS

⚠ WARNING Danger due to insufficient view of the vehicle surroundings

If you maneuver, park or exit a parking space with the vehicle using Remote Parking Assist, observe the following:

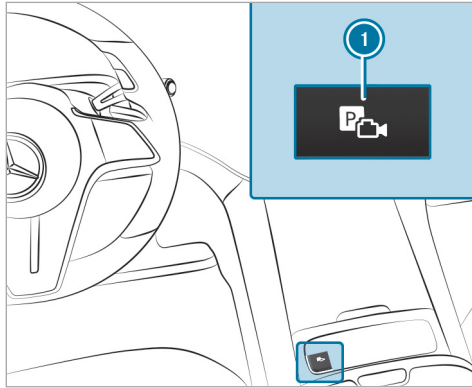
- ▶ Make sure that you have the best view possible of the vehicle and the vehicle's surroundings.
- ▶ Make sure that no persons, animals or objects are in the path of your vehicle.
- ▶ Make sure that you maintain a suitable distance to the vehicle and that neither you nor other road users could be endangered.
- ▶ Be aware of the vehicle's surroundings at all times and identify possible dangers.
- ▶ If necessary, cancel the parking procedure.

No persons or pets are permitted to remain in the vehicle during the parking procedure. Observe the system limits at all times. If necessary, cancel the parking procedure. Always ensure that vehicle access is guaranteed for other road users.

- ▶ Activate the "Remote Parking Assist" service, e.g. via the Mercedes me homepage.
- ▶ Authorize the mobile phone using the Remote Parking Assist app in the vehicle (→ page 310).

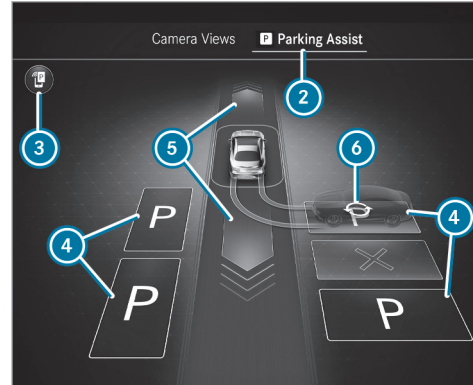
Selecting the parking maneuver in advance while inside the vehicle

- ▶ Stop the vehicle and select transmission position **P**.



- ⓘ Depending on the vehicle's equipment, the button ① may also be located in a different position on the center console.

- ▶ Press button ①.



- ▶ Select **Parking Assistance** ② menu.
- ▶ For further information on Remote Parking Assist: select ③.
- ▶ If necessary, select another parking space ④ or select ⑤ to drive straight ahead into a garage, for example.

- ▶ If necessary, change parking direction ⑥.

- ⓘ Alternatively, you can begin parking with Active Parking Assist (→ page 303) and continue with the Remote Parking Assist from any vehicle position. To do this, stop the parking process and engage transmission position **P**.

- ▶ Switch off and exit the vehicle taking the key with you.

Starting the parking procedure without selecting in advance

- ▶ Stop the vehicle and engage transmission position **P**.
- ▶ Switch off and exit the vehicle taking the key with you.

Starting the parking procedure while outside the vehicle

- ▶ Unlock the vehicle.

Carrying out a parking procedure with Remote Parking Assist

- ① Keep the vehicle key with you during the parking procedure. You can cancel the parking procedure and bring the vehicle to a standstill by pressing a button on the key.
- ① Following completion of the parking procedure, the vehicle is locked.

If you have started the parking procedure as described above, the vehicle is ready to connect to your mobile phone for a limited period of time.

- ▶ Start the Remote Parking Assist app on the mobile phone and connect to the vehicle.
- ▶ Follow the instructions of the Remote Parking Assist app.
- ① The turn signal indicator is automatically switched on when starting the parking procedure, and switched off again upon completion.
- ① If the connection between the vehicle and the mobile phone is interrupted while a parking maneuver is being performed, the maneuver can be continued if the connection is re-established within a short period of time.

⚠ WARNING Risk of accident due to vehicle swinging out while parking or pulling out of a parking space

While parking or pulling out of 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 Remote Parking Assist.

- ▶ Following completion of the parking procedure, ensure that all vehicle doors, windows and the tailgate are closed. Secure the vehicle against rolling away.

Canceling the parking procedure

You can cancel the parking procedure of Remote Parking Assist at any time and bring the vehicle to a standstill.

- ▶ Cancel the parking procedure in the Remote Parking Assist app.
- or
- ▶ Press a button on the vehicle key.
- or
- ▶ Pull a door handle.

Authorising/deauthorising a mobile phone for Remote Parking Assist

Multimedia system:

- ▶  ▶ Settings ▶ Assistance
- ▶ ▶ Parking ▶ Remote Parking Assist

Authorising a new mobile phone

To be able to use the Remote Parking Assist function, you must authorise your mobile phone. You can authorise up to ten mobile phones.

- ▶ Select **Remote Parking Assist**.
- ▶ In the opened window, select **Authorize a New Device**.
Remote Parking Assist is ready to connect.

- ▶ Start the Remote Parking Assist app and then start the authorization process. A connection prompt is displayed.
- ▶ Scan the QR code on the central display. The mobile phone is authorised.

Deauthorising mobile phones

- ▶ Select **Remote Parking Assist**.
- ▶ In the opened window, select the device to be deauthorised.
- ▶ **To deauthorise a mobile phone:** Select a mobile phone and confirm with **Yes**. The mobile phone is deleted from the device list.
- ▶ **To deauthorise all mobile phones:** Select **Deauthorize All Devices** and confirm with **Yes**. All mobile phones are deleted from the device list.

Maneuvering assistance

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 1 mph (2 km/h).


A risk of collision may arise in the following situations, for example:


- If the driver mixes up the accelerator and brake pedals.
- If the driver engages an incorrect gear.
- If the driver depresses the accelerator pedal with too much force.

Drive Away Assist is active under the following conditions:

- If the vehicle was stationary and the transmission position was changed to **[R]** or **[D]**.
- If the vehicle has rolled less than approximately 3.3 ft (1.0 m) since coming to a standstill.
- If the detected obstacle is less than approx. 3.3 ft (1.0 m) away.

The **Drive-away Assist** can be deactivated or activated in the **Maneuvering Assistance** menu (→ page 314).

If a critical situation is detected, the  symbol appears in red in the selected view in the **Camera & Parking** menu.

- ① If Drive Away Assist is not available, the  will symbol appear in gray. If the **Camera & Parking** menu is not open in the central display, the symbol appears together with the Parking Assist PARKTRONIC pop-up.

Drive Away Assist serves solely as an aid. It is not a substitute for you having to pay attention to your surroundings. Responsibility for safe maneuvering, parking and exiting parking spaces remains with you. Ensure that no persons, animals, objects, etc. are in the maneuvering range.


⚠ 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.

System limits

Drive Away Assist is not available in the drive program .

The system limits of Active Parking Assist apply (→ page 301).

On uphill gradients, the performance of Drive Away Assist is limited.

If a transportation device, e.g. a trailer or bicycle rack, is attached to the trailer hitch and the electrical connection is correctly established, Drive Away Assist will not be available when you are backing up.


Function of cross traffic warning

The cross traffic warning can warn you of crossing traffic when exiting a parking space. The radar sensors in the bumper also monitor the area adjacent to the vehicle.

The cross traffic warning is active under the following conditions:

- **Warning for Cross Traffic, Rear:** The vehicle is driving in reverse at a speed slower than approx. 6 mph (10 km/h).
- **Warning for Cross Traffic, Front:** The vehicle is driving forwards at a speed slower than approx. 6 mph (10 km/h) and the camera image is shown on the central display (→ page 296).

The **Warning for Cross Traffic, Front** can be deactivated or activated in the **Maneuvering Assistance** menu (→ page 314).

If a critical situation is detected, the symbol  appears in red in the selected view in the **Camera & Parking** menu.


Warning for Cross Traffic, Rear

- The vehicle can be braked automatically when crossing traffic is detected.
- If the **Camera & Parking** menu is not opened and a critical situation is detected, a warning appears on the central display together with the Parking Assist PARKTRONIC pop-up.

Warning for Cross Traffic, Front

- If Active Parking Assist is active, the vehicle can be braked automatically when crossing traffic is detected.
- A warning appears if Active Parking Assist is not active, but the **Camera & Parking** menu is open.
- If the **Camera & Parking** menu is not open, the system cannot react to crossing traffic.


The cross traffic warning serves solely as an aid, and is not a substitute for you paying attention to your surroundings. The responsibility for safe maneuvering, parking and exiting parking spaces remains with you. Ensure that no persons, animals, objects, etc. are in the vehicle's path.


 **WARNING** Risk of accident caused by limited detection performance of the cross traffic warning

The cross traffic warning cannot always clearly identify objects and traffic situations.

- ▶ Always pay careful attention to the traffic situation; do not rely on the cross traffic warning alone.
- ▶ Be prepared to brake or swerve as necessary, provided the traffic situation permits and that it is safe to take evasive action.

System limits

- ❗ If the cross traffic warning is not available, the  symbol appears in gray.

The cross traffic warning is not available in the drive program .

The system limits of Active Parking Assist apply (→ page 301).

If the radar sensors are obstructed by vehicles or other objects, detection is not possible.

In the following situations, the cross traffic warning is not available:

- on uphill gradients
- **Warning for Cross Traffic, Rear:** if a transport device, e.g. trailer or bicycle rack is attached

to the trailer hitch, and the electrical connection is correctly established.


Function of close-range braking


Close-range braking can prevent collisions with pedestrians when the vehicle is backing up at slow speeds. If the rear-view 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 backing up at a speed slower than 6 mph (10 km/h).
- The camera image is shown on the central display (→ page 296).

Depending on the respective country, close-range braking can be deactivated or activated in the **Maneuvering Assistance** menu (→ page 314).

When close-range braking is triggered, the symbol  appears in red in the selected view in the **Camera & Parking** menu.

- ❗ If close-range braking is not available, the symbol  appears in gray.

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 maneuvering, parking and exiting parking spaces remains with you. Ensure that no persons, animals, objects, etc. are in the vehicle's path.


⚠ WARNING Risk of accident caused by limited detection by the maneuvering brake function

The maneuvering 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 maneuvering brake function alone.
- ▶ Be ready to brake.

System limits

Close-range braking is not available in the drive program .

314 Driving and parking

Observe the system limits of the following functions:

- Active Parking Assist (→ page 301)
- 360° camera (→ page 290)
- Rear-view camera (→ page 288)

The close-range braking function is not available in the following situations:

- on uphill gradients
- If transport equipment, e.g. a trailer or bicycle rack, is attached to the trailer hitch and the electrical connection has been correctly established.

■ Activating/deactivating the maneuvering assistant

Multimedia system:

→  » Settings » Assistance
» Parking

- ① This function is an on-demand feature (→ page 29).

- ① The Activating/deactivating maneuvering assistant function is not available in all countries.

- ▶ Select **Maneuvering Assistance**.
- ▶ Activate or deactivate the desired maneuvering assistant.

Memory Parking Assist

■ Function of Memory Parking Assist

Memory Parking Assist can park your vehicle using a previously stored parking space. You can store parking procedures with a total distance of up to 550 yds (500 m) (110 yds (100 m) per parking or unparking procedure).

During parking or unparking, the system can travel a previously stored distance of up to approximately 110 yds (100 m) to or out of the desired parking space, for example, from the driveway entrance into the garage.

Within a radius of approx. 165 yds (150 m), only one parking or unparking procedure can be recorded.

Use Memory Parking Assist only on private property. Use on public roads, e.g. in public parking spaces, is not permitted.

Memory 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 maneuvering, parking and exiting parking spaces remains with you. Ensure that no persons, animals or objects etc. are in the vehicle's path.

System limits

Observe the system limits of Active Parking Assist (→ page 301).

⚠ WARNING Risk of accident due to objects located above or below the detection range of Memory Parking Assist

If there are objects above or below the detection range, the following situations may arise:

- Memory Parking Assist may steer too early.
- The vehicle may not stop in front of these objects.

This result in a collision.

▶ In these situations, do not use Memory Parking Assist.

Objects located above or below the detection range of Memory Parking Assist may not be detected during the parking procedure.

Drawbars of parked trailers that protrude into the parking space, for example, may not be detected.

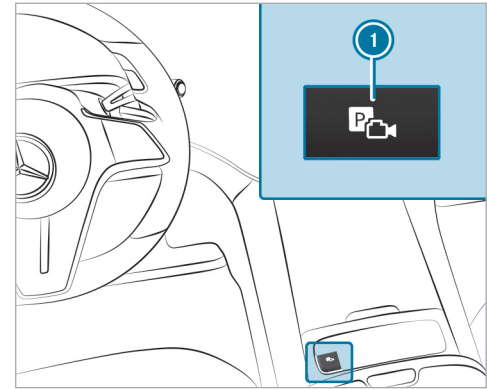
Do not use Memory Parking Assist in the following situations, for example:

- 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 installed.

■ Recording a parking procedure using Memory Parking Assist

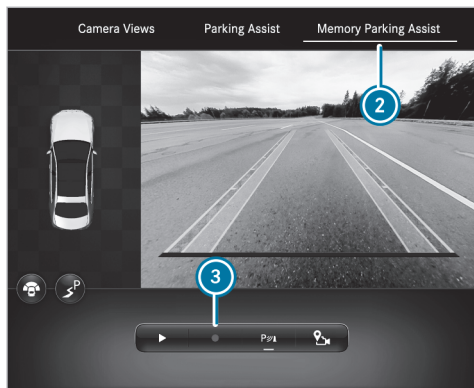
Requirements:

- There are no public roads included within the travel route, e.g. entirely within your own property.
- The system needs reference points in the surroundings to orient itself, such as fences, walls or trees. A certain distance must therefore be driven after starting the vehicle. If insufficient reference points are detected in the surrounding area, no new route can be recorded.
- Sufficient distance is maintained between the vehicle and surrounding objects as the parking procedure is being recorded.



❗ Depending on the vehicle's equipment, the button ❶ may also be located in a different position on the center console.

▶ Press the button ❶.
The **Camera & Parking** view opens on the central display.



- ▶ Select the menu **Memory Parking Assist** ②.
- ▶ Brake the vehicle to a standstill at the desired starting point of the assisted parking procedure, e.g. a driveway entrance.
- ▶ **To start recording:** tap ③.
- ① If not all conditions for a recording are met, the symbol ③ is grayed out.
- ▶ To start the recording, press the button ①.

- ▶ Park the vehicle in the desired parking space. Do not exceed a speed of 5 mph (8 km/h).
- ▶ **To stop recording:** stop the vehicle and tap ③ again. The recording is stored.

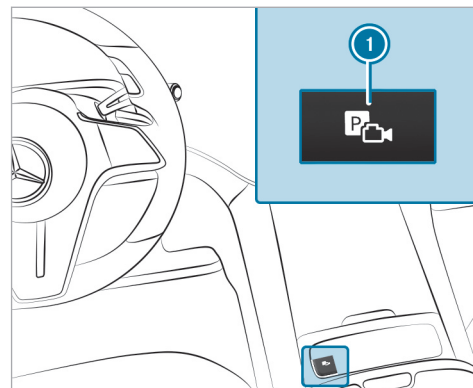
It is also possible to record the unparking procedure using the same method with Memory Parking Assist. Refer to the information on the central display.

- ① In the Memory Parking Assist settings you can delete and rename stored parking procedures.

▶ Parking with Memory Parking Assist


Requirements:

- A parking procedure has been recorded.



- ① Depending on the vehicle's equipment, the button ① may also be located in a different position on the center console.
- ▶ Press the button ①. The **Camera & Parking** view opens on the central display.



- ▶ Select the **Memory Parking Assist** ② menu.
- ▶ Brake the vehicle to a standstill at the starting point of the stored parking procedure.
- ▶ **To start the parking procedure:** press .
- ▶ Select the stored parking procedure from the list.

▶ Follow the instructions on the central display. The vehicle drives into the selected parking space.

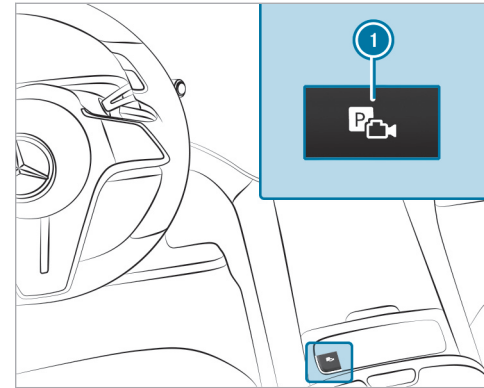
- ① The turn signal indicator is not switched on automatically. You are responsible for selecting the turn signal indicator in accordance with the traffic conditions.
- ▶ Following completion of the parking procedure, secure the vehicle against rolling away.

Exiting a parking space with Memory Parking Assist

Requirements:

- The unparking procedure was recorded together with the corresponding parking procedure and stored separately, without switching off the vehicle in between.
- The vehicle was parked using Memory Parking Assist.

Alternatively, manually position the vehicle at the starting point of the recorded unparking procedure.




- ① Depending on the vehicle's equipment, the button ① may also be located in a different position on the center console.
- ▶ Press the button ①. The **Camera & Parking** view opens on the central display.



- ▶ Select the menu **Memory Parking Assist** ②.

Starting the unparking procedure

- ▶ Press .
- ▶ Confirm the saved unparking procedure.
- ▶ Follow the instructions on the central display. The vehicle drives the recorded route.


- ① The turn signal indicator is not switched on automatically. You are responsible for selecting the turn signal indicator in accordance with the traffic conditions.
- ▶ Take control of the vehicle after the unparking procedure has been completed.

Setting Memory Parking Assist


Multimedia system:

- ▶  ▶ **Settings** ▶ **Assistance**
- ▶ **Parking** ▶ **Memory Parking Assist**

Renaming a recording

- ▶ Select **Memory Parking Assist**.
- ▶ Select  next to the desired recording.
- ▶ Enter a name and confirm with **OK**.

Deleting a recording

- ▶ Select **Memory Parking Assist**.
- ▶ Select  next to the desired recording. The selected recording will be deleted.

Deleting all recordings

- ▶ Select **Memory Parking Assist**.

- ▶ Select **Delete All Tracks**.

- ① Alternatively, you can delete all data in Memory Parking Assist by resetting the multimedia system (→ page 363).

Trailer Maneuvering Assist

Function of Trailer Maneuvering Assist

- ① This function is an on-demand feature (→ page 29).

⚠ WARNING Risk of accident due to unsuitable trailers

Trailers with a steered axle or a fifth wheel cannot be used with Trailer Maneuvering Assist.

Due to this, the trailer cannot be maneuvered in the desired direction and you can cause a collision or the trailer can rollover.

- ▶ Only use Trailer Maneuvering Assist with trailers with fixed drawbars and axles.

▲ WARNING Risk of accidents due to unsuitable hitching devices

Trailer hitches without a ball head, such as a Hensley hitch or a pintle hitch, as well as any hitch adapters or multiple hitch ball mounts, **cannot** be guided by Trailer Maneuvering Assist.

This will prevent the trailer from maneuvering in the desired direction and you may cause a collision or the trailer may roll over.

- ▶ Use Trailer Maneuvering Assist only with a trailer hitch with a ball head.
- ▶ Use Trailer Maneuvering Assist only with a trailer hitch without additional attachments, such as a weight distribution system or sway control.
- ▶ Use Trailer Maneuvering Assist only with a trailer with a drawbar that has no additional attachments or superstructures.
- ▶ Use Trailer Maneuvering Assist only with a hitch ball mount. The use of an additional hitch adapter or hitch ball mount is not permitted.

▲ WARNING Danger of accident due to incorrect taught values for the ball head position

If after changing the trailer, ball neck or changing the ball head position the values for the ball head position are **not** reset and a calibration drive is carried out again, Trailer Maneuvering Assist will not function properly. This will prevent the trailer from maneuvering in the desired direction and you may cause a collision.

- ▶ After changing the trailer, the ball neck or the ball head position, do not use Trailer Maneuvering Assist without carrying out a calibration drive again.
- ▶ After changing the trailer, the ball neck or the ball head position, reset the taught-in values.
- ▶ Then, carry out a calibration drive to teach in the values of the new ball head position.

Information on resetting the taught-in values for the ball head position and for calibration drive (→ page 325).

! NOTE Damage due to overhanging loads in front or drawbar installations

The vehicle and the trailer may be damaged during maneuvering due to overhanging loads at the front of the trailer or drawbar installations.

- ▶ Pay attention to overhanging loads or drawbar installations while maneuvering.

Trailer Maneuvering Assist assists you when backing up with a trailer. The rear-view camera monitors the articulation angle between the vehicle and the trailer and adjusts it to a specified value. Trailer Maneuvering Assist also limits your speed.

For Trailer Maneuvering Assist to function correctly, a calibration drive must be carried out for the respective trailer and ball neck as well as following a change in ball head position. The current ball head position is taught-in during the calibration drive (→ page 325).

Trailer Maneuvering Assist serves solely as an aid. It is not a substitute for you having to pay attention to your surroundings. The responsibility for safe maneuvering, parking and exiting parking spaces remains with you. Ensure that no persons, animals, objects, etc. are located in the maneuvering area while maneuvering and parking in/exiting parking spaces.

You can enter the articulation angle value directly via the multimedia system, or use a straightening or 90° maneuver. When carrying out a straightening maneuver, the system calculates the articulation angle automatically and straightens the vehicle/trailer combination to the trailer's current direction.

Observe the notes regarding trailer operation (→ page 322).

System limits

Observe the system limits of the following functions:

- Active Parking Assist (→ page 301)
- 360° camera (→ page 290)
- Rear-view camera (→ page 288)

The system may be impaired or inoperative in the following situations:

- The uphill gradient is greater than approximately 15 %.
- The height of the ball head above even ground is less than 13.8 in (0.35 m) or greater than 21.6 in (0.55 m).

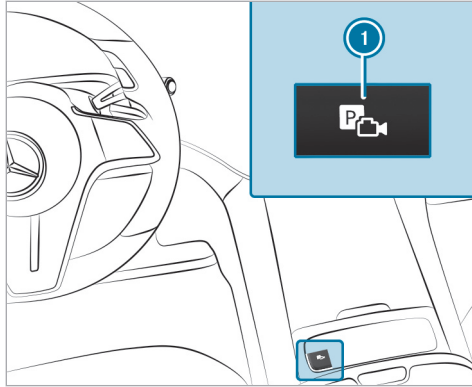
■ Using Trailer Maneuvering Assist

Requirements:

- The vehicle has been started and is stationary.
- A trailer is selected in the **Vehicle** menu (→ page 325).
- A trailer has been detected.
- A calibration drive was carried out using the trailer, ball neck and current ball head position (→ page 325).
- A straight travel maneuver was carried out to calibrate Trailer Maneuvering Assist, observing the instructions on the central display (→ page 325).
- The uphill gradient is less than approximately 15 %.

- The tailgate is closed.
- The electric parking brake is not applied.
- The driver's seat belt is fastened.

i To ensure that Trailer Maneuvering Assist functions correctly, reset the taught-in values for the ball head position after each change of trailer and ball neck as well as when changing the ball head position. Then perform a calibration drive again. Information on resetting and calibration drive (→ page 325).



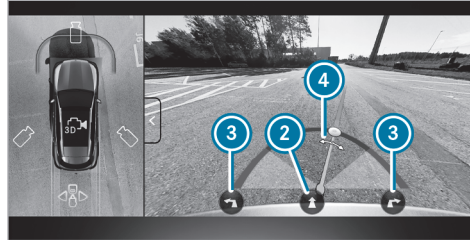
i Depending on the vehicle's equipment, the button **1** may also be located in a different position on the center console.

▶ Engage reverse gear **R**.

▶ Press the button **1**.

The camera image is shown on the central display.

▶ Take your hands off the steering wheel.



i This image is shown as an example and is without trailer.

You can select various maneuvers in the Trailer Maneuvering Assist menu. The maneuvers available depend on the trailer's current articulation angle and length.

▶ To adjust the articulation angle: select **4**. To change the articulation angle, swipe to the left or right on the central display in the entire area of the camera image.

or

▶ To activate the straightening maneuver: select **2**.

The system calculates the articulation angle in such a way that the direction of the trailer at the time of activation is maintained. There is a short countersteering movement of the trailer while the vehicle is backing up, which then guides it back to the desired line. This allows the vehicle to align with the trailer, while at the same time maintaining the trailer's direction.

or

▶ To activate the 90° maneuver:

- Align the vehicle in the same direction (line) as the trailer.
- Select **3** (left or right).

The system calculates the articulation angle so that a trailer can be maneuvered into a driveway at the most acute angle possible when it is perpendicular to its own vehicle. After the maneuver, the vehicle is aligned again in the trailer's direction.

▶ Accelerate and brake as required.

- ① The maximum articulation angle depends on the length of the trailer. The system calculates this by driving the vehicle forwards, including cornering. Before the trailer length has been calculated, the maximum articulation angle is approximately 23°. The longer the trailer, the greater the maximum articulation angle (max. approximately 60°).
- ① Be aware of all surroundings and always remain ready to brake.

Trailer hitch

Notes on trailer operation

⚠ WARNING Risk of accident due to unsuitable ball neck

If you install an unsuitable ball neck, the trailer hitch and the rear axle may be overloaded.

This can significantly impair the driving characteristics and the trailer may become loose. There is a risk of fatal injury.

- ▶ Only install a ball neck that complies with the permissible dimensions and is

designed for the requirements of trailer operation.

- ▶ Do not modify the ball neck or the trailer hitch.

The values approved by the manufacturer can be found on the identification plates and in the "Technical data" section under "Trailer hitch" for the towing vehicle (→ page 476).

⚠ WARNING Risk of accident due to vehicle/trailer combination swerving

If you drive too fast in trailer operation, the vehicle/trailer combination may start to swerve.

This could cause you to lose control of the vehicle/trailer combination. The vehicle/trailer combination may even rollover.

- ▶ Under no circumstances should you try to straighten the vehicle/trailer combination by increasing your speed.
- ▶ Reduce the speed and do not countersteer.

- ▶ Brake if necessary.

Retrofitting a trailer hitch is permissible only if a trailer load is specified in your vehicle documents. If this is not the case, the vehicle is not approved for trailer operation.

Further information can be obtained at a qualified specialist workshop.

If the trailer coupling is detachable, it is essential to comply with the operating instructions of the trailer coupling manufacturer.

Couple and uncouple the trailer carefully. If you do not couple the trailer to the towing vehicle correctly, the trailer may become detached.

Observe the following notes on the tongue weight:

- do not use a tongue weight that exceeds or falls below the permissible tongue weight
- use a tongue weight as close as possible to the maximum tongue weight

Do not exceed the following values:

- Permissible trailer load

- Permissible rear axle load of the towing vehicle
- Permissible gross mass of the towing vehicle
- Permissible gross mass of the trailer
- Maximum permissible speed of the trailer

Ensure the following before starting a journey:

- the tire pressure on the rear axle of the towing vehicle is set for a maximum load
- the lighting of the connected trailer is operational

In the event of increased rear axle load, the car/trailer combination may not exceed a maximum speed of 62 mph (100 km/h) for reasons concerning the operating permit. This also applies in countries in which the permissible maximum speed for car/trailer combinations is above 62 mph (100 km/h).

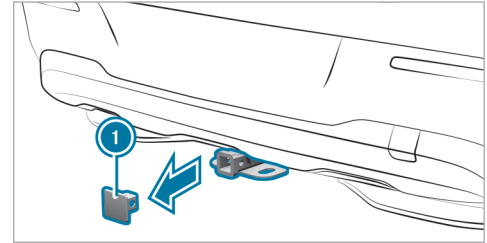
Attaching the ball neck

⚠ WARNING Risk of accident and injury due to incorrectly installed ball neck

If the ball neck is not properly mounted and secured, it may come loose along with the trailer while the vehicle is in motion and endanger other road users. There is a risk of fatal injuries.

- ▶ Mount and secure the ball neck as described in the installation instructions of the ball neck manufacturer.
- ▶ With the ball neck mounted, always make sure it is properly secured before commencing a journey.

Attaching the ball neck



- ▶ Secure the vehicle against rolling away.
- ▶ Remove cover cap ① from the ball neck mount in the direction of the arrow.
- ▶ Store cover cap ① such that it cannot move around.
- ▶ Comply with the installation instructions of the ball neck manufacturer.

Observe the notes on loading the vehicle.

- i** For Trailer Maneuvering Assist to function properly, the taught-in values for the ball head position must be reset after each change of trailer and ball neck, and when the ball head position is changed. A calibration drive must then be performed again. Information on resetting and calibration drive (→ page 325).

Coupling up/uncoupling a trailer

⚠ WARNING Risk of injury due to a change in vehicle level

The vehicle level may be changed unintentionally, e.g. by other persons. If you couple or uncouple the trailer during this time, you may become trapped. In addition, other people could become trapped if their limbs are between the vehicle body and the tires or underneath the vehicle.

Observe the following when coupling or uncoupling:

- ▶ Do not open or close any doors or the tailgate.

- ▶ Do not lock or unlock the vehicle.

The trailer will be correctly detected by the vehicle only if the following conditions are met:

- the trailer is connected correctly
- the trailer lighting system is in working order

- i** Before Trailer Maneuvering Assist is used and each time the trailer is changed, a calibration drive must be performed with the ball neck used (→ page 325).

A correctly connected trailer influences, among other things, the functions of the following systems:

- ESP® trailer stabilization
- Trailer Maneuvering Assist
- Active Lane Keeping Assist
- Parking Assist PARKTRONIC
- Active Parking Assist
- Blind Spot Assist
- Active Blind Spot Assist
- Drive Away Assist

- Cross traffic warning
- Close-range braking
- Rear view camera
- 360° camera
- AIRMATIC

Vehicles without level control system: the ball head height will change depending on the vehicle's load. In this case, use a trailer with a height-adjustable drawbar.

Coupling up a trailer

! **NOTE** Damage to the starter battery due to full discharge

Charging the trailer battery using the power supply of the trailer can damage the starter battery.

- ▶ Do not use the vehicle's power supply to charge the trailer battery.

Information about a suitable ball neck for Mercedes-Benz vehicles can be obtained from a

qualified specialist workshop, e.g. an authorized Mercedes-Benz Center.

- ▶ Secure the vehicle against rolling away.
- ▶ Remove the cover cap from the ball neck mount and store it in a safe place (→ page 323).
- ▶ Position the trailer on a level surface behind the vehicle and couple it up to the vehicle.
- ▶ Establish the electrical connection between the vehicle and the trailer.

i Accessories can be connected to the permanent power supply up to 180 W and to the power supply that is switched on via the ignition lock.

Uncoupling a trailer

⚠ WARNING Risk of being crushed and becoming trapped when uncoupling a trailer

When uncoupling a trailer with an engaged inertia-activated brake, your hand may become trapped between the vehicle and the trailer drawbar.

- ▶ Do not uncouple trailers with an engaged overrun brake.

! **NOTE** Damage during uncoupling with an engaged overrun brake

The vehicle may be damaged if you uncouple with an engaged overrun brake.

- ▶ Do not uncouple trailers with an engaged overrun brake.

⚠ WARNING Risk of becoming trapped when disconnecting the trailer cable

The vehicle may lower when you disconnect the trailer cable.

This could result in other people becoming trapped if their limbs are between the vehicle body and the tires or underneath the vehicle.

- ▶ Make sure nobody is underneath the vehicle or in the immediate vicinity of the wheel arches when you disconnect the trailer cable.

- ▶ Secure the vehicle against rolling away.
- ▶ Disconnect the electrical connection between the vehicle and the trailer.
- ▶ Uncouple the trailer.
- ▶ Remove the ball neck, following the ball neck manufacturer's installation instructions.
- ▶ Place the cover cap on the ball neck mount.

Selecting a trailer type

Multimedia system:

→  ▶ Settings ▶ Vehicle ▶ Driving ▶ Trailer type

Configuring settings for a trailer

The settings on this menu will improve the energy forecast at the start of the trip. As a result, charging stations will be selected more accurately, for example, and charging time will be optimized.

- ▶ Select the desired trailer type.
- ▶ Select the maximum permissible speed for the selected trailer.
- ▶ **To save changes:** select **Confirm**.

- i** When contact with the trailer socket is established (trailer/rear bicycle rack), a menu will automatically appear on the display.

The following options are available:

- Bicycle rack
- Small trailer
- Large trailer

Calibrating a trailer coupling

- ▶ Select **Trailer coupling has been changed** to start calibration for the new ball head position.
- ▶ **To save changes:** select **Confirm**.
- ▶ Activate Trailer Maneuvering Assist and follow the corresponding instructions on the central display.
When the **Activated: Trailer Maneuvering Assist** message is displayed, calibration is complete and Trailer Maneuvering Assist can be used.

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 424)
- The notes on towing the vehicle with both axles on the ground (→ page 425)

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 power meter level

- Range according to average consumption, personal driving style or high-consumption driving style
- State of charge of the high-voltage battery
- Indicator and warning lamps

Additional functions available include the following:

- Various menus, such as **Assistance** and **Navigation**
- Status displays for the driving systems
- Display messages

Some menu content and settings can be changed.

Notes on the range

The range in general

- All ranges shown are assumptions based on various calculation bases. The actual range achieved may differ from the range displayed.
- Outside temperatures, climate control settings, vehicle interior temperatures, road con-

ditions, driving style etc. directly influence the achievable range.

- Pay attention to the charging prompts at all times.

Range according to personal driving style

- Your previous personal consumption will be taken into account when the range is being calculated.
- While the navigation system or commuter route is active, additional information about the route ahead can be included in the range calculation.

Range with low consumption

- The maximum range shows the potential range when consumption is low, e.g. as a result of economical driving or having the air conditioning system turned off.

Range with high consumption

- The minimum range shows the range when consumption is high, e.g. as a result of a sporty driving style or having the air conditioning system turned on.

- This range is determined based on past and current consumption figures.

Electrical 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**.
- ❗ If the range maximization function is switched on, the range on the speedometer may increase depending on the potential range (→ page 206).

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 231) once for roughly three seconds to switch off the drive system.
- ▶ Contact a qualified specialist workshop immediately.
- ▶ Have the vehicle transported rather than towed.

- ⓘ In addition, note the additional information about switching off the vehicle (→ page 231) and the notes on transporting the vehicle (→ page 427).

Operating the driver display

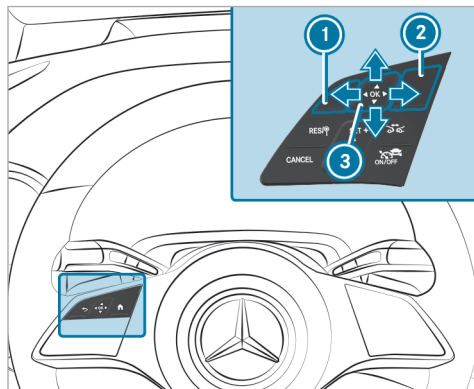
⚠ WARNING Risk of distraction from information systems and communications equipment

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.

- ⓘ To operate Touch Control ③ in the most effective way, use the tip of your thumb if possible. You can also set the sensitivity of the Touch Control on the central display.
- ▶ 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.

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 menu can be called up via the menu bar on the driver display:

- [Understated](#)
- [Sport](#)
- [Classic](#)
- [Navigation](#)
- [Assistance](#)
- [Offroad](#) (vehicles with 4MATIC)
- [Service](#)

On some of these menus, you can choose from a range of information for the center display content.

On most of the menus, you can use [Options](#) to configure further settings for the menu-specific display content.

You can find further information about the possible settings and selections on the menus in the Digital Operator's Manual.

Head-up Display

Function of the head-up display

The head-up display projects various content into the driver's field of vision, for example.

You can use the head-up display menu bar to select different contexts, e.g.:

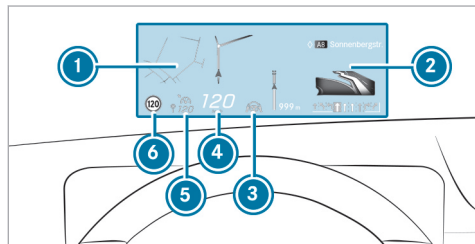
- Minimal
- Sport
- Standard
- Augmented reality
- Offroad (vehicles with 4MATIC)

- ECO display (depending on model and equipment) (→ page 202)
- Settings
- Head-up display on/off


i Depending on the equipment, the functions may differ from the description and images in this Operator's Manual. For example, route guidance with augmented reality is not available in all equipment variants.

The following image shows an example of the head-up display. You can choose what content is displayed (→ page 333).

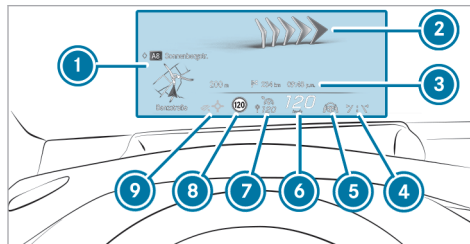
Head-up display content with navigation (9x3°)



- ① Navigation instructions
- ② Navigation instructions (distance to the next route event)
- ③ Steer Assist status
- ④ Current speed
- ⑤ Set speed in the driving system (e.g. cruise control)
- ⑥ Detected traffic signs (Traffic Sign Assist)


When you receive a call, the  **Call Waiting** message will appear on the head-up display and the driver display.

Head-up display with navigation and augmented reality (10x5°)



- ① Navigation instructions
- ② Augmented reality navigation instructions
- ③ Navigation status displays (e.g. remaining distance to the destination, expected time of arrival)
- ④ Active Lane Keeping Assist status
- ⑤ Steer Assist status
- ⑥ Current speed
- ⑦ Set speed in the driving system (e.g. Active Distance Assist DISTRONIC)
- ⑧ Detected traffic signs (Traffic Sign Assist)
- ⑨ ECO Assist

- ⑧ Detected traffic signs (Traffic Sign Assist)
- ⑨ ECO Assist

When you receive a call, the  **Call Waiting** message will appear on the head-up display and the driver display.

System limits

Visibility is influenced by the following conditions in particular:

- Seat position
- Image position setting
- Ambient light
- Wet road surfaces
- Objects on the display cover
- Polarization in sunglasses

Function of the head-up display with augmented reality

- ① Augmented reality is available only in conjunction with the 10x5° head-up display.

332 Driver's display

The head-up display with augmented reality projects content into the driver's field of vision, such as:

- Information from and visualization of the navigation system
- Information from and visualization of the driver assistance systems, e.g. Active Distance Assist DISTRONIC
- Information from the menus of the driver's display



Head-up display with augmented reality (example)

- ① Marker for the detected vehicle in front (Active Distance Assist DISTRONIC)
- ② Change-of-direction arrows for the route (navigation)
- ③ Driver assistance system status bar

The marker for the detected vehicle in front and the change-of-direction arrows for the route are dynamic displays. The vehicle marker stays with the vehicle in front, and Active Distance Assist regulates your speed based on this. The change-of-direction arrows point the way calculated by the navigation system.

System limits

The marker for the detected vehicle in front may be inaccurate or may not be applied to the correct vehicle in some situations. Always pay attention to the actual driving situation.

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 digitized.


Visibility is influenced by conditions including the following:

- Driver camera and multifunction camera recording
- The extent to which the windshield in the area of the multifunction camera is dirty, or if the camera is fogged up, damaged or obscured

Further system limits of the head-up display (→ page 330).


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.
- i Vehicles with augmented reality function:** when the position is adjusted, the status bar will be moved upwards and the display section made smaller. This may slightly affect the

area on which the augmented reality content is displayed.

Selecting the head-up display with augmented reality


- ▶ Press the main menu button .
- ▶ **To select the menu bar of the head-up display:** swipe upwards on the Touch Control.
- ▶ **To select the head-up display with augmented reality:** swipe to the left or right on the Touch Control to activate the content.

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.

334 Driver's display

- ▶ Swipe on the Touch Control and select **Head-up Display**.
- ▶ Press Touch Control **OK**.

Setting the head-up display in the multimedia system

Multimedia system:



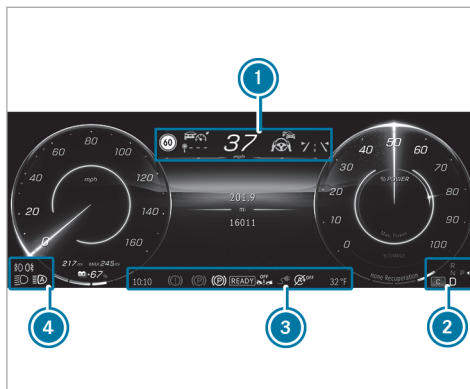
Switching the head-up display on/off

- ▶ Select **Head-up Display**.
The head-up display is activated or deactivated.

Overview of status indicators on the driver display

The status indicators for the driving and driving safety systems can be found in display sections ① to ④.

① to ④.



① The number, position and presentation of the status indicators on the driver display depend on which systems are activated or deactivated.

- ④ Pedestrian detection (on assistant display only) (→ page 159)
- ② Active Parking Assist is available (→ page 303)

- ③ Active Parking Assist has detected a parking space (→ page 303)
- ① Parking Assist PARKTRONIC deactivated (→ page 301)
- ④ Cruise control (→ page 249)
- ② Active Distance Assist DISTRONIC (→ page 251)
- ③ Specified distance for Active Distance Assist DISTRONIC (→ page 251)
- ④ Active Brake Assist switched off (→ page 274)
- ① Active Brake Assist impaired or not functioning (→ page 274)
- ② Active Steering Assist (→ page 260)
- ④ Active Lane Change Assist (→ page 265)
- ③ Active Lane Keeping Assist (→ page 283)
- ④ Active Blind Spot Assist (on assistant display only) (→ page 282)
- ② Haptic accelerator pedal (→ page 206)
- ③ HOLD function (→ page 244)
- ④ Adaptive Highbeam Assist (→ page 161)



Active Stop-and-Go Assist (→ page 258)



Slippery road surface warning

Vehicles with Traffic Sign Assist: detected instructions and traffic signs (→ page 275)

Important information from other driving systems may briefly appear in front of the displayed traffic signs.

Overview and operation

Notes on the MBUX multimedia system

⚠ 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. Depending on the equipment, the scope of function and product designation of your MBUX multimedia system may differ from the description and

images in this Operator's Manual. For example, route guidance with augmented reality is not available in all equipment variants.

ⓘ 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, optimized 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.

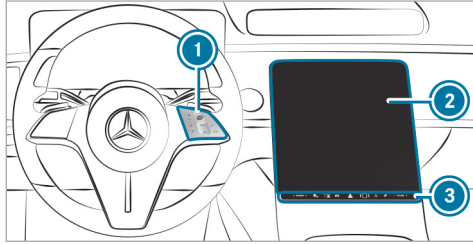
! NOTE Increased surface temperature due to direct sunlight on the central display/ front passenger display

The surface of the display is very dark.

If the display is exposed to direct sunlight, the surface may heat up considerably.

- ▶ If the display has been exposed to direct sunlight, allow it to cool down before touching it for a longer period of time.

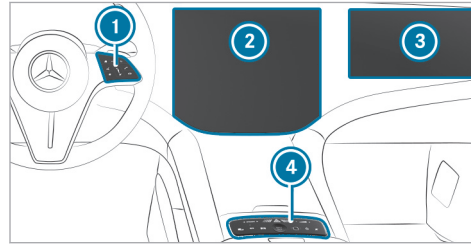
Overview of the MBUX multimedia system



Vehicles with central display

- ① Touch Control and control panel for the MBUX multimedia system
MBUX stands for Mercedes-Benz User Experience.
 - Operating Touch Control
- ② Central display with touch functionality
 - Home screen overview
 - Operating the touchscreen
- ③ Switch panel with:
 - Fingerprint sensor

- Switches the MBUX multimedia system on or off
- Switches sound on or off
- Adjusts the volume



Vehicles with MBUX Hyperscreen

- ① Touch Control and control panel for the MBUX multimedia system
 - Operating Touch Control
- ② Central display with touch functionality for the driver
 - Home screen overview
 - Operating the touchscreen

- ③ Front passenger display with touch functionality
 - Home screen overview
 - Operating the touchscreen
- ④ Switch panel with:
 - Fingerprint sensor
 - Switches the MBUX multimedia system on or off
 - Switches sound on or off
 - Adjusts the volume

Further operating options:

- Conducting a dialog with the MBUX Voice Assistant.
- Operating functions contact-free with the MBUX Interior Assistant.
The interaction then follows intelligently, reactively or with hand or head movements.
- ① You can find further information about operation as well as about applications and services in the Digital Operator's Manual.

Front passenger display (vehicles with MBUX Hyperscreen)


⚠ WARNING Risk of accident and injury due to distraction when the driver is looking at the front passenger display

If you look at the front passenger display while driving, you may be distracted from the traffic. This could also cause you to lose control of the vehicle. The front passenger display is intended exclusively for the front passenger.

- ▶ Keep the actual traffic situation constantly in view.
- ▶ Avoid looking at the front passenger display while driving.

The front passenger display is an additional touchscreen specifically for the front passenger. Requirements for displaying content on the front passenger display while driving:

- The front passenger is sitting on the front passenger seat.

- The driver camera is switched on (→ page 355).
The  symbol is shown in the status line of the central display.
- The driver camera detects the driver's head and line of sight.

It displays content from the MBUX multimedia system independently of the central display. Depending on the application, operation is independent of the driver. Depending on the market, extended content, e.g. playback of media content, is also available while driving.

If the driver keeps their eyes on the front passenger display for too long, content, e.g. moving images, will be hidden. An intelligent, camera-based blocking concept is used for this purpose.

- i** When the vehicle is parked, the front passenger can use the front passenger display under the following conditions:
- The front passenger is sitting on the front passenger seat.
 - There is interaction with the MBUX multimedia system.

If the driver has left the vehicle briefly, e.g. to go shopping, the front passenger display can also be operated.


- i** If no front passenger is present, a digital decorative image can be shown on the front passenger display.

Anti-theft protection

This device is equipped with technical provisions to protect it against theft. Further information on anti-theft protection can be obtained at an authorized Mercedes-Benz Center.

Zero layer

Function of the zero layer

The zero layer provides you with dynamic content from the MBUX multimedia system and is used to quickly access and control the applications you use. When you select  on the central display, the digital map with the applications appears in the lower display area. Compared to the home screen with a classic menu, the steps required to call up the applications are reduced. You can

switch between the zero layer and the home screen with a classic menu.

The applications can be hidden from the display area and shown again.

The zero layer provides the following modules and applications:

- EQ module and navigation module

The EQ module is always shown on the digital map. In the expanded view, charging settings and navigation functions are offered.

- Entertainment (media, radio) and telephone

When the lower display area is shown, the entertainment sources are always displayed.

A mobile phone must be connected to the MBUX multimedia system for the phone to be displayed.

- Active applications

The lower display area shows an active massage program, for example.

- Suggestions

Suggestions are displayed on the lower display area based on context and your user behavior. Here are a few examples:

- Latest calls
- Active massage programs
- Vehicle functions
- Online voice applications
- Online voice applications

In the lower display area, context-dependent services that can be executed via voice are available for direct access.

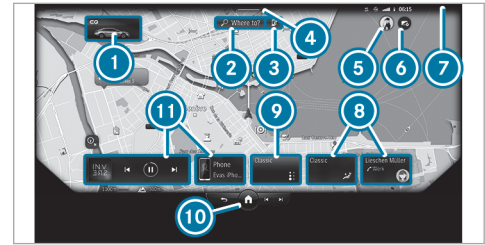
The applications are first displayed in a reduced view. By tapping on them, you can operate them or open the associated menu (expanded view).

A long press on a suggestion opens a context menu in which further functions are available.

The learning function can be switched on and off for the options (→ page 357).

Overview of the Zero Layer

Digital map and user-specific applications (example)



- 1 EQ module (reduced view)
- 2 Enters a destination
- 3 Searches for a charging station
- 4 Calls up the Control Center: pull the bar down
- 5 Calls up user profile settings
- 6 Content sharing menu
- 7 Status line
- 8 Suggestions

Requirement: suggestions are activated (→ page 357).

- 9 Active application, e.g. message program



Press briefly: displays all applications and the global search (→ page 341)




Press and hold: calls up the home screen with classic menu

- 11 Entertainment sources (media, radio) and telephone

Requirement for phone: the mobile phone is connected to the MBUX multimedia system.

The zero layer shows the digital map and the user-specific applications.

The following user-specific applications are displayed in the lower display area:

- Suggestions 
- Active applications 
- Entertainment sources and telephone 
- Online voice applications

The lower display area can be hidden and shown (→ page 341).

Information about entertainment sources

You can operate the applications in the reduced view or in the menu (expanded view) (→ page 341).

Examples:

- Control a media source, e.g. pause/play, next track, set a station
- Select tracks from the current playlist or stations from the station list
- Select a media source

The media source must be connected to the MBUX multimedia system.

Information about the telephone

To use the functions, your mobile phone must be connected with the MBUX multimedia system.

Requirement for suggestions: the [Calls & Messages](#) option is activated in the suggestions.

Examples:

- Answer a call and call a missed call

The missed calls are displayed for the mobile phone currently connected to the MBUX multimedia system.

- Display contacts and call list and call a contact
- Use voice functions
- Suggest contacts

The contacts are suggested for the mobile phone connected to the MBUX multimedia system. No contacts are suggested for a mobile phone that is linked to another user profile.

- Write messages to contacts (suggestion)
- Connect a device via the device manager (suggestion)

Information about active applications

The following functions are available:

- Operating a message program
- Operating Active Parking Assist
- Operating an ENERGIZING COMFORT program
- Raising or lowering the vehicle level

Suggestions for comfort and vehicle functions as well as navigation

Requirement: the **Comfort, Vehicle** and **Navigation** options are activated in the suggestions.

- Operating a massage program
For example, the multimedia system suggests a program at a certain time.
- Operating an ENERGIZING COMFORT program
- Opening the tailgate
Requirement: the vehicle is equipped with trunk lid convenience closing.
- Opening and closing the convenience doors
Requirement: the vehicle is equipped with comfort doors.
- Setting the vehicle level
- Making heating settings
- Activating/deactivating Parking Assist PARKTRONIC
- Selecting previous destinations and destinations from favorites

Suggestions for online voice applications

Requirement: the **Online Voice Services** option is activated in the suggestions.

The suggested voice applications are made available online and are based on your previous voice inputs.

Examples:

- What will the weather be like tomorrow?
- Play the messages.
- Start geoquiz.
- Open the garage door.


■ Calling up and operating the zero layer

Calling up the zero layer



When the vehicle has been switched on, the zero layer is displayed with the digital map. Navigation is active.

▶ **From another application:** press the  button on the right side of the steering wheel.

or

▶ Tap on .

Operating applications in the reduced view (examples)

▶ **Media:** to play the previous or next track, tap  or .

▶ **To answer a call or call a missed call:** tap on the contact.
After the connection has been established, the call functions are available.

▶ **To end a call:** tap on the contact again.

▶ **To reply to message:** tap on a message and dictate the message via the MBUX Voice Assistant.




▶ **To start a message program:** tap on the application and start the message program.

▶ **To select a previous destination:** tap on the application and select one of the previous destinations.

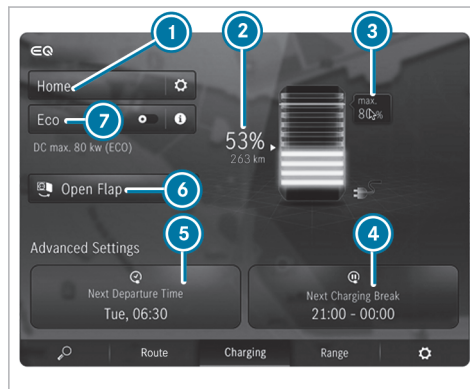
▶ **To select a destination from the favorites:** tap on the application and select the destination.

Hiding and showing the display area with applications

▶ **To hide:** pull the applications down.

- ▶ **To show:** pull the bar above  upwards.
- or
- ▶ Select .
- or
- ▶ Press the  button on the steering wheel on the right.

EQ module (expanded view)





- ① Setting the charging program (→ page 229)
- ② Current state of charge of the high-voltage battery
- ③ Maximum state of charge (depending on the setting)
- ④ Sets the next charging break (to use a less expensive tariff)

- ⑤ Sets the departure time
- ⑥ Opens the socket flap
- ⑦ Activates or deactivates ECO Charging

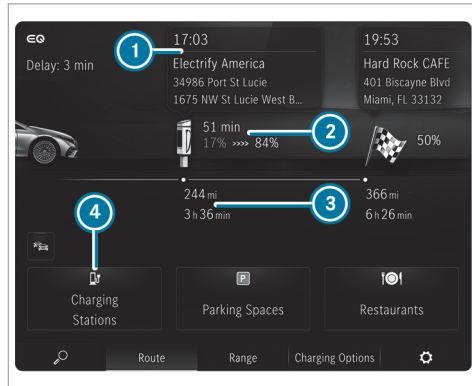
▶ Tap on the EQ module (→ page 339). The charging settings are displayed.

Additional EQ and navigation functions are available in the lower menu bar:

-  symbol
Enters a destination
- **Route**
The route shows charging stops and the destination.
- **Range**
Switches range maximization on or off (→ page 207).
- **Consumption**
The current and average fuel consumption will be displayed.
-  symbol
Makes settings for **View, Messages & Acoustic Signals** and **Route**.

▶ To close the menu: select .

Navigation module (expanded view)



Example: navigation module with active route guidance

- 1 Arrival time at charging stop, type of charging station

- 2 Charging stop shows the charging time recommended by the Navigation with Electric Intelligence as well as states of charge on arrival and onward journey for an optimal travel time
 - 3 Distance from current vehicle position and remaining driving time
 - 4 Searches for an additional charging station
- ▶ Tap on the EQ module (→ page 339).
- ▶ Select **Route** in the lower menu bar.

Operating a menu in the lower display area (example: active message program)



- 1 Selects a message program
- 2 Starts/stops a message program for the driver
- 3 Starts/stops a message program for the front passenger
- 4 Sets the message program intensity for the driver's or front passenger seat

▶ Tap on the application.
The expanded view of the application is displayed.

▶ To close the menu: select .



Opening and closing the context menu for a suggestion

- ▶ Press and hold on a suggestion. The context menu opens and shows the **No Longer Suggest** option, for example.
- ▶ **To close:** swipe downwards.



Removing a suggestion from the display area

- ▶ Swipe the suggestion upwards.

Showing all applications


- ▶ Press  briefly. Available applications are displayed. The global search is available.
- ▶ **To hide applications:** briefly press  again.


Switching between zero layer and home screen with classic menu


- ▶ Press and hold on . The home screen with classic menu is shown.
- ▶ **To return to the zero layer:** press and hold on .


Home screen overview



- ① Displays in the status line
 - ② Calls up user profile settings and switches user
 - ③ Calls up the Control Center: pull the bar down
 - ④ Calls up favorites
 - ⑤ Displays in the status line
 - ⑥ Shows additional applications
 - ⑦ Calls up applications
 - ⑧ Quick-access to application
 - ⑨ Global menu
-  Calls up previous menu

 Press and hold: switches between home screen and zero layer

 Previous track or previous radio station

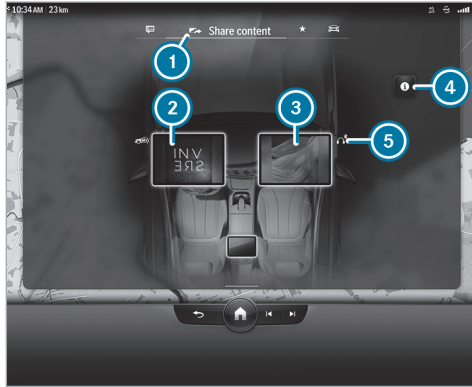
 Next track or next radio station

- ① During a telephone call, the call duration is displayed in global menu ⑨.

The following functions are called up in the Control Center:


- Notifications Center
- Content sharing menu
- Favorites
- Vehicle quick-access

Content sharing menu in the Control Center



Example: content sharing menu

- ① Calls up a menu
- ② Central display with active content (cover display)
- ③ Front passenger display

- ④ Displays animation for content sharing
- ⑤  Bluetooth® headphones connected to the front passenger display on the right

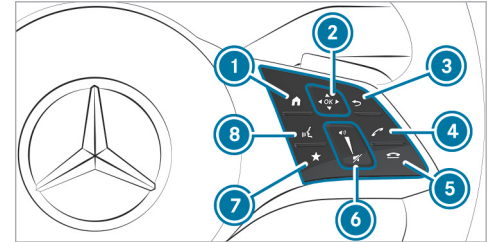
To share content, drag a display and drop it over another display.







To control media playback, tap a display.




- ① If the vehicle is equipped with the MBUX high-end rear seat entertainment system and MBUX rear tablet, the following is displayed under ② and ③:
 - The rear displays
 - The MBUX rear tablet


Operating the MBUX multimedia system



Using Touch Control



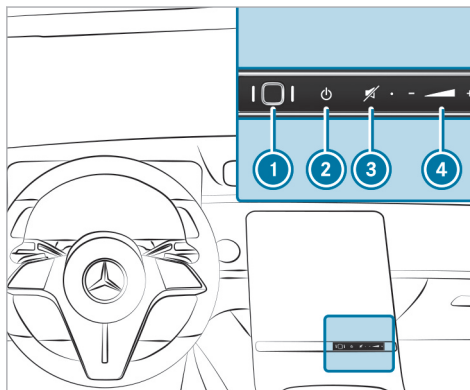
- ①  Shows the home screen
- ② Touch Control
 -  swipe in the direction of the arrow (navigate)
 -  Press (confirm)
- ③  Returns to the previous display
- ④  Makes or accepts a call
- ⑤  Rejects or ends a call
- ⑥ To increase volume: swipe upwards
To reduce volume: swipe down

- ⑦  To switch off the sound: press
- ⑦  Calls up favorites
- ⑧  Starts the MBUX voice assistant

You can navigate through menus and lists via the touch-sensitive surface of Touch Control  using a **single-finger swipe**, e.g.:



- ▶ **To enter a character:** select a character using the keyboard and press on Touch Control .
- ▶ **To select a menu option:** scroll in a list and press Touch Control .
- ▶ **To move the digital map:** swipe in any direction.

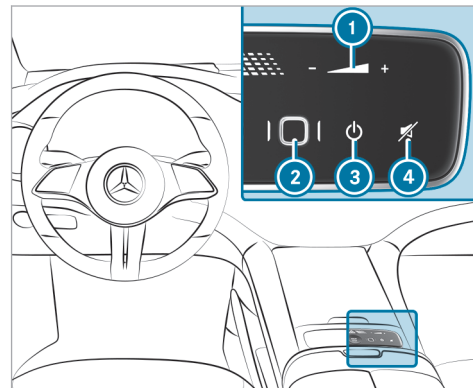
Using the touchscreen





Example: control elements for vehicles with a central display

- ① Fingerprint sensor
- ② Switches the MBUX multimedia system on or off
- ③ Switches the mute function on/off

- ④ Adjusts the volume
Press  or  or swipe over the button



Example: control elements for vehicles with an MBUX Hyperscreen

- ① Adjusts the volume
Press  or .
- ② Fingerprint sensor

- ③ Switches the MBUX multimedia system on or off
- ④ Switches the mute function on/off
- ▶ **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.
- ▶ **To navigate in menus:** swipe up, down, left or right.
- ▶ **To use handwriting to enter characters:** write the character with one finger on the touchscreen.
- ▶ **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 digital map:** turn counter-clockwise or clockwise using two fingers.

- ▶ **To move the digital map:** touch the touchscreen and move your finger in any direction.
- ▶ **To save the destination in the digital map:** touch the touchscreen and hold until a message is shown.
- ▶ **To set the volume on a scale:** touch the touchscreen and move the finger to the left or right.
- ▶ **To call up a global menu in the applications:** touch the touchscreen and hold until the **Options** menu appears.

Function of the MBUX Voice Assistant

⚠ 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.

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.
- Familiarize yourself with the voice control system functions before starting the journey. Using the MBUX Voice Assistant, vehicle functions and various areas of the MBUX multimedia system can be operated by voice input. The MBUX Voice Assistant is operational approximately half a minute after switching on the vehicle and can be

operated from all seats. Further information and examples of voice commands can be found in the Digital Operator's Manual.

You can use the MBUX Voice Assistant to operate the following functions depending on the vehicle equipment:

- Telephone
- Text messages and e-mails
- 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.

Conducting a dialog

Starting a dialog

- ▶ Say "Hey Mercedes" to activate the MBUX Voice Assistant. Voice activation must be switched on in the multimedia system.

or

- ▶ Press the  button on the multifunction steering wheel.

A blue line appears in the MBUX multimedia system. The dialog can be started.

For the dialog with the MBUX Voice Assistant, you can use complete sentences of colloquial language as voice commands. Voice activation can also be directly combined with a voice command, e.g. "Hey Mercedes, how fast can I drive?"

Calling up help

- ▶ For information about the MBUX Voice Assistant: say "Hey Mercedes, what can you do?"
- ▶ Digital Operator's Manual: "Show me the Operator's Manual". The full extent of the Digital Operator's Manual is available when the vehicle is stationary.

Operating functions (examples)

- ▶ To operate the navigation: "Search for an Asian restaurant, but not Japanese, in South Manhattan."
- ▶ To operate the phone: "Call my father."

- ▶ To change the system language to English (short command): "Change language to English".
- ▶ To operate the radio: "Show me the list of radio stations."
- ▶ To operate media: "Switch on random playback."
- ▶ To operate vehicle functions: "Switch the seat heating to level 2."
- ▶ To operate online functions: "What's the time in Sydney?"
- ▶ To ask a question about the vehicle: "Do I have Blind Spot Assist?"

Overview of the MBUX Interior Assistant

⚠ 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.

- ❶ The camera records image data for the applications, for example body, head and hand detection. The camera converts the image data directly into meta data. No image data is saved in the process. The data is only processed in the vehicle and is not transmitted from the vehicle.
- ❶ When you start the vehicle, the MBUX Interior Assistant is activated automatically. You can switch the Interior Assistant on or off. The setting is saved in your current user profile and is seat-specific. Via the user profile this is also available in other vehicles with the MBUX Interior Assistant. This means that you only have to make the setting once and can take it with you to the other vehicle.

- ❶ You can switch the Interior Assistant front and rear camera on and off using **Front** and **Rear**. The selected camera settings (on/off) are not saved in the user profile and only apply to the current vehicle. If you change to another vehicle with the MBUX Interior Assistant, please check the settings and adjust them if necessary.

The MBUX Interior Assistant is equipped with front and rear cameras.

- ❶ Alternatively, a configuration with front camera only is also available.

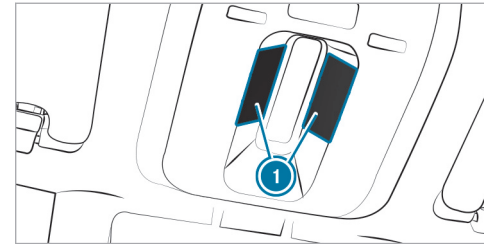
The front camera consists of two cameras that support the driver and the front passenger.

The rear camera consists of two cameras that support the left and right rear seat passengers.

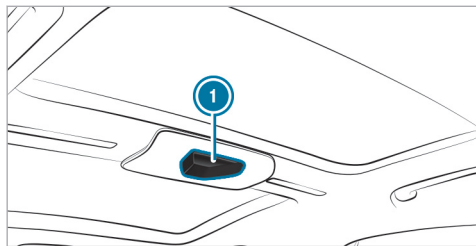
The MBUX Interior Assistant records the vehicle occupants via 3D laser cameras. The cameras of the front camera are located in the overhead control panel. The cameras of the rear camera are located in the roof bow.

The Assistant detects interactions of the vehicle occupants via the cameras. It interprets the natural hand, head and body movements of the vehi-

cle occupants either in context or at their explicit request. The Assistant can thus automatically trigger vehicle interior functions and assist appropriately to the situation.



- ❶ Arrangement of the cameras of the front camera in the overhead control panel



- ① Arrangement of the rear camera in the roof bow

The Assistant supports vehicle and infotainment functions at three interaction levels:

- **INTELLIGENT**
The Assistant recognizes vehicle occupants automatically and activates functions.
- **REACTIVE**
The Assistant recognizes 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 vehicle occupants can carry out a favorite function with a hand pose.

System limits, display messages and notes for rectification

The malfunction messages are shown on the central display, for example.

The system may be impaired or may not function in the following situations:

- The cameras may heat up during operation. As a result the cameras may switch off tempora-

rily, particularly during longer periods of operation and at high outside temperatures.

Do not touch or cover the cameras. Wait until the cameras have cooled down and are available again.

The **Interior Assistant Unavailable Further Information to Follow** message appears.

You receive a message when the camera is available again.

- The front or rear camera is covered, dirty, fogged up or scratched.
Wait until the camera has cooled down before cleaning the camera cover.

The **Currently Unavailable See Operator's Manual** message appears.

Clean the outside of the camera cover with a dry or damp cotton cloth. Do not use micro-fiber cloths. Do **not** remove the cover when cleaning.

- A vehicle occupant is very large. Clothing being worn (gloves, hat, scarf, color of clothing) or objects carried on a person, for example a watch with a large display, can affect the

camera view. Or the detection range of the camera is restricted.

No message appears.

Keep the camera's field of vision clear.

Objects in the detection range of the camera can restrict the camera view. Please make sure that no objects hang on the inside rear-view mirror, for example.

- The MBUX Interior Assistant is faulty.
The **Interior Assistant Not Available. Please contact your Mercedes-Benz dealer.** message appears.
Consult an authorized Mercedes-Benz Center.
- The **Interior Assistant in rear is currently unavailable, see operator's manual** message appears in the following circumstances:
 - Vehicles with rear bench seat: as soon as the center rear seat is occupied, the rear seat functions are not supported.
To use the Interior Assistant in the rear passenger compartment, keep the center rear seat free.

- The front passenger seat is positioned too far to the rear and is within the camera's field of vision.
Move the front passenger seat forwards.
- The 2nd seat row is not positioned fully to the rear. Vehicle occupants sitting there are too near to the camera.
Move the 2nd seat row backwards.
- The vehicle is equipped with a 3rd seat row. The seat belt tongue of one of the seats is engaged in a seat belt buckle.
To use the Interior Assistant in the rear passenger compartment, keep the seat or seat row free.
Ensure that the seat belt tongue of the rear seat belt is not engaged in the seat belt buckle of the respective seat.

Anticipatory exit warning (SAFETY/reactive)

Requirements:

- The vehicle is equipped with Active Blind Spot Assist with exit warning.
 - Active Blind Spot Assist is activated (→ page 283).
 - The vehicle is equipped with active ambient lighting or ambient lighting.
 - The cameras are switched on:
The front camera activates the front doors.
The rear camera activates the rear doors.
- i** Observe the information on the system limits of Active Blind Spot Assist with exit warning (→ page 279).
- The function can warn vehicle occupants about a possible collision with an approaching vehicle or bicycle when they exit the vehicle.
- As soon as a vehicle occupant moves their hand towards the door handle, depending on the vehicle equipment, the following warnings are issued:
- The active ambient lighting or ambient lighting flashes red.
 - The warning lamp in the outside mirror also flashes red for one of the front doors.
 - When the door is opened, a warning tone sounds.

- ① The visual warning is thus already given **before** the door is opened.
- ① Further information on Active Blind Spot Assist with exit warning (→ page 279) and on ambient lighting (→ page 164).

Switching the reading light and search light and on or off

Requirements:

- **For the reading light:** the cameras are switched on:
The front camera activates the reading light for driver and front passenger.
The rear camera activates the reading light for the left and right rear seat passengers.
- The driver's and front passenger's hand movement takes place under the inside rearview mirror. Rear passenger compartment passengers move their hand at the grab handle in front of the reading lamp.
- **For the search light:** the function is available in the vehicle when it is dark.

The cameras are switched on:

The front camera records the interaction area of the unoccupied front passenger seat.

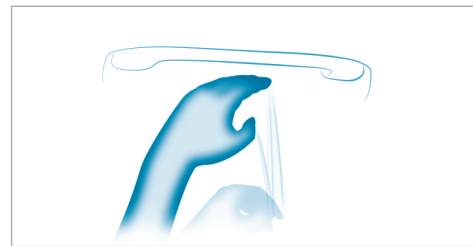
The rear camera records the interaction area of the unoccupied left or right rear seat.

- The seats covered are unoccupied or a child is sitting in a child restraint system.

Switching the reading light on and off



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



Carrying out operation of the reading light for rear passenger compartment occupants

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

Switching the search light on and off



Interaction area for activating the search light

- ▶ **To switch on:** reach with your hand into the area of an unoccupied seat. The search light is switched on automatically for the vehicle occupants.
- ▶ **To switch off:** withdraw the hand from the area of the unoccupied seat. The search light is switched off again.

Automatic preselection of the outside mirrors (COMFORT/reactive)

Requirements

- The front camera is switched on.

Until now, to set the outside mirrors the desired mirror had to be selected using a preselection button in the driver's door.

With the MBUX Interior Assistant, the mirror to be set is preselected automatically by the natural movement of your head to the left or right. When the hand touches the button for adjusting the outside mirror, the LED under the button of the pre-selected mirror side lights up.

Use the button to set the position of the active outside mirror.

- ❗ Preselection of the outside mirrors using buttons is still possible. Further information on adjusting the outside mirrors (→ page 171).
- ❗ The driver camera is also used for this application.

Calling up favorites with the V pose (INFOTAINMENT/contactless)

Requirements:

- The front camera is switched on.
- At least one favorite has been saved in the favorites list.
- The favorite is connected with the MBUX Interior Assistant.
- The area for detecting the favorites pose (V pose) is above the center console in front of the central display.
- The V pose is held for a brief time.

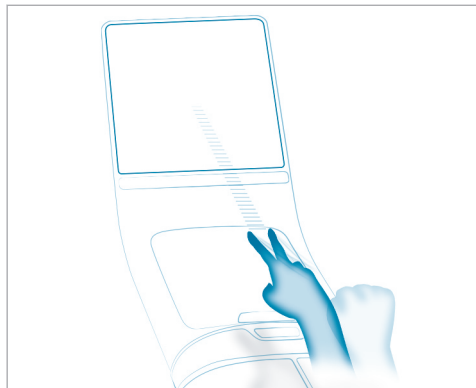
The V pose makes it easier to call up favorites.

The front vehicle occupants can associate their own favorite with the V-pose. Some examples include a navigation destination, a radio station or a massage program for a seat.

If the vehicle is equipped with a front passenger display, the front passenger can link the V-pose directly to a favorite on the front passenger display. If the front passenger performs the V-pose

as described, the favorite will open on the front passenger display.

- ❗ If a favorite has not yet been saved and connected with the MBUX Interior Assistant, the multimedia system will assist you.



Implementation of the V-pose above the stowage compartment of the center console at the height of the central display


- ▶ Position your hand above the stowage compartment of the center console at the height of the central display. The back of your hand is facing upwards. In doing so, your index and middle finger are spread to form a V. With your other fingers bent inwards.
- ▶ Briefly hold the V pose. The favorite is called up.

Function of the driver camera

The driver camera is located in the driver display. The driver camera used is a stereo camera.

The driver camera detects the following characteristics:

- Head position
 - Viewing direction
 - Eyelid closure characteristics
 - Driver's face
- ❗ The driver camera is automatically activated each time the vehicle is opened with the key.

The current status of the  driver camera is shown in the status line of the central display.

- ❗ The driver camera records image data for applications such as ATTENTION ASSIST and facial recognition, for example. The camera converts the image data directly into meta data. No image data is saved in the process. The data is only processed in the vehicle and is not transmitted from the vehicle.

The driver camera must be set up for facial recognition before use. Teaching-in biometric data (→ page 357).

System limits

The system may be impaired or may not function in the following situations:

- The camera is covered or dirty, fogged up or scratched.
- The driver's face and/or eyes are covered.
- The driver is wearing glasses that block infrared.

Display messages

In the following situations display messages may be shown:

- The driver camera is inoperative.
The camera is faulty.
The [Driver Camera Inoperative See Operator's Manual](#) message appears.
- If the driver camera cannot capture the position of your head due to the position of the steering wheel or seat.
The [Change the steering wheel/ seat position until 6 dots are visible on the upper edge of the screen.](#) message appears.
- The view of the driver camera is reduced or restricted.
The [The camera view of the driver is currently obstructed Affected functions: See operator's manual](#) message appears.
The message can appear, for example, in the following cases:
 - The camera's view is obstructed, e.g. due to a scarf or hat being worn.

- The driver is wearing glasses that block infrared.
- If hair partially obstructs the eyes, e.g. as with a long fringe.
- In the event of strong direct sunlight. The driver camera cannot detect the driver's eyes if the light-dark contrast is too strong.
- When one or both hands are on top of the steering wheel (twelve o'clock position).

Notes on care

For the display, please comply with the notes on caring for the interior (→ page 411).

Switching the driver camera on or off

Multimedia system:




[Settings](#)

[System](#)

[Intelligent Assistance](#)

The driver camera is automatically activated each time the vehicle is switched on.

 Select [On](#) or [Off](#).

When the driver camera is switched off or the [The camera view of the driver is currently obstructed Affected functions: See operator's manual](#) message appears, the following functions are not available or limited:

- The 3D driver display
- The MBUX augmented reality Head-up Display (→ page 330)
- The microsleep detection of ATTENTION ASSIST (→ page 247)
- The facial recognition
This function serves as sensor input for authentication and unlocking of the user profile and protected applications (→ page 357).
- The mirror preselection
This function allows the natural movement of the head to the left or right to automatically preselect the outside mirror to be adjusted (→ page 171).

Information on users, suggestions and favorites

⚠ 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) Pressing 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 driver's seat is equipped with an anti-entrapment feature.

If the driver's door is open, the driver's seat will **not** be set after calling up the driver's profile.

User profiles and user-specific content

Prerequisites for the vehicle owner:

- You have a Mercedes me user account.
- You have a Mercedes me PIN.
- You have agreed to the terms of use.
- The vehicle is linked to a Mercedes me user account.

i 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 individualize 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 me App or in the Mercedes me Portal.

User-specific content and applications with personal data are protected by different levels of security. To access protected content, the Mercedes me PIN and, depending on the vehicle equipment, biometric sensors can be used.

- i** 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.
- i** When a user profile is activated, the following personalized comfort systems, for example, can be adjusted or their settings loaded:
 - Seat
 - Ambient light
 - Outside mirrors
 - Roller sunblinds
 - Climate control settings

If the user profile is activated when driving, the driver's seat position will not be adjusted.

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 lighting
- Radio (including station list)
- Suggestions and favorites

Suggestions

The vehicle can learn the habits of the driver. It then makes suggestions regarding navigation destinations, phone numbers and music preferences. The requirements for that are the selection of a user, your consent to the recording of data and sufficient collected data.

Favorites

Favorites offer you quick access to frequently used applications. 100 favorites are available in total.

Configuring users, suggestions and favorites

Requirements:

- The vehicle is stationary.

Multimedia system:



Adding a user

- ▶ Select Add User . A QR code is loaded.
- ▶ Scan the displayed QR code with the Mercedes me App or any QR code scanner on a mobile device. If the Mercedes me App is not yet installed on your mobile device, you will be directed to the store of your mobile device.
- ▶ Follow the directions in the app. The vehicle is connected with your Mercedes me user account. 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.

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 is protected.
- Suggestions
The data and determination of the most probable navigation destinations, media sources, radio stations, contacts and messages are protected.
- ENERGIZING COACH

The recorded health data and their evaluation are protected.

- Mercedes me connect store

The purchase of services is protected.

▶ Switch **Protect Content** on or off.

▶ 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.

Setting up, editing and deleting biometric recognition

The biometric data models are saved in the sensors in the vehicle. If recognition has been taught-in, this sensor serves as a contributory factor for authentication on the multimedia system.

▶ Select **Protect Content**.

▶ Select **Facial Recognition**, **Fingerprint Recognition** or **Voice Recognition**.

ⓘ If necessary, authenticate yourself on the multimedia system.

Setting up facial recognition

▶ Follow the system's instructions.

Your face is scanned. A message in the driver display or central display shows whether facial recognition was successful or not. You can unlock your user profile and protected applications with the facial scan.

Setting up fingerprint recognition

▶ Place and lift your finger several times on the fingerprint sensor under the touchscreen . The finger is scanned. If the scanning procedure is successful, a message appears on the central display. You can unlock your user profile and protected applications with your fingerprint.


Setting up voice recognition

▶ Speak the sentence shown on the central display and follow the voice assistant's instructions.

If the voice recognition was successful, a message appears on the central display. You can unlock your user profile.

ⓘ Avoid background or disturbing noises during voice recognition.

Deleting biometric data

▶ Tap on , for example, behind **Fingerprint Recognition**.

▶ Select **Yes**.

Selecting a user

ⓘ 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 central 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.

- i** If you select **Continue Without Selecting a User**, no specific settings for the user profile are loaded.




Configuring and deleting suggestions

- ▶ Select .
- ▶ Select **Settings**.
- ▶ Select **System**.
- ▶ Select **Suggestions**.
- ▶ Select .
- ▶ Switch the options on or off individually. If an option is switched on and sufficient data has been gathered, personalized suggestions based on your user behavior will be offered to you on the zero layer. These are, for example, navigation destinations visited, phone numbers dialed as well as suggestions based on your music preferences.
- ▶ **To delete collected suggestions:** select .
- ▶ Select **Yes**.
The suggestions are reset.

Adding favorites from categories

- ▶ Select .
- ▶ Select .
- ▶ Select .
- ▶ Select  **Create New Favorite**.
- ▶ Select the category.
- ▶ Select a favorite.

Linking favorites with the MBUX Interior Assistant V pose

- ▶ Select .
- ▶ Select .
- ▶ Select .
- ▶ Select **Driver** or **Passenger**.
- ▶ Select the category.
- ▶ Select a favorite.

System settings

Overview of the system settings menu

In the system settings menu, you can make settings in the following menus and control elements:

- Display
 - Display brightness
 - Decorative image for the front passenger display (vehicles with MBUX Hyperscreen)
- Control elements
 - Keyboard language and handwriting recognition
 - Sensitivity of Touch Control
 - Haptic operation for the touchscreen
- MBUX Voice Assistant
- MBUX Interior Assistant
- Sound
 - Entertainment
 - Navigation and traffic announcements
 - Telephone

- Data protection
- Connectivity
 - Wi-Fi, Bluetooth®
- MBUX rear tablet child safety lock
- Time & date
- Language
- Units for distance
- System PIN
- Suggestions
- Software update
- System reset

Overview of software updates

Important software updates may be necessary for the security of your multimedia system's data. Install these updates, or else the security of your multimedia system cannot be ensured.

The multimedia system displays a corresponding message when a software update is available.

If the [Automatic Online Update](#) option is active, software updates are downloaded automatically. If

the option is deactivated, you will be informed of new software updates once. The software updates are available for downloading for a limited period of time.

Carrying out a software update:

- You can start software updates via the communication module.
 - You can start software updates via a Wi-Fi hotspot.
 - You can start map updates from an external medium.
- i** Online software updates cannot be performed via external Wi-Fi hotspots that are encrypted via TKIP.
- i** 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.
- i** To complete software updates via the communication module, the vehicle must be connected with the Internet and a Mercedes me user account.

- i** To complete software updates via Wi-Fi, the vehicle must be connected to an external Wi-Fi hotspot.

A software update consists of three steps:

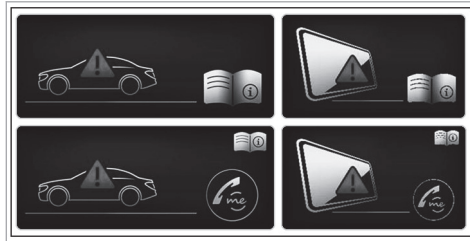
- Downloading or copying of the data required for installation
 - Installation of the downloaded software update
 - Activation of the downloaded software update
- i** It may be necessary to restart the MBUX multimedia system after completion of a software update.
- i** While some software updates are being downloaded, the multimedia system cannot be operated and the vehicle functions may be restricted.
- i** 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.
- For software updates requiring a safe vehicle status:** when the last installation step is reached, a message appears on the central display after the

vehicle is switched off. Follow the step-by-step instructions on the central 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.

Availability of the driver and central display

During the installation of software updates, it is not possible to use the vehicle, central display and driver display. You may receive the following display message when an installation is running:



- i** 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 recognize 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. (→ page 504)

Further information about software updates can be found at <https://me.secure.mercedes-benz.com>

Failure of the central display

If the central display fails or the display message shown above is shown continuously, several systems such as the rear view camera, Parking Assist PARKTRONIC or climate control are no longer available. Drive on carefully and consult a specialist workshop as soon as possible.

Front passenger display failure (only vehicles with MBUX Hyperscreen)

If the front passenger display has failed or a display message appears permanently, functions and systems are no longer available via the front passenger display. Visit a qualified specialist workshop.

Setting up a Wi-Fi hotspot

Requirements:

- The Wi-Fi function is activated on the multimedia system and the communication device to be connected.
- The communication 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.

- ❗ Some functions may first need to be activated on the communication device being connected. More detailed information can be found in the manufacturer's operating instructions.
- ❗ The use of the vehicle data tariff by external devices is not available in all countries.

Multimedia system:

➔  ➔ Settings ➔ System
➔ Internet and Bluetooth

- ❗ The availability of the functions is country-dependent.
- ▶ Select **Wi-Fi**.
The controller is to the right: Wi-Fi is switched on.

When the Wi-Fi function is switched on, you can connect the multimedia system with external hotspots or make it available as a hotspot for external devices.

When the Wi-Fi function is switched off, it is not possible to establish a hotspot connection.

When the Wi-Fi function is switched off, no connection can be established with the MBUX rear tablet.

- ❗ Depending on the vehicle equipment, you can obtain an Entertainment Package via the Mercedes me Store. In order to use the data package included, you must conclude your own contract with a mobile phone network provider via the Mercedes me 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.

- ❗ The use of the vehicle data tariff by external devices is not available in all countries.

Using the multimedia system as a Wi-Fi hotspot

- ▶ 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 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 shown 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.

- ❶ When a new security key is generated, all existing Wi-Fi connections are then disconnected. If the WLAN connections are re-established, the new security key must be entered.

Using a mobile communication device as a Wi-Fi hotspot (tethering)

- ❶ This function is country-dependent.
 - ▶ Select the **Manage Internet Access** option in the **Internet and Bluetooth** menu.
 - ❷ The Wi-Fi function on the mobile phone and Internet access via Wi-Fi must be activated (see the manufacturer's operating instructions).
 - ▶ Select **Search for Access**.
 - ▶ Select the network.
 - ▶ Log in to the Wi-Fi network.
- or
- ▶ Select the mobile phone with the  Wi-Fi symbol.

- ❸ With external Wi-Fi hotspots, which are encrypted via TKIP, online software updates cannot be carried out via the external Wi-Fi hotspot.

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:

→  ▶ **Settings** ▶ **System**
▶ **Language**

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.

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 rear view 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:

→  ▶ **Settings** ▶ **System** ▶ **Reset**

When resetting the system, personal data and settings are deleted, for example:

- Connected devices

- Individual user profiles
- Biometric data

i Data used and saved by the driving and driving safety systems as well as activated functions in the multimedia system are 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.

i 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

i This function is an on-demand feature and can be activated via Mercedes me after you purchase your vehicle. The Digital Operator's Manual contains further information on Mercedes me and on-demand features.

With AMG TRACK PACE, the driving characteristics on race tracks can be analyzed and optimized. You can drive previously saved race tracks (e.g. the Hockenheimring), or record and save new tracks. The lap times set will be stored for every track. These can be analyzed and compared with other lap times to achieve the best possible race results. Additionally, acceleration and braking operations can be measured and stored.

Note: Use AMG TRACK PACE only on closed circuits away from public roads. Adapt your driving style to your personal skill level 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.


i 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 Time Recording**.

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.

Fade in displays during Track Race



The following displays can be superimposed:

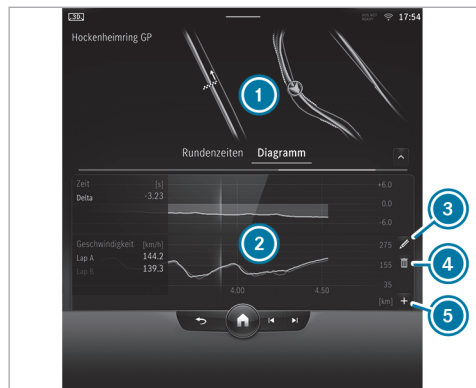
- Tire temperature
- Miniature map
- Sector overview
- Engine data
- G-force display
- Lap overview

- ▶ Select  **Start Time Recording** .
- ▶ Select .
- ▶ Drag the desired display from the grid to the left or right edge of the central 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 another session for comparison.
- ▶ 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 Deleting parameters
- ⑤ Adding a new parameter



① The following values can be set for parameters, for example:

- Speed



- Longitudinal/lateral acceleration
- Steering angle
- Engine speed
- Engine oil/tire temperature

Based on the analysis, you can check and optimize 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 **Export 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 traveled.

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 6 mph (10 km/h) to a stop. If the braking procedure is started e.g. at a speed of 98 mph (157 km/h), measurement starts as soon as 93 mph (150 km/h) has been reached

Storing and calling up measured values

If measurement is completed or canceled, 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:

- ▶  **TRACK PACE** ▶ **Telemetry**

The telemetry display shows current vehicle data as a digital value and as a diagram. Up to four parameters can be selected to be shown on the display.

For example:

- Engine speed
- Wheel angle
- Speed
- Steering angle

- ▶ Set the desired parameters.
- ▶ Set the time.
The set parameters will be evaluated for the selected time on the diagram.

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.

Multimedia system:



Connecting a mobile device via the TRACK PACE app

The TRACK PACE app makes it possible to record videos and to synchronize them with stored tracks.

- ▶ Select **TRACK PACE App**.
- ▶ Select **Authorize a New Device**.
- ▶ Start the TRACK PACE app on the device to be connected.
- ▶ Select **Continue** and confirm the authorization prompt.
A four-digit code is shown on the central display.
- ▶ Enter the code on the smartphone.
The device is authorized.

De-authorizing the mobile device

- ▶ Select **TRACK PACE App**.
- ▶ Select a device.
- ▶ Confirm the prompt with Yes.
The device is de-authorized.

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.
- ▶ **i** Further information on the display of the head-up display (→ page 330).
- ▶ **i** Further information on the driver display (→ page 327).

Setting acoustic feedback

- ▶ Select **Acoustic Feedback**.
A scale with values from 0 to 10 is shown.
- ▶ Select a setting.

Show 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 light

If this function is active, the vehicle interior is lit in red or green depending on delta time.

- ▶ Select **Ambient Light**.
- ▶ Activate or deactivate the function.

Setting the dash cam

If the vehicle is equipped with a dash cam, it can be used in AMG TRACK PACE.

- ▶ Select **Dashcam**.
- ▶ Select **Track Race** or **Drag Race** and switch on **Activate Recording**.
- ▶ You can set which overlay is to be used in the recorded video under **Video Overlay Content**.

Drive system settings

Overview of the energy flow display in the multimedia system

The active components of the drive system are highlighted on the energy flow display. The energy flow between the individual components is shown in color.

The components displayed are:

- State of charge of the high-voltage battery
- Electric motors (drive system)
- Energy flow
- High-voltage battery

The energy flow is shown in different colors depending on the operating status:

- **White:** strong acceleration (boost effect)
- **Copper:** driving at constant speed or with moderate acceleration
- **Blue:** recuperation (charging the high-voltage battery) or overrun mode

Calling up the energy flow display

Multimedia system:



- ▶ Select **Energy Flow**.
The energy flow in the vehicle will be displayed.

Off-road menu

Overview of the Offroad menu in the MBUX multimedia system

The **Offroad** menu provides an overview of the most important, relevant data for off-road driving, as well as functions to assist driving off-road and

the possibility to record tracks for subsequent re-use or for sharing with other drivers.

Cockpit

This tab provides an overview of the most important data. Content is displayed in different tiles that can be changed using directional arrows or swipes. In addition, this menu contains buttons for quick-access to certain vehicle functions relevant to off-road operation.

Displayed data are, for example:

- Artificial horizon
- Compass
- Altitude
- Steering angle of the front and rear wheels
- Torque and power
- Tire pressure and temperature
- Transparent hood



Further information on the Cockpit tab (→ page 370).

Setting the off-road menu in the multimedia system

Multimedia system:


  **» Offroad** **» Cockpit**

Setting displays in the central display

 Press ,  or on the display itself to jump to the next display.

Quick-access: activating or deactivating Parking Assist PARKTRONIC

 Press  to switch the function on or off.

 Further information on Parking Assist PARKTRONIC (→ page 297).


Quick-access: activating or deactivating ESP® (Electronic Stability Program)

 Press  to switch the function on or off.

 Further information on ESP (→ page 242).


Quick-access: activating or deactivating DSR (Downhill Speed Regulation)

 Press  to switch the function on or off.

 Further information on DSR (→ page 259).

Quick-access: setting the vehicle level

 Press  to raise or lower the vehicle.


 Additional information about vehicle level (→ page 286).

 The availability of individual functions depends on country and equipment.



Navigation and traffic


Notes on navigation

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.

 **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 maneuvers.

Switching navigation on

Multimedia system:

 Alternatively, press the  button on the steering wheel on the right (→ page 345). The Zero Layer with the digital map is displayed.

Navigation overview

Digital map and user-specific applications



- ① Navigation module (reduced view) or EQ module (reduced view)

Route guidance active:

Reduced view of the navigation module shows information relevant to the route, e.g. the next charging stop, the destination and a traffic delay

Ends the current route guidance

Tapping opens the navigation module in the expanded view with the **Route**

Route guidance not active:

EQ module is shown in the reduced view

Tapping opens the EQ module in the expanded view with the charging functions

- ② Destination entry
- ③ Calls up the Control Center in the status line
- ④ Current vehicle position (vehicle symbol or arrow)
- ⑤ Display area with entertainment sources, phone, active applications and suggestions
- ⑥ Searches for POIs, e.g. charging stations and parking facilities , as well as setting map orientation and map type
- ⑦ Navigation window shows the next driving maneuver (zoomed out view) or the route monitor (zoomed in view)

For example, with active route guidance, route sections of the route list, representations of upcoming driving maneuvers, lane recommendations

Switches off navigation announcements

Switches on navigation announcements

The following map orientations ⑥ are available:

- 2D and to the north

- 2D and direction of travel
- 3D and direction of travel
- Map with complete route

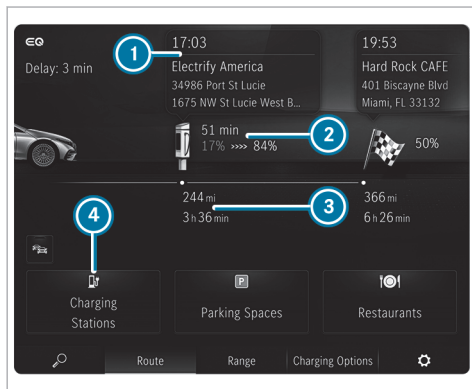
① If the map is moved, the map switches between 3D direction of travel and 2D north orientation.

The following map types ⑥ are available:

- Daytime display
- Night-time display
- Satellite map

① If you notice a problem with the digital map you can report this under <https://mapfeedback.here.com/#/report>.

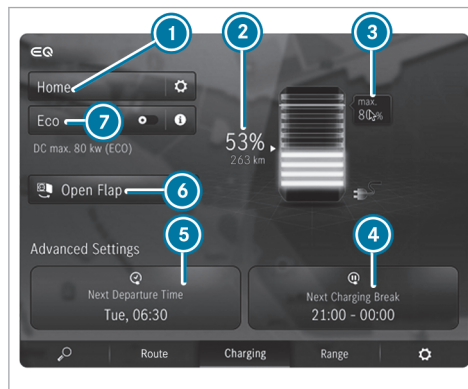
Navigation module (expanded view)



- ❶ Arrival time at charging stop, type of charging station
- ❷ Charging stop shows the charging time recommended by the Navigation with Electric Intelligence as well as states of charge on arrival and onward journey for an optimal travel time

- ❸ Distance from current vehicle position and remaining driving time
- ❹ Searches for an additional charging station

EQ module (expanded view)



- ❶ Sets the charging program (→ page 229)
- ❷ Current state of charge of the high-voltage battery

- ❸ Maximum state of charge (depending on the setting)
- ❹ Sets the next charging break (to use a less expensive tariff)
- ❺ Sets the departure time
- ❻ Opens the socket flap
- ❼ Activates or deactivates ECO charging

Overview of the toll system

- ❶ The toll system is optional equipment and is not available in all vehicles.

Debiting of toll charges at freeway toll gates is facilitated with an electronic payment system.

The toll system uses RFID (Radio Frequency Identification) for data transfer between the control unit and the toll station.

The toll system is initially switched off at the factory.

The control unit is in the vehicle glove box.

In order to be able to use the toll system, it must have been registered by the customer and activated by the service provider:

- Activate the toll system in the settings of the MBUX multimedia system or on the control unit.
- There are two ways to register and activate:
 - In the Mercedes me App, register the unit identification number of the control unit and activate the toll system.
 - Alternatively, you can register and activate via the [Toll Service](#) app.

Activation of the toll system can take up to 48 hours after registration.

When the toll system is activated, the automatic detection of the number of vehicle occupants is initially switched off at the factory. The number of vehicle occupants is preset with one person.

In order to use the toll system, the device in the glove box or in the MBUX multimedia system must be switched on.

The following applies for roads on which toll charges are dependent on the number of vehicle occupants:

- If the automatic detection of the number of vehicle occupants is switched off, the number of vehicle occupants must be selected manually. This ensures correct toll accounting.
- The number of vehicle occupants can be transmitted automatically. In the process, the number of seat belts worn is determined.
If the number of detected persons does not correspond with the number of persons actually in the vehicle, the number of persons must be manually selected.

The standard setting of one person does not need to be changed for roads which require toll payment regardless of the number of vehicle occupants.

The toll system enables the payment of toll charges in many states of the USA.

- ⓘ In Mexico, for example, the toll system can be registered and activated for journeys to the USA.

Notes on use

- You can only use the toll system once registration and activation are complete.
- Drive at the prescribed vehicle speed in the toll lane.
- Mercedes-Benz recommends operation using the MBUX multimedia system. Alternatively, this can also be done on the control unit in the glove box.
- For safety reasons, entries should be made while the vehicle is stationary.
- For further information, please consult the Mercedes me App or an authorized Mercedes-Benz Center.
Or call 1-800-FOR-MERCEdes (in the USA) or 1-800-387-0100 (in Canada).

For information on how to register and activate the toll system, see the Digital Operator's Manual.

Destination entry

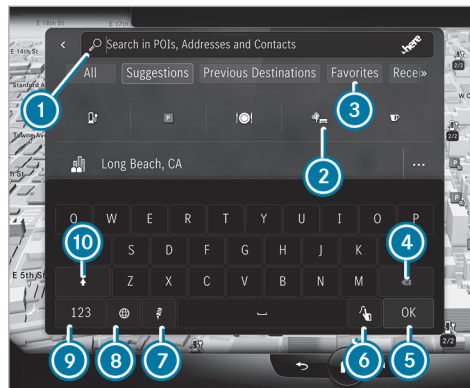
Requirements:

- **For online search:** an Internet connection is established.
- Mercedes me connect is available.
- You have set up a user account in the Mercedes me Portal.
- The vehicle is connected with the user account and you have accepted the terms of use.

Further information can be found at: <https://www.mercedes.me>

- The service is available.
- The service has been activated at an authorized Mercedes-Benz Center.

Multimedia system:



Example: entering a POI or address

- 1 Input line
- 2 POI search
- 3 Selects destination search, displays further destination searches with double arrow
- 4 Deletes the last character entered

- 5 Hides the keypad
- 6 Switches to handwriting recognition
- 7 Starts the MBUX voice assistant
- 8 Sets the written language
- 9 Switches to digits and special characters
- 10 Switches to upper-case or lower-case letters

▶ Enter the destination in 1. 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 prices. The information is provided by an online map service. This online function is not available in all countries.

i You can enter a destination as a three-word address from what3words. This option is not available in all countries.

▶ Hide the keyboard with [OK].

▶ Select the destination in the list. The route is calculated.

- ① Observe the notes on the MBUX multimedia system (→ page 336).

Calculating a route with Electric Intelligence and using settings for route guidance

Requirements:

- The destination has been entered.
 - The destination address is shown.
 - **For Navigation with Electric Intelligence:**
 - Mercedes me connect is available.
 - You have a Mercedes me user account and the vehicle is connected with the account.
 - The "Navigation with Electric Intelligence" service is available and activated in the Mercedes me Portal.
- The services "Navigation with Electric Intelligence", "Display of charging stations" and "Mercedes me Charge" are required for optimal function.
- The **Plan Charging Stops** route option is switched on.



Example: detailed display

- ① Saves destination as a favorite (**Plan Charging Stops** is switched on)
Calls up alternative routes (**Plan Charging Stops** is switched off)
- ② Calculates the route and starts route guidance

- ③ Selects a point of interest in the vicinity of the destination
- ④ Destination information, online content (e.g. weather information), three-word address from what3words, saves destination as a favorite, shares destination

After selecting a destination, Electric Intelligence automatically and intelligently calculates the route to the destination. This is updated during route guidance. The route with Electric Intelligence contains the required charging stations as intermediate destinations. The charging stations are determined taking account of the driving distance and the estimated charging times.

▶ Select one of the options.

- ① When the **Plan Charging Stops** route option is switched off, a route without charging stations is calculated.

Saving a destination as a favorite

- ▶ Select **Favorite**.
- ▶ Select an option.

Calling up the route overview



- ① When **Plan Charging Stops** is switched off, this option is available instead of the favorites function.

- ▶ Select **Routes**.
- ▶ Select an alternative route.

Starting route guidance

- ▶ Select  **Let's Go!**.

Calling up the detailed display with destination address


- ▶ Pull the bar above the  **Let's Go!** symbol upwards.
Depending on the destination selection and availability, online content, for example ratings, prices 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.

Switching on the Electric Intelligence route option

- ▶ Select  in the navigation module (→ page 371).
- ▶ Select **Route**.
- ▶ Activate **Plan Charging Stops**.
If the route has been calculated and the state of charge of the high-voltage battery is not sufficient to reach the destination, charging stations are set automatically as intermediate destinations.


Setting the state of charge of the high-voltage battery when the charging station and destination are reached

- ▶ Select  in the navigation module (→ page 371).
- ▶ Select **Route**.
- ▶ Select **State of Charge at Destination** or **State of Charge at Charging Stations**.
- ▶ Move the control knob to the left or right and set the preferred state of charge in percent (%).
The destination or charging station along the route is reached with the set state of charge.

To reach a charging station, the system uses the battery capacity, e.g. up to 10 % residual energy content (state of charge). You can increase this state of charge on arrival at the charging station and destination, e.g. to 25 % at the charging station and 50 % at the destination.

- ❗ In the event of increased energy consumption while driving, e.g. with headwind, the following options are available from the system:
 - The charging station is safely reached even at states of charge of less than 10 %.
 - Navigation with Electric Intelligence selects a closer charging station for the route.
- ❗ If a charging facility is available at the destination, the state of charge can be lowered below 10 %. The **Min.** message appears on the central display. Make sure that the range monitor is switched on.

Selecting a provider for charging stations


- ▶ Select  in the navigation module (→ page 371).
- ▶ Select **Route**.
- ▶ Activate or deactivate **Mercedes me Charge**. If the option is activated, only charging stations payable with Mercedes me Charge are taken into account when selecting the charging station.

or

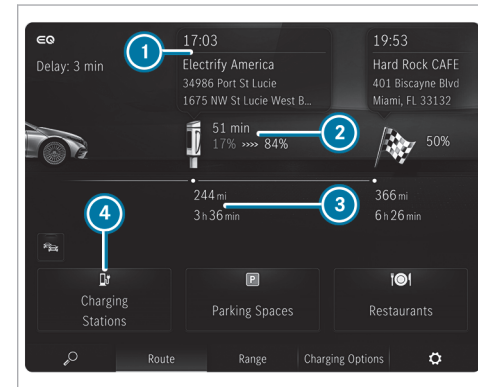
- ▶ Activate **All**. All charging stations known to the navigation system are taken into account when calculating routes with Electric Intelligence, regardless of the type of payment. It may be necessary to register with the provider.

Switching the range monitor on or off

The activated range monitoring assists with messages on the driver and central display to ensure safe arrival at the destination.

- ▶ Select  in the navigation module (→ page 371).
- ▶ Select **Route**.
- ▶ Activate or deactivate **Range Monitor**. To reach the destination with the state of charge set by the driver, the range is permanently monitored when the option is switched on.
- ❗ This function is not available in all countries.

Displaying a route overview with charging station



- ① Arrival time at charging stop, type of charging station
- ② Charging stop shows the charging time recommended by the Navigation with Electric Intelligence as well as states of charge on arrival and onward journey for an optimal travel time

- ③ Distance from current vehicle position and remaining driving time
- ④ Searches for an additional charging station

You can influence the route calculated by the Navigation with Electric Intelligence using options ① and ④.

- ▶ Select one of the options.

Ignoring a charging station

If you do not want to drive to the selected charging station, it can be removed for the current route guidance. The Navigation with Electric Intelligence tries to plan the best possible alternative charging station for the route.

- ▶ Select ①.



The expected charging power, the dynamic charge level display as well as the current state of charge and the predicted charging target are displayed, for example.
- ▶ Select **Ignore**.
- ▶ Select **Ignore during this journey**.

The charging station is removed from the current route.


- ① After selecting **Details**, the detailed information about the charging station is displayed.

Adding a charging station


If you want to drive to a charging station on the route earlier than planned, for example, you can search for an additional charging station. If the charging station is suitable for the route, it will be accepted by the Navigation with Electric Intelligence.

- ▶ Select ④.
- ▶ Select a charging station.
- ① You can also search for a charging station using the  symbol on the digital map or next to  **Where to?**.

Selecting a route type


- ▶ Select  in the navigation module (→ page 371).
- ▶ Select **Route**.

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. Traffic


announcements for the route are taken into account via **Reroute Based on Traffic** .

- ① Trailer mode and online routes are not available in all countries and for all vehicles.


Activating a commuter route

- ① A user profile has been created and **Allow Destination Suggestions** has been activated in the user options (→ page 357). Route guidance is not active.
- ▶ Select  in the navigation module.
- ▶ Select **Route**.
- ▶ 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 or delete a commuter route:** select **Start** or .

Avoiding or using route sections, e.g. highways or ferries

- ▶ Select  in the navigation module.
- ▶ Select **Route**.
- ▶ Select **Avoid Options**.
- ▶ Activate or deactivate the avoid option.

Activating route guidance with augmented reality

- ▶ Select  in the navigation module.
- ▶ Select **View**.
- ▶ Select **Augmented Reality Video**.
- ▶ Activate or deactivate **Augmented Reality Video**.
The AR camera's video image is shown on the central display before a turning maneuver. The video image includes additional information.

Showing property information for route guidance with augmented reality

Route guidance with augmented reality is activated.

- ▶ Select  in the navigation module.

- ▶ 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.

Using map functions

Multimedia system:




Increasing map scale

- ▶ When the map is shown, tap twice quickly with one finger on the central display.
- or
- ▶ Move two fingers apart on the central display.

Decreasing map scale

- ▶ Tap with two fingers on the central display.
- or
- ▶ Move two fingers together on the central display.

Moving the map

- ▶ When the map is displayed, swipe in any direction with one finger on the central display.
- ▶ **To reset the map to the current vehicle position:** select  **Center**.

Selecting map orientation

- ▶ Tap repeatedly on the  compass symbol on the map.

The map orientation changes in this order:

- The 3D map view is aligned to the direction of travel.
- The 2D map view is aligned to the direction of travel.
- The 2D map view is displayed so that north is always at the top.
- The map shows the complete route.

Using services

Requirements:

- There is an Internet connection.
- Mercedes me connect is available.


- You have set up a user account in the Mercedes me Portal.
- The vehicle is connected to a user account and you have accepted the conditions of use for the service.
Further information can be found at: <https://www.mercedes.me>
- The service is available.
- The service has been activated at an authorized Mercedes-Benz Center.

Multimedia system:



Showing traffic information

Route guidance uses traffic reports via Live Traffic Information.

- ▶ In the navigation module (expanded view), select  (→ page 371).
- ▶ Select **View**.
- ▶ Activate **Traffic**.

▶ Activate **Traffic Incidents** and **Free Flowing Traffic**.


Traffic incidents, for example roadworks, local area reports (e.g. fog) and warning messages, are shown on the route.

The traffic delay is displayed for the current route. The smallest value for the display for traffic delays is a minute.

- ⓘ For more information on Live Traffic Information, please refer to the Digital Operator's Manual.

Displaying hazard warnings


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.

- ▶ In the navigation module (expanded view), select  (→ page 371).
- ▶ Activate or deactivate **Traffic Incidents**.
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)

Displaying online map contents

- ▶ In the navigation module (expanded view), select .
- ▶ Select **View**.
- ▶ Switch on an online service, e.g. **Weather**.
Current weather information is displayed on the navigation map, e.g. temperature or cloud cover.
The service information is not shown in all map scales, e.g. weather symbols.

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


! **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.

i This service is not available in all countries.

▶ In the navigation module (expanded view), select  and switch on **Parking**.

▶ Tap on **P** the map.

or

▶ In the route overview, select **P** **Parking Spaces**.

▶ Select the search position and search filter, e.g. **Near Destination** and **Parking Garages**. The map shows car parks suited to the selected settings.

▶ Select a parking option. The map shows the parking options in the vicinity.

The following information is displayed (if available):

- Destination address, distance from current vehicle position and arrival time
- Information on the parking garage/car park

For example, 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 375).

Notes on the dashcam

! **NOTE** Risk of legal consequences due to violation of legal regulations and data protection provisions

You are legally responsible for operation and use of the dashcam functions.

The legal requirements relating to operation and use of the dashcam can vary depending on the country in which the dashcam is operated.

This function is not permitted in all countries.

- ▶ Before using the dashcam, read up on the content of the legal regulations, in particular the data protection requirements in the respective country of use.
- ▶ Observe the legal regulations, in particular the data protection requirements.

- ① Observe the following instructions for safe operation:
 - Only use FAT32 or exFAT formatted USB storage devices.

- Use USB-IF certified USB storage devices.

USB-IF is a non-profit corporation and stands for USB Implementers Forum. Based on the USB specification, USB-IF certifies, for example, USB versions, corresponding cables and plugs as well as energy supply processes via the USB interface.

- USB storage devices may be damaged if often or permanently overwritten at high speed. Mercedes-Benz recommends a high-quality external SSD drive.

The abbreviation SSD stands for Solid State Drive.

- ① The file size and therefore the duration of single recording is limited by the limitations of the USB flash drive format. So FAT32 formatted USB flash drives do not allow files larger than 4 GB, for example. When the file size is reached, the recording stops and you receive a notification.
- ① The following functions are available in the Gallery app:
 - Switching write protection on or off

- Deleting video files

Selecting a USB device for a video recording with the dashcam

Requirements:

- At least one USB device is connected with the multimedia system .

Multimedia system:

→  → Apps → Dashcam

- ▶ Select the USB symbol.
- ▶ Select the USB device.

- ① When USB devices contain multiple partitions, recorded video files are not always displayed in the recording list. Mercedes-Benz recommends that you use USB devices with one partition.

Starting or stopping a loop recording with the dashcam

Requirements:

- For recording and saving a video file: a USB device is connected with the multimedia system.
- The vehicle is switched on.

Multimedia system:

 **Apps** **Dashcam**

- ▶ If several USB devices are connected with the multimedia system, select a USB device (→ page 382).
If no USB device is selected, a selection is made automatically when recording starts.
- ▶ **To select recording mode:** select **Loop Recording**.
Loop Recording continuously records short video files. When the memory is full, recording is continued automatically. In doing so, the oldest video file is written over.

- ▶ **To start:** select **Start Recording**.
The length of the recording is shown. The **Do not remove the storage medium during recording. Before removing the storage medium, eject it first.** message appears. The video file is stored on the USB device.

- ▶ **To end:** select **End Recording**.

- ⓘ In some countries, geo-coordinates (longitude and latitude) are shown in the video image. For technical reasons, the geo-coordinates may show greater inaccuracies.

A message may appear in the following cases:

- The camera is not functional, the **Camera Unavailable** message appears.
Have the camera checked in an authorized Mercedes-Benz Center.
- If the country border indication has been switched on.
- If an outdoor recording is started with the camera app during a dashcam recording, the dashcam recording pauses and resumes automatically after the camera recording is finished. A notification to this effect is displayed.

Starting or stopping individual recordings with the dashcam

Requirements:

- For recording and saving a video file: a USB device is connected with the multimedia system.
- The vehicle is switched on.

Multimedia system:

 **Apps** **Dashcam**

- ▶ If several USB devices are connected with the multimedia system, select a USB device (→ page 382).
If no USB device is selected, a selection is made automatically when recording starts.
- ▶ **To select recording mode:** select **Individual Recording**.
Individual Recording stops recording when the memory limit is reached. An individual recording is automatically protected against being overwritten.

▶ **To start:** select **Start Recording**. The length of the recording is shown. The **Do not remove the storage medium during recording. Before removing the storage medium, eject it first.** message appears. The video file is stored on the USB device.

▶ **To end:** select **End Recording**.

ⓘ In some countries, geo-coordinates (longitude and latitude) are shown in the video image. For technical reasons, the geo-coordinates may show greater inaccuracies.

A message may appear in the following cases:

- **Individual Recording:** the memory is full or there are only a few minutes recording time available. The video recording stops or will be stopped imminently.
Change the USB device or delete a video file.
- The camera is not functional, the **Camera Unavailable** message appears.
Have the camera checked in an authorized Mercedes-Benz Center.
- If the country border indication has been switched on.

- If an outdoor recording is started with the camera app during a dashcam recording, the dashcam recording pauses and resumes automatically after the camera recording is finished. A notification to this effect is displayed.

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.

You must observe the legal requirements for the country in which you are currently driving when operating the multimedia system and mobile communication equipment in the vehicle.

▲ 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, parcel 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 trunk/cargo compartment.

Observe the additional information on stowing mobile communications devices correctly:

- Loading the vehicle (→ page 133)

Bluetooth® connection:

The menu view and the available functions in the telephone menu are in part dependent on the Bluetooth® profile of the connected mobile phone. If the mobile phone supports all the following Bluetooth® profiles, the full range of features is available:

- PBAP (Phone Book Access Profile)
 - The contacts on the mobile phone are shown automatically on the multimedia system.
- MAP (Message Access Profile)
 - The mobile phone message functions can be used on the multimedia system.
- HFP (hands-free profile)
 - Wireless telephony is available on the multimedia system.
- SAP (SIM Access Profile)

- The car telephone has access to the SIM card data and dials into the mobile phone network via the exterior antenna.

Irrespective of this, Bluetooth® audio functionality can be used with any mobile radio unit.

For information on the range of functions of the mobile radio unit to be connected, see the manufacturer's operating instructions.

Network connection:

The following cases can lead to the call being disconnected while the vehicle is in motion:

- You switch into a transmission/reception station, in which no communication channel is 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.

Further information can be obtained from an authorized Mercedes-Benz Center or at: <https://www.mercedes-benz.com/connect>.

Telephone menu overview



- ① Bluetooth® device name of the currently connected mobile phone/of the mobile phone
- ② Bluetooth® device name of the currently connected mobile phone/of the mobile phone (two phone mode)
- 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

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®.
- Two mobile phones are connected with the multimedia system via Bluetooth® (two phone mode).
 - You can use all the functions of the multimedia system with both mobile phones.

Connecting a mobile phone

Requirements

- Bluetooth® is activated on the mobile phone (see the manufacturer's Operator's Manual).
- Bluetooth® is activated on the multimedia system.

Multimedia system:



Searching for a mobile phone




- ▶ Select **Connect New Device**.

Connecting a mobile phone

- ▶ Select a mobile phone.
A code is displayed in the multimedia system and on the mobile phone.
- ▶ If both codes match, confirm the code on the mobile phone.

Functions in the telephony menu

In the telephony menu you have the following functions, for example:

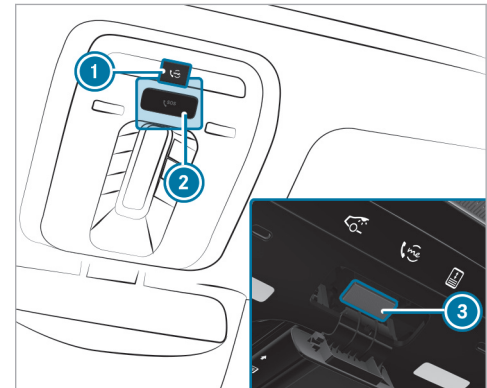
- Making calls, e.g.:
 -  Accepting a call
 -  **End Call**
 - Answering a call with a message
 -  **Conference**
 - Accepting or rejecting a waiting call

- Managing contacts, e.g.:
 - Downloading mobile phone contacts
 - Managing the format of a contact's name
 - Deleting favorites
- Receiving and sending messages, e.g.:
 - Using the read-aloud function
 - Dictating a new message

Mercedes me Apps

Mercedes me calls

Making a call via the overhead control panel



- ① me button for service or information calls
- ② SOS button cover
- ③ SOS button (emergency call system)

Making a Mercedes me 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 me call is active, an emergency call can still be triggered. This has priority over all other active calls.

Information about the Mercedes me call using the me button

A call to the Mercedes-Benz Customer Center has been initiated via the me button in the overhead control panel or the multimedia system (→ page 387).

Using the voice dialog system you access the desired service:

- Accident and Breakdown Management
- Mercedes-Benz Customer Center for general information about the vehicle

You can find information on the following topics:

- Activation of Mercedes me connect
- Operating the vehicle
- Nearest authorized Mercedes-Benz Center
- Other products and services from Mercedes-Benz

Data is transferred during the connection to the Mercedes-Benz Customer Center (→ page 390).

Calling the Mercedes-Benz Customer Center using the multimedia system

Requirements

- Access to a GSM network is available.
- The contract partner's GSM network coverage is available in the respective region.
- The vehicle must be switched on so that vehicle data can be transferred automatically.

Multimedia system:



- ▶ Call **Mercedes me connect**. After confirmation, the multimedia system sends the required vehicle data. The data transfer is shown in the display.

Then you can select a service and be connected to a specialist at the Mercedes-Benz Customer Center.

Calling the Mercedes-Benz Customer Center after automatic accident or breakdown detection

Requirements:

- The vehicle has detected an accident or breakdown situation (→ page 237).
- The vehicle is stationary.
- The hazard warning lights are switched on.

This function is not available in all countries.

The vehicle can detect accident or breakdown situations under certain circumstances.

Requirements for collision detection in the context of accident recovery:

- The vehicle is equipped with an anti-theft alarm system (ATA) (code 551).
- The vehicle is equipped with the interior protection (code 882).
- The vehicle is equipped with the Anti-Theft Protection Package (code P54).
- The collision detection service with theft notification has been activated on Mercedes me connect.

If a collision is detected when the tow-away alarm is primed on a locked vehicle, you will receive a notification in the multimedia system when you switch the vehicle on.

The message informs you about the potentially affected area of the vehicle and the strength of the collision.

In the event an accident or breakdown is detected, the emergency guide shows safety notes in the multimedia system display. This may take a few seconds.

- ❗ The availability of collision detection depends on the vehicle.

After quitting the emergency guide display on the multimedia system, a prompt appears asking whether you would like to get support from the Mercedes-Benz Customer Center.

▶ Select **Call**.

- After your agreement, or if the Mercedes me connect service "Accident and Breakdown Management" is active, the vehicle data is transferred automatically (→ page 391).
- The Mercedes-Benz Customer Center takes your call and organizes the breakdown and accident assistance.

You may be charged for these services.

- ❗ Depending on the severity of the accident, an automatic emergency call can be initiated. This has priority over all other active calls (→ page 396).
- ❗ In addition, if the Mercedes me connect service "Telediagnosics" is active, a similar prompt can appear after a delay in the event

of a breakdown. If you are already in contact with the Mercedes-Benz Customer Center or have already received support, this prompt can be ignored or declined.

- ❗ If you answer the prompt for support from the Mercedes-Benz Customer Center with **Call Later**, the message will be hidden and appear again later. The prompt triggered by the Mercedes me connect service "Telediagnosics", can either be confirmed or declined. After being declined, this will not be shown again.

■ **Arranging a service appointment via a Mercedes me call**

If you have activated the maintenance management service, relevant vehicle data is transferred automatically to the Mercedes-Benz Customer Center. 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 Center 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.

ⓘ If you select **Call Later** after the service message appears, the message is hidden and reappears at a later time.

■ Data transferred during a Mercedes me call

If you initiate a service call using Mercedes me, 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
- The activated Mercedes me connect services
- The service selected in the voice control system

ⓘ 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 transfer if Mercedes me connect services are not activated

If no Mercedes me connect services are activated, the following data is transferred:

- 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 Accident and Breakdown Management is called via the voice control system, the following data can also be called up from the vehicle by the Mercedes-Benz Customer Center:

- Current vehicle location

Data processing

The data transmitted within the scope of the call is deleted from the processing system after the call is finished, in so far as this data is not being used for other activated Mercedes me connect services.

The incident-specific data is processed and stored in the Mercedes-Benz Customer Center and, if required to process the incident, forwarded to the service partner authorized by the Mercedes-Benz Customer Center. Take note of the data protection information on the Mercedes me Internet page <https://www.mercedes.me> or in the recorded message immediately after calling the Mercedes-Benz Customer Center.

- ❗ The recorded message is not available in every country.

Mercedes me connect

■ Information on Mercedes me connect

Mercedes me connect consists of multiple services.

You can use the following services via the multimedia system and the overhead control panel, for example:

- Accident and Breakdown Management (me button or situation-dependent display in the multimedia system)
- Mercedes-Benz Emergency Call System (automatic emergency call and SOS button)

The Mercedes me connect Accident and Breakdown Management and the Mercedes-Benz emergency call center 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 387).

You can also call the Mercedes-Benz Customer Center using the multimedia system (→ page 388).

Please note that Mercedes me connect is a Mercedes-Benz service. In emergencies, first call the national emergency services using the standard national emergency service telephone numbers. In emergencies, you can also use the

Mercedes-Benz emergency call system (→ page 395).

Please note the Mercedes me connect terms of use and the data protection information for Mercedes me connect. You can find these in your Mercedes me user account.

Further information about Mercedes me connect services can be obtained in the Mercedes me Portal: <https://me.secure.mercedes-benz.com>

■ Information on Mercedes me connect Accident and Breakdown Management

- ❗ Accident and Breakdown Management is not available in every country. Contact an authorized Mercedes-Benz Center 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 395)

If necessary, the contact person at the Mercedes-Benz emergency call center forwards the call to Mercedes me connect Acci-

dent 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 authorized Mercedes-Benz Center

You may be charged for these services.

- Addition to the emergency guide after automatic accident or breakdown detection (→ page 388)

In the event of a breakdown or accident, further vehicle data is sent which enables optimal support by the Mercedes-Benz Customer Center and the authorized service partner or breakdown assistance.

- Addition to the Mercedes me connect service Telediagnosics

With the Telediagnosics 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 Center for further help. This prompt in the multimedia system only appears when the vehicle is stationary.

- ⓘ These services 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 the service and breakdown 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 395).

More information about Mercedes me connect services can be obtained in the Mercedes me Portal: <https://me.secure.mercedes-benz.com>

■ Data transferred during Mercedes me connect call services

The data transferred during a Mercedes me connect call depends on:

- The reason for initiation of the call
- The service that is selected in the voice control system
- The activated Mercedes me connect services

You can find out which data is transferred when using the services in the currently valid Mercedes me connect terms of use and the data protection information for Mercedes me connect. You can find these in your Mercedes me user account.

Overview of the Mercedes me & Apps menu

When you log in with a user account to the Mercedes me Portal, then services and offers from Mercedes-Benz will be available to you.

For more information consult an authorized Mercedes-Benz Center or visit the Mercedes me Portal: <https://me.secure.mercedes-benz.com>

- ① Make sure you always keep the Mercedes me Apps updated.

You can call up the menu using **Apps** in the multimedia system.

In the **Apps** menu, the following options can be available:

- Connecting the vehicle with the **Mercedes me** user account
- Deleting a connection between a user account **Mercedes me** and the vehicle
- Calling up the Mercedes me services
- Calling up apps such as In-Car Office or the web browser depending on availability

Web browser overview



- ① Previous website
- ② Next website
- ③ Update
- ④ URL
- ⑤ Adds/removes bookmarks
- ⑥ Options
- ⑦ Settings

- ① Under **⋮** you have the following options:
 - **Tabs**
 - **Bookmarks & History**
 - **Reading Mode**
 - **Share Link**
 - **Share Content**
 - **Request Mobile Website**
- ① Websites cannot be shown while the vehicle is in motion.

Overview of Smartphone Integration

With Smartphone Integration, you can use certain functions on your mobile phone via the multimedia system display.

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.

The full range of functions for Smartphone Integration is only possible with an internet connec-

tion. The appropriate application must be downloaded on the mobile phone to use Smartphone Integration. The mobile phone must be switched on and connected to the multimedia system via the USB port using a suitable cable.

Apps for Smartphone Integration:

- Apple CarPlay® (wireless connection via Bluetooth® also possible)
- Android Auto (wireless connection via Bluetooth® also possible)

i For safety reasons, the first activation of Apple CarPlay® or Android Auto on the multimedia system must be carried out when the vehicle is stationary with the parking brake.

You can start Smartphone Integration using the **Devices** menu.

You can end Smartphone Integration via the **Devices** or by disconnecting the connecting cable between the mobile phone and multimedia system.

i Mercedes-Benz recommends disconnecting the connection via the device manager or the

connecting cable only when the vehicle is stationary.

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 (anonymized)

The transfer of this data is used to optimize 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 363).

The following driving status data is transmitted:

- Transmission position engaged

- Distinction between parked, standstill, rolling and driving
- Day/night mode of the driver's 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

The mobile phone uses this data to improve the accuracy of navigation, for example, when driving through a tunnel.

Mercedes-Benz emergency call system

Information on the Mercedes-Benz emergency call system

Your vehicle is equipped with the Mercedes-Benz emergency call system (“eCall”). This feature can help save lives in the event of an accident. eCall in no way replaces assistance provided from dialing 911.

Mercedes-Benz eCall only functions in areas where mobile phone coverage is available from the wireless service providers. Insufficient network coverage from the wireless service providers may result in an emergency call not being transmitted.

eCall is a standard feature in your Mercedes-Benz vehicle. In order to function as intended, the system relies on the transmission of data detailed in the Transmitted Data section that follows.

To disable eCall, a customer must visit an authorized Mercedes-Benz Service department to deactivate the vehicle’s communication module.

Deactivation of this module prevents the activation of any and all Mercedes me connect serv-

ices. After the deactivation of eCall, automatic emergency call and manual emergency call will not be available.

The vehicle must be switched on before an automatic emergency call can be made.

- ❶ eCall is activated at the factory.
- ❷ eCall can be deactivated by an authorized Mercedes-Benz dealer. Please note that in the event ownership of the vehicle is transferred to another owner in its deactivated state, eCall will remain deactivated unless the new owner visits an authorized Mercedes-Benz dealership to reactivate the system.

Overview of the Mercedes-Benz emergency call system

eCall can help to 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. However, even if a vehicle is equipped with eCall, this does not mean the system is ON. As such,

eCall does not replace dialing 911 in the event of an accident.

An emergency call can be made automatically or manually.

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.

Information on the display:

SOS NOT READY: the vehicle is not on or eCall not available.

During an active emergency call, <schar> appears in the display.

You can find more information on the regional availability of eCall at: <https://www.mercedes-benz-mobile.com/extra/ecall/>

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

You can recognize a malfunction in the emergency call system by the following displays:

- A corresponding message appears on the driver 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 air bags or Emergency Tensioning Devices after an accident
- After an automatically initiated emergency stop by Active Emergency Stop Assist

The emergency call has been made:

- A voice connection is made to the Mercedes-Benz emergency call center.
- A message with accident data is transmitted to the Mercedes-Benz emergency call center.

The Mercedes-Benz emergency call center can transmit the vehicle position data to one of the emergency call centers.

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 no connection can be made to the emergency services either, a corresponding message appears in the media display.

- ▶ Dial the local emergency number on your mobile phone.

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 center operator.
- Based on the call, the operator decides whether it is necessary to call rescue teams and/or the police to the accident site.
- If no vehicle occupant answers, an ambulance is sent to the vehicle immediately.

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 387).

or

- ▶ **To use voice control:** use the voice commands of the MBUX Voice Assistant.

The emergency call has been made:


- A voice connection is made to the Mercedes-Benz emergency call center.
- A message with accident data is transmitted to the Mercedes-Benz emergency call center. The Mercedes-Benz emergency call center can transmit the vehicle position data to one of the emergency call centers.
- 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 center operator.

- Based on the call, the operator decides whether it is necessary to call rescue teams and/or the police to the accident site.

If no connection can be made to the emergency services, a corresponding message appears in the central display.

- ▶ Dial the local emergency number on your mobile phone.

Ending an unintentionally triggered manual Mercedes-Benz emergency call

- ▶ Select  on the multifunction steering wheel. Depress button for several seconds.

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 hundred meters before the incident)
- Direction of travel

- Vehicle identification number
- Vehicle drive type
- Number of people detected in the vehicle
- Whether Mercedes me connect is available or not
- Whether the emergency call was initiated manually or automatically
- Time of the accident
- Language setting on the multimedia system

Data transmitted is vehicle information. For any questions about the collection, use and sharing of the eCall system data, please contact MBUSA's Customer Assistance Center at 800-FOR-MERC.

For Canada, please contact MBC's Customer Assistance Center at 1-800-387-0100.

Customer requests for covered information should be submitted via the same channels.

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.

Sound settings

Overview of functions in the sound menu

The setting options and functions available depend on the sound system installed. You can find out which sound system is installed in your vehicle in the Digital Operator's Manual.

Standard sound system

The following functions are available:

- Equalizer
 - Treble, mid-range and bass
- Balance and fader
- Volume
 - Automatic adjustment

Advanced sound system and Burmester® 3D surround sound system

The following functions are available:

- Equalizer

398 MBUX multimedia system


- Treble, mid-range and bass
- Balance and fader
- Sound focus
- Sound profiles
- Volume
 - Automatic adjustment

ASSYST PLUS service interval display

Function of the ASSYST PLUS service interval display

The ASSYST PLUS service interval display on the driver's display informs you of the next regular service due date.

Depending on the operating conditions of the vehicle, the remaining time or distance until the next service due date will be displayed.

You can hide this service display using the back button  on the steering wheel.

You can obtain information concerning the servicing of your vehicle from a qualified specialist workshop, e.g. an authorized Mercedes-Benz Center (→ page 36).

Displaying the service due date

Driver display:



The next service due date is displayed.

▶ **To exit the display:** press the back button  on the steering wheel.

Bear in mind the following related topic:

- Operating the driver display (→ page 329).

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.

! **NOTE** Irreparable damage to the high-voltage battery due to maintenance work not being carried out

The high-voltage battery is subject to wear. Maintenance work which is not carried out in time can lead to irreparable damage to the high-voltage battery.

- ▶ Always observe the warning messages about the high-voltage battery and immediately consult a qualified specialist workshop.
- ▶ Have the necessary maintenance work on the high-voltage battery 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. This is the case for frequent operation in mountainous terrain or on poor road surfaces, for example.

In these or similar operating conditions, have the interior air filter changed more frequently. Check the tires more frequently if the vehicle is operated under increased stress. Further information can be obtained at a qualified specialist workshop.

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.

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 399).

Maintenance Management

Notes about Maintenance Management

If the Maintenance Management service is activated, relevant data is automatically transferred to the Mercedes-Benz customer center.

The customer center transmits the data to the service partner that you have entered on the Mercedes me website at: <http://www.mercedes.me>. You will then receive individual recommendations regarding the maintenance of your vehicle.

- ① 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 center via the maintenance reminder in the multimedia system.
- ① Maintenance Management and the maintenance reminder in the multimedia system are

not available in every country. Contact an authorized Mercedes-Benz Center 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 malfunction detection and malfunction rectification.

Details on data transfer can be found in the data protection information for the Mercedes me connect services. These can be found at: <https://www.mercedes.me> under "My Account", "Data Protection & Legal Notice".

- ① Maintenance Management and the maintenance reminder in the multimedia system are not available in every country.

Telediagnosis

Notes about Telediagnosis

- i** 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 Telediagnosis 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 center depending on the fault detected. The customer center transmits the data to the service partner that you have entered on the Mercedes me website at: <http://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 center. From this message, a call can be made directly to the customer center for assistance.
- i** The transmission of a notification to the multimedia system depends on the country, vehi-

cle model and equipment and requires a fast data connection, over which the service provider has no influence.

- i** Reliable fault detection is subject to technical limitations. Therefore, only a limited selection of faults can be detected and recommendations for action transmitted to the customer center 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 Telediagnosics

When the service is activated, relevant data is automatically transferred to determine the required scope of maintenance as well as malfunction detection and malfunction rectification.

Details on data transfer can be found in the data protection information for the Mercedes me connect services. These can be found at: <https://www.mercedes.me> under "My Account", "Data Protection & Legal Notice".

- i** 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

Notes on the hood

Only the specialist personnel of a qualified specialist workshop should open the hood. Access by the customer is not permitted.

To open the hood, consult a qualified specialist workshop.

⚠ 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 hood unlocked

The hood may open and block your view.

- ▶ Never release the hood when driving.
- ▶ Before every trip, ensure that the hood is locked.

⚠ WARNING Risk of accident and injury when opening and closing the hood

The hood may suddenly drop into the end position.

There is a risk of injury for anyone in the hood's range of movement.

- ▶ Do not open or close the hood if there is a person in the hood's range of movement.

⚠ WARNING Risk of injury due to overheated vehicle

If you open the hood in the event of an overheated vehicle 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.

▶ In the event of overheating or fire in the engine compartment, keep the hood closed and call the fire service.

▶ Allow the overheated vehicle to cool down first if you need to open the hood.

⚠ 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 hood:

- ▶ 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 using the windshield wipers when the hood is open

If the windshield wipers start moving when the hood is open, you could be trapped by the wiper linkage.

- ▶ Always switch off the windshield wipers and the vehicle first if you need to open the hood.

Notes on the coolant level

Checking and topping up coolant may only be carried out by the technical staff of a qualified specialist workshop. Access by customers is not permitted.

Contact a qualified specialist workshop for checking and topping up coolant.

⚠ WARNING Risk of scalding from hot coolant

You may scald yourself if you open the cap when the drive system is at normal operating temperature.

- ▶ Allow the drive system to cool down before opening the cap.
- ▶ When opening the cap, wear protective gloves and safety glasses.
- ▶ Open the cap slowly to release pressure.

Keeping the air/water duct free

- ▶ Keep the area between the hood and the windshield free of deposits, e.g. ice, snow or leaves.

Refilling the windshield washer system

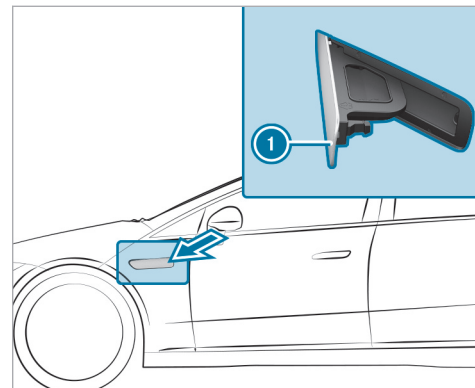
⚠ WARNING Risk of fire and injury from windshield washer concentrate

Windshield washer concentrate is highly flammable.

- ▶ Avoid fire, open flames, smoking and the creation of sparks when using windshield washer concentrate.

Requirements:

- The vehicle is unlocked.



- ▶ Press on the rear area of washer fluid filler flap ①. Washer fluid filler flap ① will open.
 - ▶ Add washer fluid.
 - ▶ Close washer fluid filler flap ①.
- ① Further information about the windshield washer fluid (→ page 472).

Cleaning and care

Information on washing the vehicle in a car wash

⚠ WARNING Risk of accident due to reduced braking effect after washing the vehicle

The braking effect is reduced after washing the vehicle.

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

ℹ 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 damage to the vehicle, switch off these systems, e.g. when towing or using a 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 DISTRONIC is deactivated.
- The HOLD function is switched off.
- The 360° camera or the reversing camera is switched off.

- The vehicle is locked and the door handles retracted.
- The side windows and sliding sunroof are completely closed.
- The exterior mirrors are folded in.
- The blower for the ventilation and heating is switched off.
- The windshield wiper switch is in position **0**.
- The key is at a minimum distance of 20 ft (6 m) away from the vehicle. Otherwise, the tailgate or a door could open unintentionally. This also applies to the Digital Vehicle Key.
- For car washes with conveyor systems:
 - Neutral **N** is engaged.
 - The vehicle is locked from the inside.
- Do not make any hand movements in the area of the overhead control panel or deactivate the [Sliding Sunroof and Roller Sunblind](#) option in the settings for the MBUX interior assistant (→ page 348).

- ❗ Removing the wax from the windshield and the wiper blades after washing the vehicle will help avoid 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 12 mph (20 km/h) (→ page 406).


When car wash mode is activated, the **Automatic Car Wash Mode Active** message will appear on the driver display. The following adjustments will be made:

- The exterior mirrors will be folded in.
- To prevent the windshield washer system from starting up automatically, the rain sensor will be deactivated.
- Air-recirculation mode will be activated.
- The rear window wiper is deactivated.
- The convenience door opening is not operational.

- Parking Assist PARKTRONIC will be deactivated.
- Active Brake Assist will be deactivated, if applicable.
- **Vehicles with 360° camera:** the front image will be activated after approximately eight seconds.
- **Vehicles with HANDS-FREE ACCESS:** kick detection will be deactivated.
- **Vehicles with AIRMATIC:** the vehicle will be raised to the maximum possible vehicle level (→ page 286).

If raising takes longer than 25 seconds, the following message will appear on the driver display:

Preparation for Automatic Car Wash Incomplete See Central Display. After some time, the vehicle will automatically continue rising.

If one of the settings cannot be selected, this will be indicated by a  after the respective setting.

Pressing **Switch Off** will cancel car wash mode. Car wash mode will automatically be deactivated above a speed of 12 mph (20 km/h).

You can also switch off car wash mode via the MBUX multimedia system (→ page 406).

The following settings will be reset when car wash mode is deactivated:

- The exterior mirrors will be folded out.
- The rain sensor will be activated.
- Air-recirculation mode will be deactivated.
- The rear window wiper is activated.
- The convenience door opening is operational again.
- Parking Assist PARKTRONIC will be reset to the previously selected setting.
- Active Brake Assist will be activated, if applicable.
- **Vehicles with 360° camera:** the front image will be deactivated at speeds above 11 mph (18 km/h).
- **Vehicles with HANDS-FREE ACCESS:** kick detection will be activated.

- **Vehicles with AIRMATIC:** the vehicle will be lowered to the previously set vehicle level.

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 **Automatic Car Wash Mode**.
- ▶ Select **Activate**.

If one of the settings cannot be selected, this will be shown by a  next to the respective setting.

- ① For an overview of the settings configured when you activate car wash mode (→ page 405).

Deactivating car wash mode

- ▶ Select **Switch Off**.
The settings of car wash mode will be reset.
- ① Car wash mode will be automatically deactivated as soon as your speed exceeds 12 mph (20 km/h).

Brake care mode

Brake care mode removes visible red rust. It cleans the brake disc while the vehicle is in motion. Activate brake care mode as soon as the first signs of red rust are visible.

Brake care mode is activated via the multimedia system (→ page 406).

Requirements for activation:

- The temperature of the brake disc is not elevated as a result of previous braking.
- Brake care mode has been activated and completed fewer than three times in the past two weeks.

If you have not been accelerating or braking, it will be active from a speed of 40 mph (65 km/h).

Brake care mode generates a slight brake pressure, which cleans the brake disc. This results in a minimal loss of speed. It may take several minutes to service the brakes. The process will be completed as soon as the necessary number of wheel revolutions has been reached. It will be paused if there is an interruption during brake servicing. Brake care mode will be resumed as soon as the initial situation is restored.

Brake care mode will automatically be deactivated in the following situations:

- The vehicle is switched off.
- The temperature of the brake discs is elevated significantly.
- The ESP[®] function intervenes.
- ① Brake care mode must be restarted after it has automatically been deactivated.

Switching brake care mode on or off

Multimedia system:

→  » Settings » Vehicle » Driving

- ▶ Activate or deactivate the function.

If the start requirements for brake care mode are not met, the button will be grayed out.

- ❶ Further information on brake care mode (→ page 406).
- ❷ Brake care mode is not available in Mercedes-AMG vehicles.

Information on using a power washer

⚠ WARNING Risk of an accident when using power washers with round-spray nozzles

The water jet can cause externally invisible damage.

Components damaged in this way may unexpectedly fail.

- ▶ Do not use a power washer with round-spray nozzles.
- ▶ Have damaged tires or chassis parts replaced immediately.

To avoid damage to your vehicle, observe the following when using a power washer:

- The key is at a minimum distance of 10 ft (3 m) away from the vehicle. Otherwise, the tailgate or a door could open unintentionally. This also applies to the Digital Vehicle Key.
- Maintain a distance of at least 11.8 in (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 27.6 in (70 cm) between the film-covered parts of the vehicle and the nozzle of the power washer. Move the nozzle of the power washer around while cleaning. The water temperature of the power washer must not exceed 140°F (60°C).
- Observe the information on the correct distance in the equipment manufacturer's operating instructions.
- Do not point the nozzle of the power washer directly at sensitive parts, e.g. tires, gaps, electrical components, batteries, illuminants or ventilation louvers.

Washing the vehicle by hand

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.
- ❶ Observe the notes on the care of vehicle parts (→ page 409).

Notes on paintwork/matte 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, films or similar materials. Only have film attached to the bumper at a qualified specialist workshop.
- Remove dirt immediately, where possible. Do not use acidic solutions and acidic cleaning agents.

Matte finish

- Only use care products approved for Mercedes-Benz.
- Do not attach stickers, films or similar materials. Only have film attached to the bumper at a qualified specialist workshop.

- Do not polish the vehicle or the light-alloy wheels.
- Only use car washes that correspond to the latest engineering standards.
- Do not use a car wash program 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 function (→ page 239).

Notes on cleaning decorative car films

Please observe the "Notes on paintwork / matt paintwork care" (→ page 407). These notes also apply for matt decorative car films.

To avoid damage, please observe the notes on cleaning decorative car films.

Cleaning

- When cleaning with a power washer, maintain a minimum distance of 27.6 in (70 cm) between the film-covered parts of the vehicle and the nozzle of the power washer.
- To clean, use lots of water and a mild cleaning agent without additional or abrasive products, e.g. a car shampoo approved for Mercedes-Benz.
- Do not use any acidic cleaning agents.
- Remove dirt immediately, if possible. Avoid hard rubbing to avoid damaging the decorative car film irreparably.
- In case of dirt embedded in the surface or a dull decorative car film: use the 'Paint Cleaner' cleaning agent 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.

- Dry vehicles covered with car film after every wash using a soft, absorbent cloth to prevent water stains.

Preventing damage to the decorative car film

- The durability and color of decorative car films are affected by:
 - Solar radiation
 - Temperature, e.g. heat gun
 - Weather
 - Stone chips and dirt
 - Chemical cleaning products
 - Products containing grease
- Do not use polishes on matt decorative car films. Polishing results in the film-covered surface developing a shine.
- Do not use wax on matt or structured decorative car films. This may result in permanent stains.

Scratches, corrosive deposits, etched areas and damage caused by inadequate care cannot always be completely repaired. In such cases, please contact a qualified specialist workshop.

For more information about special care and cleaning products, please contact the manufacturer.

Laminated surfaces may exhibit optical differences to surfaces which were not protected by a decorative film when the decorative film is removed.

- ① Have work or repairs on decorative car film carried out at a qualified specialist workshop, e.g. a Mercedes-Benz Service Center.

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 windshield wipers are switched on while the windshield is being cleaned

If the windshield wipers are set in motion while you are cleaning the windshield or wiper blades, you can be trapped by the wiper arm.

- ▶ Always switch off the windshield wipers and the drive system before cleaning the windshield or wiper blades.

- ! **NOTE** Damage caused by 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 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.
- i** After changing the wiper blades or treating the vehicle with wax, clean the windshield thoroughly with cleaning agents recommended for Mercedes-Benz. Failure to observe the

application instructions may result in damage, smear marks or glare spots.

- i** Remove external misting or dirt on the windshield in front of the multifunction camera. Otherwise, driving systems and driving safety systems may be impaired or unavailable (→ page 239).

Wheels and rims

- Use water and acid-free alloy wheel cleaners.
- Do not use acidic alloy 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 167).
- With the wiper arms folded out, clean the wiper blades with a damp cloth.

- i** 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 power washers 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 239).
- When using a power washer, maintain a minimum distance of 11.8 in (30 cm).

Cameras

- Open the camera cover with the multimedia system (→ page 297).
 - Use clean water and a soft cloth to clean the camera lenses.
 - Do not use a power washer.
- i** Remove external misting or dirt on the windshield in front of the multifunction camera. Otherwise, driving systems and driving safety systems may be impaired or unavailable (→ page 239).

Trailer hitch

- Observe the notes on care in the trailer hitch manufacturer's Operator's Manual.
- Do not clean the ball neck with a power washer or solvent.
- Remove traces of rust on the ball (e.g. with a wire brush).
- Remove dirt with a lint-free cloth.
- After cleaning, lightly oil or grease the ball head.

- i** Before using trailers with anti-swerve coupling, note the manufacturer's Operator's Manual.

Notes on care of the interior

⚠ 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 176 °F (80 °C) or exposing them to direct sunlight.

Display

- Switch off the display and let it cool down.
- Clean the surface carefully with a microfiber 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 microfiber cloth.
- For heavy soiling: Use a cleaning agent recommended for Mercedes-Benz.
- Do not attach stickers, films 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 microfiber cloth.

- Black piano-lacquer look: clean with a damp cloth and soapy water.
- For heavy soiling: 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 microfiber cloth.
- Do not use oil-based cleaning and care products.

Steering wheel made of genuine leather or DINA-MICA

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.

- Clean with a damp cloth and a 1% soap solution and then wipe with a dry cloth.
- For heavy soiling: 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 microfiber 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 color differences. These surface characteristics are particular to leather, and are not material defects. Leather is also subject to a natural aging 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.
 - For heavy soiling: 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 microfiber 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 color differences. These surface characteristics are particular to leather, and are not material defects. Leather is also subject to a natural aging 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 reduces soiling, wear marks and aging damage and thus significantly extends its life span. Clothing that can leave stains (e.g. jeans) may discolour the leather.

Imitation leather seat covers

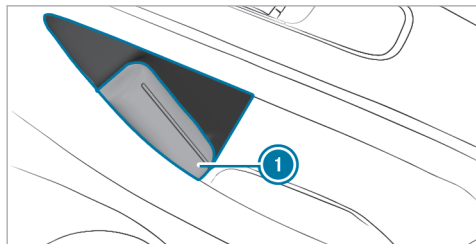
- Vacuum up dirt such as crumbs or dust and then use a damp cotton cloth and a 1% soap solution to clean the entire seat cover. Do not spot clean.
- Use cleaning and care products recommended for Mercedes-Benz.
- Do not use a microfiber cloth.
- Do not use oil-based cleaning and care products.

Cloth seat covers

- Vacuum up dirt such as crumbs or dust and then use a damp microfiber 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.

Emergency

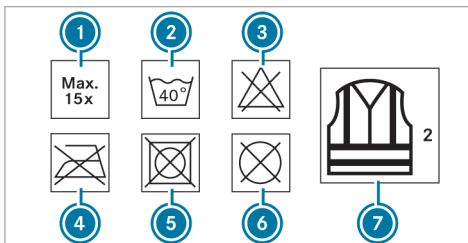
Removing the safety vest



A holding fixture for storage of the safety vests is featured in the door stowage compartments of all doors.

- ▶ To remove: pull the safety vest bag ① out of the holding fixture in the door trim.
- ▶ 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.
- ▶ Insert the safety vest bag ① into the holding fixture in the door trim as shown.

- ① 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:

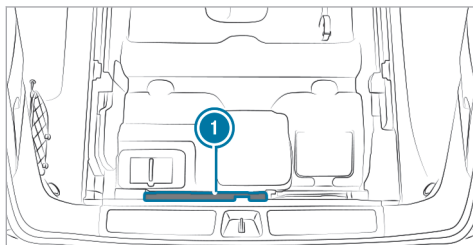
- The reflective strips are damaged or dirty.
- The maximum permissible number of washes is exceeded.
- The fluorescence property decreases, e.g. due to permanent exposure to sunlight.

Dispose of the safety vest in an environmentally friendly way:

- Please contact your local waste disposal company.

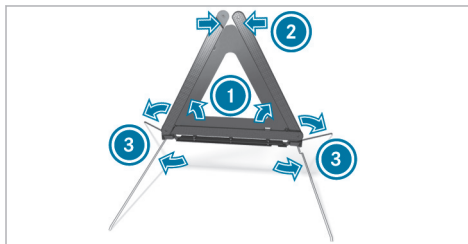
Warning triangle

Removing the warning triangle



- ▶ Open the cargo floor.
- ▶ Remove warning triangle ①.

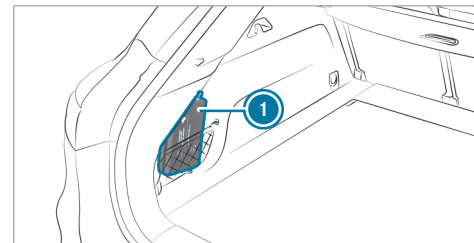
Setting up the warning triangle



- ▶ 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.

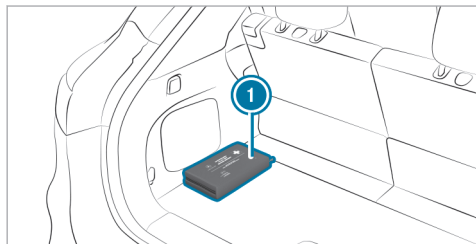
First-aid kit (soft sided)

Vehicles with two rows of seats



First-aid kit (soft-sided) ① is located on the left-hand side of the cargo compartment when the vehicle is delivered.

Vehicles with three rows of seats



First-aid kit (soft-sided) ① is located on the left-hand side of the cargo compartment when the vehicle is delivered.

Flat tire

Notes on flat tires

⚠ WARNING Risk of accident due to a flat tire

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

Tires without run-flat characteristics:

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

Tires with run-flat characteristics:

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

In the event of a flat tire, you have the following options depending on your vehicle's equipment:

- **Vehicles with MOExtended tires:** it is possible to continue your journey for a short period of time. Make sure you observe the notes on MOExtended tires (run-flat tires) (→ page 417).
- **Vehicles with a TIREFIT kit:** you can seal the tire so that it is possible to continue your journey for a short period of time. To do this, use the TIREFIT kit (→ page 418).

- **Vehicles with Mercedes me connect:** you can make a call for breakdown assistance via the overhead control panel in the case of a breakdown (→ page 387).
- **All vehicles:** change the wheel (→ page 458).

① The emergency spare wheel is available only in certain countries (→ page 464). Vehicles equipped with MOExtended tires are not equipped with a TIREFIT kit at the factory. It is therefore recommended that you additionally equip your vehicle with a TIREFIT kit if you mount tires on your vehicle that do not feature run-flat characteristics, e.g. winter tires. A TIREFIT kit may be obtained from a qualified specialist workshop.

Vehicles with a Mercedes-Benz emergency call system that are not equipped with a TIREFIT kit: in the event of a flat tire, contact the Customer Assistance Center for the Mercedes-Benz emergency call system .

Notes on MOExtended tires (run-flat tires)

▲ WARNING Risk of accident when driving in limp-home mode

When driving in emergency mode the handling characteristics are impaired.

- ▶ Do not exceed the specified maximum speed of the MOExtended tires.
- ▶ Avoid any abrupt steering and driving maneuvers as well as driving over obstacles (curbs, 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 tire side walls
- ▶ After driving in emergency mode, have the rims checked by a qualified specialist

workshop with regard to their further use.

- ▶ The defective tire must be replaced in every case.

With MOExtended tires (run-flat tires), you can continue to drive your vehicle even if there is a total loss of pressure in one or more tires. However, the tire affected must not show any clearly visible damage.

You can recognize MOExtended tires by the MOExtended marking which appears on the side wall of the tire.

Vehicles with tire pressure monitoring system: MOExtended tires may only be used in conjunction with an activated tire pressure monitoring system.

If a pressure loss warning message appears in the driver's display, proceed as follows:

- Check the tire for damage.
- If driving on, observe the following notes.

Driving distance possible in emergency mode after the pressure loss warning:

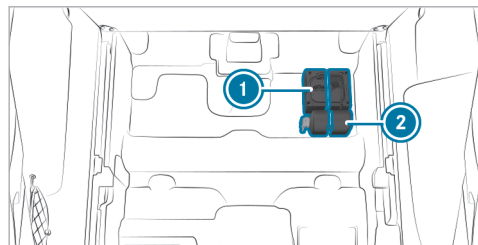
Load condition	Driving distance possible in emergency mode
Partially laden	50 miles (80 km)
Fully laden	19 miles (30 km)

The driving distance possible in emergency mode may vary depending on the driving style. Observe the maximum permissible speed of 50 mph (80 km/h).

If a tire has gone flat and cannot be replaced with an MOExtended tire, you can use a standard tire as a temporary measure.

TIREFIT kit storage location

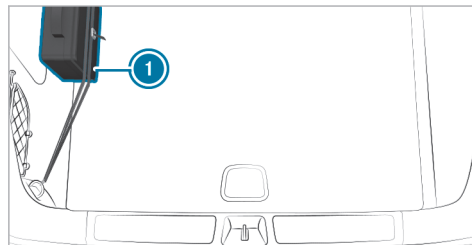
Vehicles with two rows of seats



- ① Tire inflation compressor
- ② Tire sealant bottle

The TIREFIT kit is located under the cargo floor.

Vehicles with three rows of seats



- ① TIREFIT kit

TIREFIT kit is located on the left-hand side of the cargo compartment.

Using the TIREFIT kit

Requirements

- Tire sealant bottle and tire inflation compressor are ready for use (→ page 418).
- TIREFIT sticker is displayed.
- Gloves are present.

You can use TIREFIT tire sealant to seal perforation damage of up to 0.16 in (4 mm), particularly in the tire tread. You can use TIREFIT in outside temperatures down to -4°F (-20°C).

⚠ WARNING Risk of accident when using tire sealant

The tire sealant may be unable to seal the tire properly, especially in the following cases:

- There are large cuts or punctures in the tire (larger than damage previously mentioned)
 - The wheel rims have been damaged
 - After journeys with very low tire pressure or with flat tires
- ▶ Do not continue driving.
 - ▶ Consult a qualified specialist workshop.

⚠ WARNING Risk of injury and poisoning from tire sealant

The tire sealant is harmful and causes irritation. Do not allow it to come into contact with

the skin, eyes or clothing, and do not swallow it. Do not inhale tire sealant fumes. Keep the tire sealant away from children.

If you come into contact with the tire sealant, observe the following:

- ▶ Rinse off the tire sealant from your skin immediately using water.
- ▶ If tire sealant gets into your eyes, thoroughly rinse out the eyes using clean water.
- ▶ If tire sealant has been swallowed, immediately rinse out the mouth thoroughly and drink plenty of water. Do not induce vomiting and seek medical attention immediately.
- ▶ Change out of any clothes contaminated with tire sealant immediately.
- ▶ If allergic reactions occur, seek medical attention immediately.

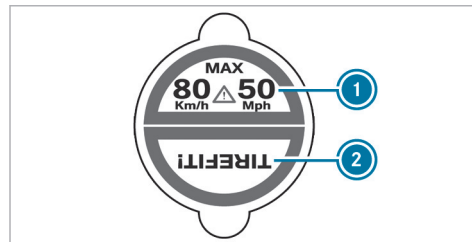
! **NOTE** Overheating due to the tire inflation compressor running too long

- ▶ Do not run the tire inflation compressor for longer than ten minutes without interruption.

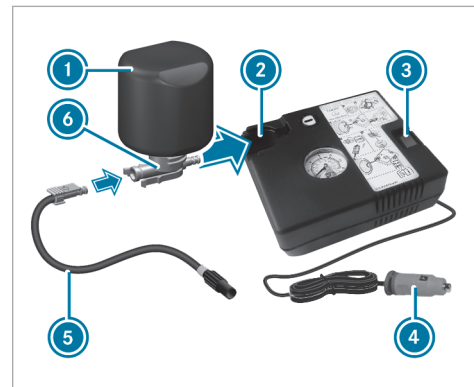
Observe the manufacturer's safety notes on the sticker on the tire inflation compressor.

Have the tire sealant bottle replaced at a qualified specialist workshop every five years.

- ▶ Do not remove any foreign objects that have pierced the tire.

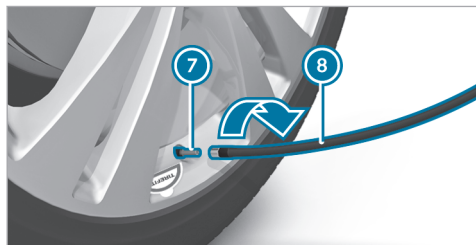


- ▶ Affix part ① of the TIREFIT sticker to the instrument cluster within the driver's field of vision.
- ▶ Affix part ② of the TIREFIT sticker near the valve on the wheel with the defective tire.



- ▶ Pull plug ④ with the cable and hose ⑤ out of the tire inflation compressor housing.

- ▶ Push the plug of hose ⑤ into flange ⑥ of tire sealant bottle ① until the plug engages.
- ▶ Place tire sealant bottle ① head downwards into recess ② of the tire inflation compressor.



- ▶ Remove the valve cap from valve ⑦ on the defective tire.
- ▶ Screw filling hose ⑧ onto valve ⑦.
- ▶ Insert plug ④ into a 12 V socket in your vehicle.
- ▶ Switch on the vehicle.

- ▶ Switch on the tire inflation compressor using On/Off switch ③.
The tire will be inflated. First, tire sealant will be pumped into the tire. The pressure may briefly rise to approximately 500 kPa (5.0 bar/73 psi).

Do not switch off the tire inflation compressor during this phase!

- ▶ Allow the tire inflation compressor to run for a maximum of ten minutes.
The tire should then have attained a tire pressure of at least 200 kPa (2.0 bar/29 psi).

If tire sealant leaks out, make sure you clean the affected area as quickly as possible. It is preferable to use clean water.

If you get tire sealant on your clothing, have it cleaned as soon as possible with perchloroethylene.

If, after ten minutes, a tire pressure of 200 kPa (2.0 bar/29 psi) has not been attained:

- ▶ Switch off the tire inflation compressor.

- ▶ Unscrew the filling hose from the valve of the defective tire.

Please note that tire sealant may leak out when you unscrew the filling hose.

- ▶ Drive the vehicle forwards or in reverse very slowly for approximately 33 ft (10 m).
- ▶ Pump up the tire again.
After a maximum of ten minutes, the tire pressure must be at least 200 kPa (2.0 bar/29 psi).

⚠ WARNING Risk of accident due to the specified tire pressure not being achieved

If the specified tire pressure is not achieved after the specified time, the tire is too badly damaged. The tire sealant cannot repair the tire in this instance.

The braking characteristics as well as the driving characteristics may be greatly impaired.

- ▶ Do not continue driving.
- ▶ Consult a qualified specialist workshop.

If, after ten minutes, a tire pressure of 200 kPa (2.0 bar/29 psi) has been attained:

- ▶ Switch off the tire inflation compressor.
- ▶ Unscrew the filling hose from the valve of the defective tire.

⚠ WARNING Risk of accident from driving with sealed tires

A tire temporarily sealed with tire 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 tire that has been repaired using tire sealant.

- ▶ Observe the maximum permissible speed of 50 mph (80 km/h) for a tire sealed with tire sealant.

! **NOTE** Staining caused by leaking tire sealant

After use, excess tire sealant may leak out from the filling hose.

- ▶ Therefore, place the filling hose in the plastic bag that contained the TIREFIT kit.

🔥 ENVIRONMENTAL NOTE Environmental pollution caused by environmentally irresponsible disposal

Tire sealant contains pollutants.

- ▶ Have the tire sealant bottle disposed of professionally, e.g. at an authorized Mercedes-Benz Center.

- ▶ Stow the tire sealant bottle and the tire inflation compressor.
- ▶ Pull away immediately.

- ▶ Stop driving after approximately ten minutes and check the tire pressure using the tire inflation compressor. The tire pressure must now be at least 130 kPa (1.3 bar/19 psi).

⚠ WARNING Risk of accident due to the specified tire pressure not being attained

If the specified tire pressure is not reached, the tire is too badly damaged. The tire sealant cannot repair the tire in this instance.

The braking and driving characteristics may be greatly impaired.

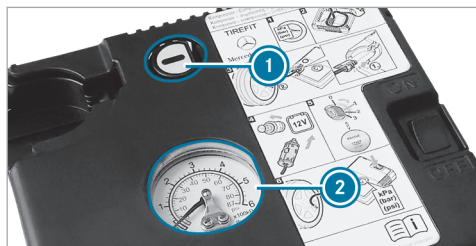
- ▶ Do not continue driving.
- ▶ Consult a qualified specialist workshop.

In cases such as the one mentioned above, contact an authorized Mercedes-Benz Center. Alternatively, call 1-800-FOR-MERCEdes (in the USA) or 1-800-387-0100 (in Canada).

- ▶ Correct the tire pressure if it is still at least 130 kPa (1.3 bar/19 psi). For values, see tire

and loading information table or tire pressure table on the B-pillar on the driver's side.

- ▶ **To increase the tire pressure:** switch on the tire inflation compressor.



- ▶ **To reduce the tire pressure:** press pressure release button ① next to manometer ②.
- ▶ When the tire pressure is correct, unscrew the filling hose from the valve of the sealed tire.
- ▶ Screw the valve cap onto the valve of the sealed tire.

- ▶ Pull the tire sealant bottle out of the tire inflation compressor. The filling hose should remain on the tire sealant bottle.
- ▶ Drive to the nearest qualified specialist workshop and have the tire, tire 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.

If you have to disconnect the 12-V-battery, contact a qualified specialist workshop.

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 the 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. Seek medical attention.



Wear safety goggles.



Keep children away.



Observe this Operator's Manual.

If you do not want to use the vehicle for an extended period, contact a qualified specialist workshop.

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.

- ▶ If there is an unusual smell, smoke or burn marks, stop the charging process immediately.
- ▶ Leave the danger zone immediately. Secure the danger area at a sufficient distance.
- ▶ Call the fire service.

Observe the notes on charging the high-voltage battery (→ page 213).



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 Operator's Manual.

Starting assistance and charging the 12-V-battery

- ▶ Only have starting assistance provided by a qualified specialist workshop, e.g. an authorized Mercedes-Benz Center.
- ▶ Only have the battery charged at a qualified specialist workshop, e.g. an authorized Mercedes-Benz Center.

Replacing the 12-V-battery

- ▶ Only have the battery replaced at a qualified specialist workshop, e.g. at an authorized Mercedes-Benz Center.

Tow starting or towing away

Overview of the permitted towing methods

! 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 damage to the vehicle, switch off these systems, e.g. when towing or using a car wash.

Mercedes-Benz recommends transporting your vehicle in the case of a breakdown, rather than towing it away.

For towing with both axles on the ground, use a tow rope or tow rod. Do not use tow bar systems.

If you notice that the vehicle has lost coolant, do not have it towed away. Have the vehicle transported instead.

! NOTE Damage to the vehicle due to towing away incorrectly

- ▶ Observe the instructions and notes on towing away.

Vehicles with rear wheel drive

Permitted towing methods	
Both axles on the ground	Yes, for a maximum of 30 miles (50 km) at 30 mph (50 km/h), only forwards with the driver in the cockpit
Front axle raised	No
Rear axle raised	Yes, for a maximum of 30 miles (50 km) at 30 mph (50 km/h)

4MATIC vehicles

Permitted towing methods	
Both axles on the ground	Yes, for a maximum of 30 miles (50 km) at 30 mph (50 km/h), only forwards with the driver in the cockpit
Front axle raised	No
Rear axle raised	No

Towing the vehicle with both axles on the ground




- ▶ Observe the notes on the permitted towing methods (→ page 424).
- ▶ Make sure that the 12 V battery is connected and charged

Observe the following points when the 12 V battery is disconnected or discharged

- The drive system cannot be started
- The electric parking brake cannot be released or applied

- The selector lever cannot be put into position **N** or **P**.

Transportation is permitted only when at least one of the following conditions occur:

- If the selector lever cannot be put into position **N**.
- if the 12 V battery is disconnected or discharged.
- If the display on the instrument cluster is not working
- If the  **Towing Not Permitted See Operator's Manual** message is displayed
- If the  **Check Coolant Level See Operator's Manual** message is displayed
- If the  **Stop Switch Off Vehicle** message is displayed

▶ In such cases, transport the vehicle (→ page 427).

! **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 30 mph (50 km/h) must not be exceeded.
- ▶ A towing distance of 30 miles (50 km) must not be exceeded.

! **WARNING** Risk of accident when towing a vehicle which is too heavy

If the vehicle to be tow-started or towed away is heavier than the permissible gross mass of your vehicle, the following situations can occur:

- The towing eye may become detached.
 - The vehicle/trailer combination may swerve or rollover.
- ▶ Before tow-starting or towing away, check if the vehicle to be tow-started or

towed away exceeds the permissible gross mass.

If a vehicle has to be tow-started or towed, its gross vehicle weight rating must not exceed the gross vehicle weight rating of the towing vehicle.

- ▶ Information on the gross vehicle weight rating can be found on the vehicle identification plate (→ page 468).

Towing the vehicle

- ▶ Install the towing eye (→ page 431).
- ▶ 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 89).
- ▶ Do not activate the HOLD function.
- ▶ Deactivate the tow-away alarm (→ page 112).

- ▶ Deactivate Active Brake Assist (→ page 274).
- ▶ Put the selector lever into position **N**.
- ▶ Release the electric parking brake.
- ▶ Remain in the cockpit during towing and observe the display messages.
- ▶ Do not switch off the vehicle while it is being towed. Do not operate the start/stop button after moving the selector lever to the **N** position.
- ▶ Do not open the driver's door or front passenger door, because the selector lever will otherwise automatically switch to position **P**.

! **WARNING** Risk of accident due to restricted safety-relevant functions during towing

Safety-relevant functions are restricted or no longer available in the following situations:

- The vehicle is switched off.

- You pressed the start/stop button after moving the selector lever into position **N**.
- The brake system or power steering is malfunctioning.
- The energy supply or on-board electrical system is malfunctioning.

▶ Do not tow the vehicle in these situations.

▶ Transport the vehicle (→ page 427).

! **NOTE** Damage to the drive system due to incorrect towing

The vehicle must not be towed in the following situations:

- The vehicle is switched off.
- You pressed the start/stop button after moving the selector lever into position **N**.
- The brake system or power steering is malfunctioning.
- The energy supply or on-board electrical system is malfunctioning.

▶ Do not tow the vehicle in these situations.

! **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 the vehicle for transportation

Requirements:

- The vehicle is stationary.
 - The vehicle is switched off.
 - The driver display is in the initial state without any opened menus (→ page 329). Transportation is also possible when a warning message is visible.
 - The 12 V battery is charged.
- ▶ If necessary, set the system language (→ page 363).

- ▶ Observe the notes on towing (→ page 425).
- ▶ Connect the towing device to the towing eye in order to load up the vehicle.

i **Vehicles with trailer coupling:** You can also attach the towing device to the trailer coupling.

- ▶ Switch on the power supply (→ page 193).
- ▶ Put the selector lever into position **N**.

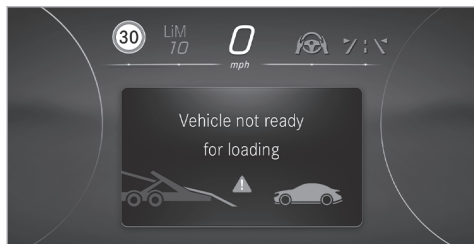
i The selector lever may be locked in position **P** in the event of electrical malfunctions. To shift to **N**, supply power to the on-board electrical system (→ page 424).

! **NOTE** Possible vehicle damage when loading or unloading

The vehicle must be raised to transport level when loading or unloading.

If the transport settings are not shown or the display message **Vehicle Not Ready for Loading** appears, the vehicle must not be loaded or unloaded.

- ▶ If necessary, raise the vehicle to transport level again.
- ▶ Do not use a ramp to load or unload a vehicle that cannot be raised to transport level. Contact a qualified specialist workshop.





⚠ WARNING Risk of accident due to activated transport level

If the vehicle is raised to transport level, driving and driving safety systems have only limited availability and the view from the vehicle is restricted.



Driving safety is severely restricted and there is a risk of an accident!

- ▶ Do not use transport level in normal road operation.
- ▶ Only activate and use transport level to load the vehicle and when not on public roads.
- ▶ Ensure that no persons or obstacles are located in the area surrounding the vehicle.

Raise vehicle to transport level

- ▶ Press and hold the  button for at least five seconds.
 - ▶ Immediately press and hold the  button for at least one second. A message reading **For Transport Level Switch On Vehicle** will be displayed.
 - ▶ Select **Vehicle transport**.
- i** Noise certification mode is intended exclusively for the technical inspection organization. This restricts the drive output of the vehi-

cle and must not be used in customer operation.

- ▶ Switch on the vehicle (→ page 194). The transportation settings will be displayed.
- ▶ Swipe down to select **Transport Level** and press .
- ▶ The vehicle will be raised and the **Vehicle raising... Do not drive onto ramp yet** message will be displayed for 5 seconds. The raising process may take up to 60 seconds and can be interrupted with the  button.
- ▶ Do not switch the vehicle off while it is being raised.

While the vehicle is being raised, you can maneuver at a maximum speed of 25 mph (40 km/h).



▶ Before loading the vehicle, wait until transport level has been reached and the **Transport Level** status is shown.

i When the vehicle is raised to transport level, the transportation settings will still be displayed even after a restart. Operation of the driver display will be restricted.

If the vehicle is at transport level, it will be lowered again in the following situations:

- You are driving at a speed greater than 25 mph (40 km/h).
- The 12 V battery is discharged.

The vehicle will be set to the height of the last active level.

Transporting the vehicle

⚠ WARNING Risk of accident when transporting vehicles

When you transport vehicles, the vehicle/trailer combination may begin to sway and start to skid.

- ▶ Secure the vehicle at all four wheels with suitable retaining straps.

! NOTE Damage to the vehicle from securing it incorrectly

- ▶ Secure the vehicle at all four wheels after loading it up. Otherwise, the vehicle could be damaged.

- ▶ Load the vehicle in the correct position.
 - Ensure that all wheels are on the transport surface.
 - Ensure that the vehicle is aligned parallel to 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 only 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** Damage to the vehicle from securing it incorrectly

- ▶ Secure the vehicle at all four wheels after loading. Otherwise, the vehicle could be damaged.
 - ▶ Keep a minimum distance of 8 in (20 cm) above and 4 in (10 cm) below the transport platform.
- ▶ Load the vehicle in the correct position.
 - Ensure that all wheels are on the transport surface.
 - Ensure that the vehicle is aligned parallel to 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.

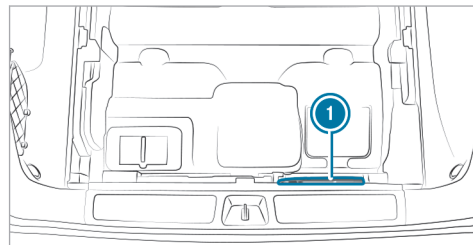
Unloading the vehicle

- ▶ Make sure that the vehicle is raised to transport level before unloading (→ page 287).

Lower vehicle after unloading

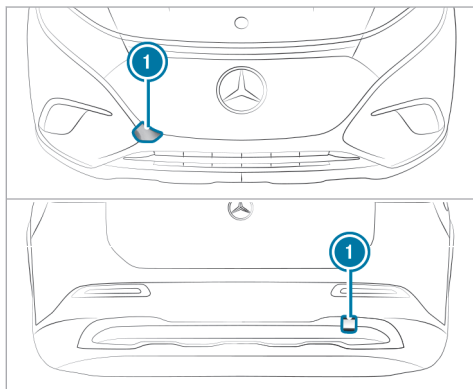
- ▶ Switch on the power supply.
- ▶ Switch on the vehicle.
- ▶ In the transportation settings, swipe down to select **Standard Level** and press **OK**. The vehicle will be set to the height of the last active level and the **Lowering Vehicle...** message will be displayed.
- ▶ After the vehicle has lowered, press the  button for at least two seconds. The transportation settings will be closed.

Towing eye storage location



Towing eye **1** is located under the cargo floor.

Installing and removing the towing eye



Example

- ▶ Press the mark on cover ❶ inward and remove.
- ▶ Screw in the towing eye clockwise as far as it will go and tighten.

Vehicles with a trailer hitch: vehicles with a trailer hitch do not have a rear bracket for the towing eye. Fasten the tow bar to the trailer hitch.

- ▶ After removing the towing eye, engage cover ❶ in the bumper.

! **NOTE** Damage to the vehicle due to incorrect use of the towing eye or trailer hitch

When a towing eye or trailer hitch is used to recover a vehicle, the vehicle may be damaged in the process.

- ▶ Only use the towing eye or trailer hitch to tow away or tow start the vehicle.
- ▶ Do not use the towing eye or trailer hitch to tow the vehicle during recovery.

Tow-starting the vehicle

- ▶ If the drive system does not start, have the vehicle transported to a qualified specialist workshop, e.g. an authorized Mercedes-Benz Center.

- ▶ The drive system is not started by tow-starting the vehicle. Do not make any attempts to tow-start the vehicle.

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 color 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 under the load compartment floor (→ page 433)

! 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 must be secured against rolling away.
- All electrical consumers must be switched off.
- The vehicle must be switched off.

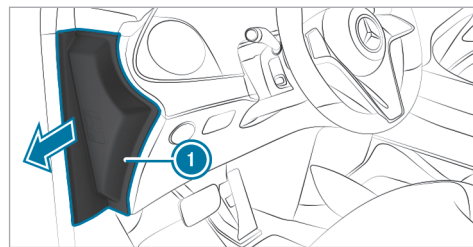
The electrical fuses are located in various fuse boxes:

- Fuse box on the driver's side of the cockpit (→ page 432)
- Fuse box in the front passenger footwell (→ page 433)
- Fuse box under the load compartment floor (→ page 433)

Opening and closing the fuse box in the cockpit

Requirements

- Observe the notes on electrical fuses (→ page 431).



The fuse box is on the driver's side on the side of the cockpit under a cover.

- ▶ **To open:** open cover ① in the direction of the arrow and remove it.
- ▶ **To close:** reinsert cover ①.

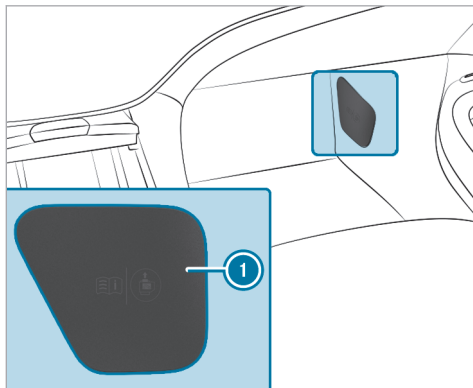
Mercedes-Benz recommends you have the fuse box opened at an authorized Mercedes-Benz Center.

Opening and closing the fuse box in the front passenger footwell

Requirements

- Observe the notes on electrical fuses (→ page 431).

Right-hand drive vehicles: the fuse box is on the left side.



- ▶ To open the fuse box: remove cover ①.
- ▶ To close the fuse box: reinsert cover ①.

Open and close fuse box in the load compartment

Requirements

Observe the notes on electrical fuses (→ page 431).

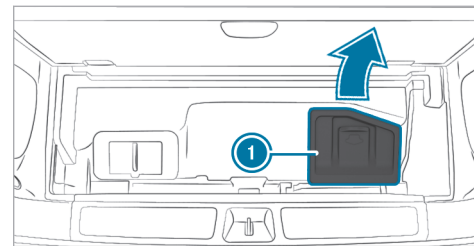
Vehicles with two rows of seats

The fuse box is under a felt cover beneath the load compartment floor.

- ▶ Contact a qualified specialist workshop, e.g. a Mercedes-Benz Service Center, for opening and closing.

Vehicles with three rows of seats

- ▶ Open the load compartment floor .



- ▶ **Open:** Flip the cover ① up in the direction of the arrow.

The fuse box diagram is located at the side of the fuse box.

- ▶ **Close:** Flip the cover ① down.

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 tires are damaged. Hidden tire damage could also be causing the unusual handling characteristics.

If you suspect that a tire is defective, reduce your speed immediately and have the tires and wheels checked at a qualified specialist workshop.

Notes on regularly inspecting wheels and tires

⚠ WARNING Risk of injury through damaged tires

Damaged tires can cause tire pressure loss.

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

⚠ WARNING Risk of hydroplaning due to insufficient tire tread

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

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

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

Minimum tread depth for

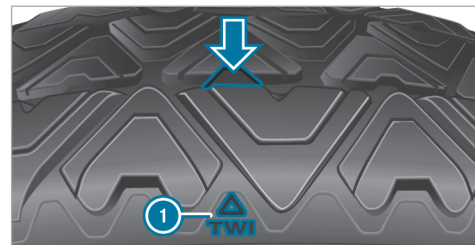
- summer tires: $\frac{1}{8}$ in (3 mm)
- M+S tires: $\frac{1}{6}$ in (4 mm)

- ▶ For safety reasons, replace the tires before the legally-prescribed limit for the minimum tread depth is reached.
- ▶ Replace the tires 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 tire pressure (→ page 436).
- Visually inspect wheels and tires for damage.
- Check the valve caps.
- Visual check of the tire tread depth and the tire contact surface across the entire width.

The minimum tread depth for summer tires is $\frac{1}{8}$ in (3 mm) and for winter tires $\frac{1}{6}$ in (4 mm).



Six marks ① show where the bar indicators (arrow) are integrated into the tire tread. They are

visible once a tire tread depth of approximately $\frac{1}{16}$ in (1.6 mm) has been reached.

Notes on snow chains

⚠ WARNING Risk of accident due to incorrectly installed snow chains

If you have installed snow chains on the front wheels, they may drag against the vehicle body or chassis components.

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

! NOTE Damage to components of the vehicle body or chassis due to mounted snow chains

If you mount snow chains to the front wheels of 4MATIC vehicles, you may damage components of the vehicle body or chassis.

- ▶ Only mount snow chains to the rear wheels of 4MATIC vehicles.

! NOTE Damage to wheel trims due to snow chains being installed

If you install snow chains on aluminum wheels you could damage the wheel trims.

- ▶ Remove the wheel trims from the aluminum wheels before installing snow chains.

Observe the following notes when using snow chains:

- Snow chains are only permissible for certain wheel/tire combinations. You can obtain information about this from a Mercedes-Benz service center.
- 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.
- Comply with the installation instructions of the snow chain manufacturer.

- If snow chains are mounted, the maximum permissible speed is 30 mph (50 km/h).
 - **Vehicles with Active Parking Assist:** do not use Active Parking Assist when snow chains are mounted.
 - **Vehicles with AIRMATIC:** if snow chains are mounted, only drive at raised vehicle level (→ page 287).
 - **Vehicles with rear axle steering:** if snow chains are mounted, only drive with snow chain mode active (→ page 435).
- i** You can deactivate ESP® to start off (→ page 243). This allows the wheels to spin, achieving increased tractive power.

Turning snow chain mode on or off

Multimedia system:



▶ Turning **Snow Chain Mode** on or off.

When the function is active, the vehicle adjusts to snow chains having been mounted. Among other

things, it limits the maximum steering angle of the rear wheels, and the turning circle increases.

Furthermore, some of the driving systems and driving safety systems are not available when snow chain mode is active.

Selecting the tire type

Requirements:

- The "Navigation with Electric Intelligence" service is available and activated in the Mercedes me Portal.
- ① Further requirements for Navigation with Electric Intelligence (→ page 375).

Multimedia system:

→  » Settings » Vehicle » Driving » Tire Type

The setting in this menu optimizes the energy prognosis of Navigation with Electric Intelligence at the start of your journey. Charging stations are thus better selected, for example.

- ① After a wheel has been changed and you have traveled for several kilometers the menu for

selecting the installed tire type appears automatically.

- ▶ Select the tire type, for example [Winter Tires](#).

Tire pressure

Notes on tire pressure

⚠ WARNING Risk of an accident owing to insufficient or excessive tire pressure

Tires with an insufficient or excessive pressure pose the following dangers:

- The tires can burst.
- The tires can wear excessively and/or unevenly.
- The driving characteristics as well as the steering- and braking may be greatly impaired.

- ▶ Observe the recommended tire pressure and check the tire pressure of all tires 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 tire pressure if necessary.

Too high or low tire pressure can have the following effects:

- Shorten the service life of the tires.
- Make tire damage more likely.
- Adversely affect driving characteristics and thus driving safety, e.g. owing to aquaplaning.

⚠ WARNING Risk of accident due to too low a tire pressure

Tires with pressure that is too low can overheat and burst as a consequence.

In addition, they also suffer from irregular wear, which can significantly impair the brak-

ing properties and the handling characteristics.

▶ Avoid excessively low tire pressure.

Very low tire pressure can have the following effects:

- Tire defects as a result of overheating
- Impaired handling characteristics
- Irregular wear
- Increased energy consumption

⚠ WARNING Risk of accident due to too high a tire pressure

Tires with excessively high pressure can burst. In addition, they also suffer from irregular wear, which can significantly impair the braking properties and the handling characteristics.

▶ Avoid excessively high tire pressures.

Very high tire pressure can have the following effects:

- Increased braking distance
- Impaired handling characteristics
- Irregular wear
- Impaired driving comfort
- Susceptibility to damage

⚠ WARNING Risk of accident due to repeated pressure drop in the tires

The wheels, valves or tires could be damaged. Too low a tire pressure can lead to the tires bursting.

- ▶ Examine the tires for foreign objects.
- ▶ Check whether the tire has a puncture or the valve has a leak.
- ▶ If you are unable to rectify the damage, contact a qualified specialist workshop.

You can find information on tire pressure for the vehicle's factory-installed tires on the following labels on the B-pillar on the driver's side:

- Tire and loading information table (→ page 441).
- Tire pressure table (→ page 438).

Observe the maximum tire pressure (→ page 449).

Use a suitable pressure gauge to check the tire pressure. The outer appearance of a tire does not give a reliable indication of the tire pressure.

Only correct the tire pressure when the tires are cold. Conditions for cold tires:

- The vehicle has been parked with the tires out of direct sunlight for at least three hours.
- The vehicle has travelled less than 1 mile (1.6 km).

The vehicle's tires warm up when driving. As the temperature of the tires increases, so does the tire pressure.

Vehicles with a tire pressure monitoring system: you can also see the tire pressure in the driver display (→ page 440).

The tire pressure recommended for increased load/speed in the tire pressure table can affect the ride comfort.

⚠ WARNING Risk of accident due to unsuitable accessories on tire valves

If you mount unsuitable accessories onto tire valves, the tire valves may be overloaded and malfunction, which can cause tire pressure loss.

▶ Only screw standard valve caps or valve caps specifically approved by Mercedes-Benz for your vehicle onto the tire valve.

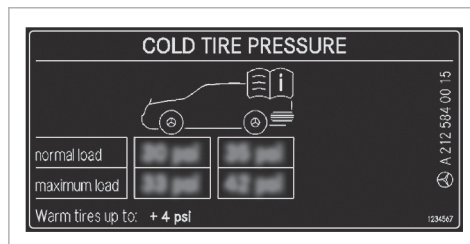
Notes on trailer operation

Always inflate the rear tires to the recommended tire pressure for increased load in the tire pressure table.

Tire pressure table

The tire pressure table is on the B-pillar on the driver's side.

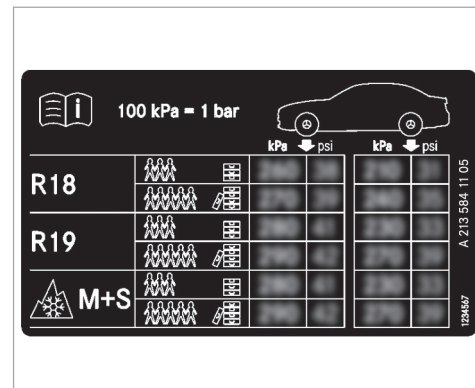
i The data shown in the illustrations are sample data.



The tire pressure table shows the recommended tire pressure for all tires approved for this vehicle. The recommended tire pressures apply for cold tires under various operating conditions, i.e. load and/or speed of the vehicle.

If one or more tire sizes precede a tire pressure, the tire pressure shown is only valid for those tire sizes.

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.



Some tire pressure tables only show the rim diameter instead of the complete tire size, e.g. **R18**. The rim diameter is part of the tire size and can be found on the tire side wall (→ page 449).

Be sure to also observe the following further related topics:

- Notes on tire pressure (→ page 436)
- Tire and load information table (→ page 441)
- Maximum tire pressure (→ page 449)

Checking the tire pressure manually

- ▶ Read the tire pressure recommended for the current operating conditions from the tire and loading information placard or the tire pressure table. Observe the notes on tire pressure.
- ▶ Remove the valve cap of the tire to be checked.
- ▶ Press the tire pressure gauge securely onto the valve.
- ▶ Read the tire pressure.
- ▶ If the tire pressure is lower than the recommended value, increase the tire pressure to the recommended value.
- ▶ If the tire pressure is higher than the recommended value, release air. To do so, press down the metal pin in the valve, e.g. using the

tip of a pen. Then check the tire pressure again using the tire pressure gauge.

- ▶ Screw the valve cap onto the valve.

Further related subjects:

- Notes on tire pressure (→ page 436)
- Tire pressure table (→ page 438)
- Tire and loading information placard (→ page 441)

Tire pressure monitoring system

Function of the tire pressure monitoring system

⚠ DANGER Risk of accident due to incorrect tire pressure

Each tire, including the spare (if provided), should be checked monthly when cold and inflated to the inflation pressure recommended by the vehicle manufacturer on the vehicle placard or tire inflation pressure label. (If your vehicle has tires of a different size than the size indicated on the vehicle placard or

tire inflation pressure label, you should determine the proper tire inflation pressure for those tires.)

As an added safety feature, your vehicle has been equipped with a tire pressure monitoring system (TPMS) that illuminates a low tire pressure telltale when one or more of your tires is significantly under-inflated. Accordingly, when the low tire pressure telltale illuminates, you should stop and check your tires as soon as possible, and inflate them to the proper pressure. Driving on a significantly under-inflated tire causes the tire to overheat and can lead to tire failure. Under-inflation also reduces fuel efficiency and tire tread life, and may affect the vehicle's handling and stopping ability. Please note that the TPMS is not a substitute for proper tire maintenance, and it is the driver's responsibility to maintain correct tire pressure, even if under-inflation has not reached the level to trigger illumination of the TPMS low tire pressure telltale.

Your vehicle has also been equipped with a TPMS malfunction indicator to indicate when

the system is not operating properly. The TPMS malfunction indicator is combined with the low tire pressure telltale. When the system detects a malfunction, the telltale will flash for approximately one minute and then remain continuously illuminated. This sequence will continue upon subsequent vehicle start-ups as long as the malfunction exists.


When the malfunction indicator is illuminated, the system may not be able to detect or signal low tire pressure as intended. TPMS malfunctions may occur for a variety of reasons, including the installation of replacement or alternate tires or wheels on the vehicle that prevent the TPMS from functioning properly.



The system checks the tire pressure and the temperature of the tires installed on the vehicle by means of a tire pressure sensor.

The tire pressure and the tire temperature are displayed on the driver display.

In the event of significant pressure loss or excessive temperature of the tires, you will be warned

by display messages (→ page 550) or the warning light  on the driver display (→ page 569).

The tire pressure monitoring system serves solely as an aid. It is the driver's responsibility to set the tire pressure to the recommended cold tire pressure suitable for the operating situation.

In most cases, the tire pressure monitoring system will automatically update the new reference values after you have changed the tire pressure. You can, however, also update the reference values by restarting the tire pressure monitoring system manually (→ page 441).

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 tire.
- There is a malfunction caused by another radio signal source.

Checking the tire pressure with the tire pressure monitoring system

Requirements:

- The vehicle is switched on.

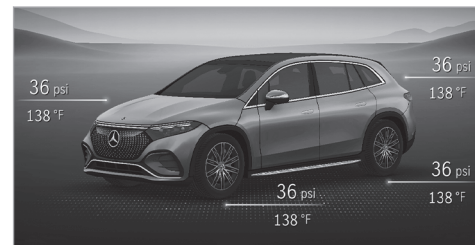
Driver display:



Press  to confirm.

One of the following messages will appear:

- Current tire pressure at each wheel:



- **Tire pressure displayed after driving for a few minutes.:** Current values are not yet known to the system. The pressure/tempera-

ture values for each tire will be displayed as soon as they are known to the system.

- **Tire Pressure Monitor Active:** The teach-in process of the system is not yet complete. The tire pressures are already being monitored.

▶ Compare the current tire pressure with the recommended tire pressure for the current operating status (→ page 438). Additionally, observe the notes on cold tires (→ page 436).

ⓘ The values displayed on the driver display may deviate from those of the tire pressure gauge as they relate to sea level. At high elevations, the tire pressure values indicated by a pressure gauge will be higher than those shown on the driver display.

Bear in mind the following related topic:

- Notes on tire pressure (→ page 436)

Restarting the tire pressure monitoring system

Requirements





- The recommended tire pressure is correctly set for the respective operating condition at each of the four wheels (→ page 436).


Restart the tire pressure monitoring system in the following situations:

- The tire pressure has changed.
- The wheels or tires have been changed or newly installed.

Driver display:

→  ▶▶ Service

- ▶ Show tire pressure: press .
- ▶ Show options: press  again.
- ▶ Select **Tire Pressure** and confirm with . The **Use current pressures as new reference values?** message will appear on the driver display.
- ▶ Select **Yes** and confirm the restart with . The **Tire Pressure Monitor Restarted** message will appear on the driver display.

Current warning messages will be deleted and the yellow  warning lamp will go out.

After you have driven for a few minutes, the system will check whether the current tire pressures are within the specified range. The

current tire pressures will then be accepted as reference values and monitored.

If the tire pressure levels are not within the specified range, the **Please Correct Tire Pressure** message will appear.

Bear in mind the following related topic:

- Notes on tire pressure (→ page 436)

Loading the vehicle

Notes on the Tire and Loading Information placard

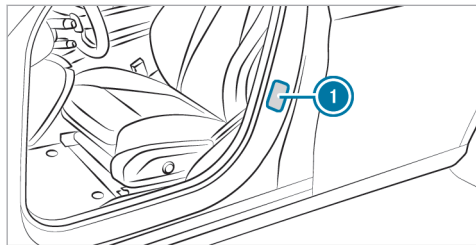
⚠ WARNING Risk of accident from overloaded tires

Overloaded tires may overheat and burst as a consequence. Overloaded tires can also impair the steering and handling characteristics and lead to brake failure.

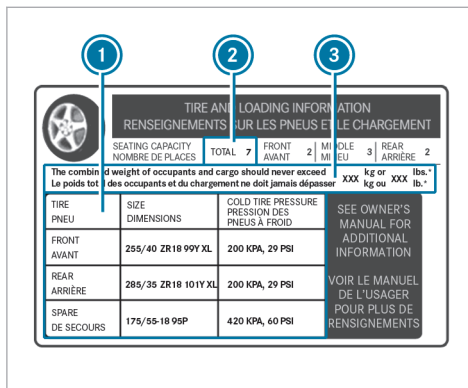
- ▶ Observe the load rating of the tires.
- ▶ The load rating must be at least half the permissible axle load of the vehicle.
- ▶ Never overload the tires by exceeding the maximum load.

442 Wheels and tires

The Tire and Loading Information placard is on the B-pillar on the driver's side of the vehicle.



1 Tire and Loading Information placard



The placard contains the following information:

TIRE AVANT RENSEIGNEMENTS		LOADING INFORMATION SUR LES PNEUS ET LE CHARGEMENT	
SEATING CAPACITY NOMBRE DE PLACES	TOTAL 7	FRONT AVANT 2	MIDDLE MOYEN 3 REAR ARRIERE 2
The combined weight of occupants and cargo should never exceed Le poids total des occupants et du chargement ne doit jamais dépasser			
		XXXX kg or XXXX lbs.*	
TIRE PNEU	SIZE DIMENSIONS	COLD TIRE PRESSURE PRESSION DES PNEUS A FROID	SEE OWNER'S MANUAL FOR ADDITIONAL INFORMATION
FRONT AVANT	295/40 ZR18 99Y XL	200 KPA, 29 PSI	VOIR LE MANUEL DE L'USAGER POUR PLUS DE RENSEIGNEMENTS
REAR ARRIERE	285/35 ZR18 101Y XL	200 KPA, 29 PSI	
SPARE DE SECOURS	175/55-18 99P	420 KPA, 60 PSI	

i The data shown in the illustration are sample data.

The Tire and Loading Information placard shows the following information:

- Maximum number of seats 2 according to the maximum number of people permitted to travel in the vehicle.

- Maximum permissible load 3 comprises the gross weight of all vehicle occupants, luggage and additional load.
- Recommended tire pressure 1 for cold tires. The recommended tire pressures are valid for the maximum permissible load and up to the maximum permissible vehicle speed.

Please also note:

- Information on permissible weights and loads on the vehicle identification plate (→ page 468).
- Information on the tire pressure in the tire pressure table (→ page 438).

Further related subjects:

- Determining the maximum permissible load (→ page 442).
- Notes on the tire pressure (→ page 436).

Steps for determining the correct load limit

The following steps were developed according to the regulations of Title 49, Code of U.S. Federal

Regulations, Part 575, which are binding on all manufacturers, and the National Traffic and Motor Vehicle Safety Act of 1966.

- ▶ (1): Locate the statement "The combined weight of occupants and cargo should never exceed XXX kg or XXX lbs." on your vehicle's placard.
- ▶ (2): Determine the combined weight of the driver and passengers that will be riding in your vehicle.
- ▶ (3): Subtract the combined weight of the driver and passengers from XXX kg or XXX lbs.
- ▶ (4): The resulting figure equals the available amount of cargo and luggage load capacity. For example, if the "XXX" amount equals 1400 lbs. and there will be five 150 lb passengers in your vehicle, the amount of available cargo and luggage load capacity is 650 lbs. (1400 - 750 (5 x 150) = 650 lbs.)
- ▶ (5): Determine the combined weight of luggage and cargo being loaded on the vehicle. That weight may not safely exceed the available cargo and luggage load capacity calculated in Step 4.

- ▶ (6): If your vehicle will be towing a trailer, load from your trailer will be transferred to your vehicle. Consult this manual to determine how this reduces the available cargo and luggage load capacity of your vehicle.
- ⓘ Not all vehicles are permitted to tow a trailer. Towing a trailer is only permitted if a trailer-hitch is installed. Please consult an authorized Mercedes-Benz dealer if you have any questions about towing a trailer with your vehicle.

Even if you have calculated the total load carefully, you should still make sure that the maximum permissible gross weight and the maximum gross axle weight rating of your vehicle are not exceeded. Details can be found on the vehicle identification plate.

- ▶ Have your loaded vehicle – including driver, occupants and load – weighed on a vehicle weighbridge. The measured values may not exceed the maximum permissible values stated on the vehicle identification plate.

Further related subjects:

- Calculation example for determining the maximum load (→ page 443)
- Tire and loading information placard (→ page 441)
- Tire pressure table (→ page 438)
- Vehicle identification plate (→ page 468)

Calculation example for determining the maximum payload

The following table shows examples of how to calculate total load capacities and payloads with varying seating configurations and different occupant numbers and weights. The following examples use a maximum payload of 1500 lbs (680 kg). **This is for illustration purposes only.** Make sure you are using the actual maximum payload for your vehicle as stated in the Tire and Loading Information table of your vehicle (→ page 441).

The higher the weight of all the occupants, the lower the maximum luggage load.

444 Wheels and tires

Step 1

	Example 1	Example 2
Combined maximum weight of occupants and payload (data from the Tire and Loading Information table)	1500 lbs (680 kg)	1500 lbs (680 kg)

Step 2

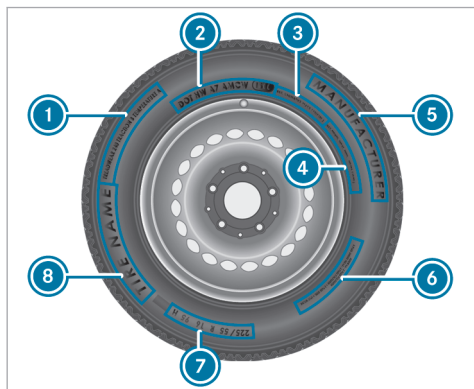
	Example 1	Example 2
Number of persons in the vehicle (driver and passengers)	5	1
Distribution of vehicle occupants	Front: 2 Rear: 3	Front: 1
Weight of vehicle occupants	Occupant 1: 150 lbs (68 kg) Occupant 2: 180 lbs (82 kg) Occupant 3: 160 lbs (73 kg) Occupant 4: 140 lbs (63 kg) Occupant 5: 120 lbs (54 kg)	Occupant 1: 200 lbs (91 kg)
Total weight of all vehicle occupants	750 lbs (340 kg)	200 lbs (91 kg)

Step 3

	Example 1	Example 2
Permissible payload (maximum permissible gross vehicle weight from the Tire and Loading Information table minus the total weight of all occupants)	$1500 \text{ lbs (680 kg)} - 750 \text{ lbs (340 kg)} = 750 \text{ lbs (340 kg)}$	$1500 \text{ lbs (680 kg)} - 200 \text{ lbs (91 kg)} = 1300 \text{ lbs (589 kg)}$

Tire labeling

Overview of tire labeling

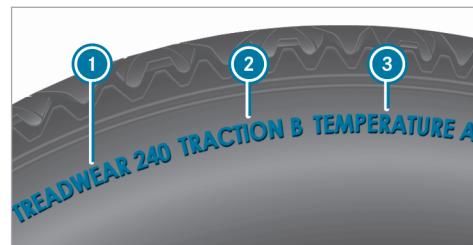


- ① Uniform Tire Quality Grading Standards
- ② DOT (Department of Transportation), (TIN) Tire Identification Number
- ③ Maximum tire load (→ page 448)
- ④ Maximum tire pressure (→ page 449)

- ⑤ Manufacturer
- ⑥ Tire characteristics (→ page 449)
- ⑦ Tire size designation, load-bearing capacity, speed rating and load index (→ page 449)
- ⑧ Tire name
- ⑨ The data shown in the illustration is example data.

Tire quality grading

In accordance with the US Department of Transportation's "Uniform Tire Quality Grading Standards," tire manufacturers are required to grade their tires on the basis of the following three performance factors:



- ① Tread wear grade
- ② Traction grade
- ③ Temperature grade
- ⑨ The data shown in the illustration is example data.
- ⑩ The classification is not legally stipulated for Canada, but it is generally stated.

Tread wear grade

The treadwear grade is a comparative rating based on the wear rate of the tire when tested under controlled conditions on a specified government test course. For example, a tire graded 150 would wear one and one-half (1 1/2) times as

well on the government course as a tire graded 100.

The relative performance of tires depends upon the actual conditions of their use, however, and may depart significantly from the norm due to variations in driving habits, service practices and differences in road characteristics and climate.

Traction grade

⚠ DANGER Risk of accident due to inadequate traction

The traction grade assigned to this tire is based on straight-ahead braking traction tests.

- ▶ Always adapt your driving style and drive at a speed to suit the prevailing traffic and weather conditions.

! NOTE Damage to the drivetrain from wheelspin

- ▶ Avoid wheelspin.

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

Temperature grade

⚠ WARNING Risk of accident from tire overheating and tire failure

Excessive speed, underinflation, or excessive loading, either separately or in combination, can cause excessive heat build-up and possible tire failure.

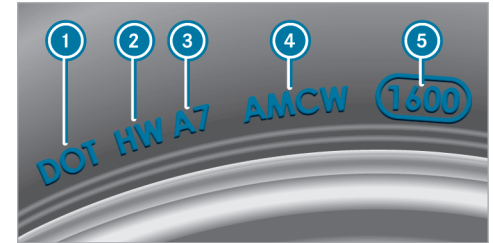
- ▶ Observe the recommended tire pressure.
- ▶ Regularly check the pressure of all the tires.
- ▶ Adjust the tire pressure, if necessary.

The temperature grades are A (the highest), B, and C, representing the tire's resistance to the generation of heat and its ability to dissipate heat when tested under controlled conditions on a specified indoor laboratory test wheel. Sustained

high temperature can cause the material of the tire to degenerate and reduce tire life, and excessive temperature can lead to sudden tire failure. The grade C corresponds to a level of performance which all passenger car tires must meet under the Federal Motor Safety Standard No. 109. Grades B and A represent higher levels of performance on the laboratory test wheel than the minimum required by law.

DOT, Tire Identification Number (TIN)

US tire regulations stipulate that every tire manufacturer or retreader must imprint a TIN in or on the side wall of each tire produced.



① The data in the illustration is shown as an example.

The TIN is a unique identification number to identify tires, and comprises the following:

- **DOT (Department of Transportation):** tire marking ① indicating that the tire complies with the requirements of the US Department of Transportation.
- **Manufacturer identification code:** the manufacturer identification code ② contains details of the tire manufacturer. New tires have a code with two symbols. Retreaded tires have a code with four symbols. Further information on retreaded tires (→ page 454).
- **Tire size:** the marking ③ states the tire size.
- **Tire type code:** the tire type code ④ can be used by the manufacturer as a code to describe specific characteristics of the tire.
- **Manufacturing date:** the manufacturing date ⑤ provides information about the age of a tire. The 1st and 2nd digits represent the calendar week and the 3rd and 4th digits state

the year of manufacture (e.g. "3208" represents the 32nd week of 2008).

Information on the maximum tire load

⚠ WARNING Risk of accident from overloaded tires

Overloaded tires may overheat and burst as a consequence. Overloaded tires can also impair the steering and handling characteristics and lead to brake failure.

- ▶ Observe the load rating of the tires.
- ▶ The load rating must be at least half the permissible axle load of the vehicle.
- ▶ Never overload the tires by exceeding the maximum load.

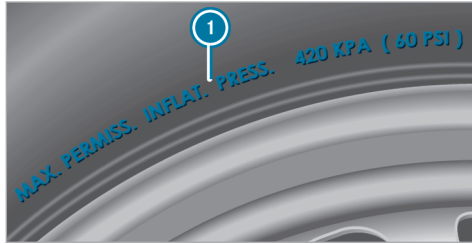


① The data in the illustration is shown as an example.

Maximum tire load ① is the maximum permissible weight for which the tire is approved.

Do not overload the tires by exceeding the maximum permissible load limit. The maximum permissible load can be found on the vehicle's Tire and Loading Information table on the B-pillar on the driver's side (→ page 441).

Information on maximum tire pressure



i The data in the illustration is shown as an example.

Do not exceed the maximum tire pressure **1** permitted for the tire. Always observe the recommended tire pressure for your vehicle when adjusting the tire pressure (→ page 438).

Information on tire composition



i The data in the illustration is shown as an example.

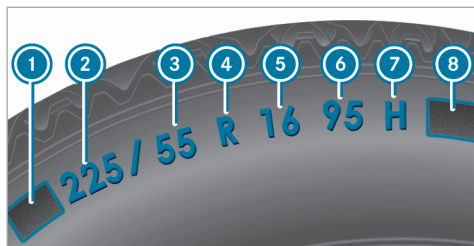
It describes the type of tire cord and the number of layers in the side wall **1** and under the tire tread **2**.

Tire size, load-bearing capacity, speed rating and load index

⚠ WARNING Risk of injury through exceeding the specified tire load-bearing capacity or the permissible speed rating

Exceeding the specified tire load rating or the permissible speed rating may lead to tire damage and to the tires bursting.

- ▶ Therefore, only use tire types and sizes approved for your vehicle model.
- ▶ Observe the tire load rating and speed rating required for your vehicle.



- ① Preceding letter
- ② Nominal tire width in millimeters
- ③ Aspect ratio in %
- ④ Tire code
- ⑤ Rim diameter
- ⑥ Load-bearing index
- ⑦ Speed rating
- ⑧ Load index

① The data in the illustration is shown as an example.

Information about interpreting tire data can be obtained from any qualified specialist workshop.

Preceding letter ①:

- None: passenger car tires according to European manufacturing standards.
- "P": passenger car tires according to US manufacturing standards.
- "LT": light truck tires according to US manufacturing standards.
- "T": compact emergency spare wheels with high tire pressure that are only designed for temporary use in an emergency.

Aspect ratio ③:

Ratio between tire height and tire width in percent (tire height divided by tire width).

Tire code ④ (tire type):

- "R": radial tire
- "D": bias ply tire
- "B": bias radial tire
- "ZR": radial tire with a maximum permissible speed above 149 mph (240 km/h) (optional)

Rim diameter ⑤:

The diameter of the bead seat (not the diameter of the rim flange). The rim diameter is specified in inches (in).

Load-bearing index ⑥:

Numerical code that specifies the maximum load-bearing capacity of a tire (e.g. "91" corresponds to 1356 lbs (615 kg)).

The load-bearing capacity of the tire must be at least half the gross axle weight rating of your vehicle. Do not overload the tires by exceeding the maximum permissible payload.

See also:

- Maximum permissible payload in the Tire and Loading Information table (→ page 441)
- Maximum tire load (→ page 448)
- Load index

Speed rating ⑦:

Specifies the maximum permissible speed of the tire.

- i** An electronic speed limiter prevents your vehicle from exceeding a speed of 130 mph (210 km/h).

Make sure that your tires have the required speed rating. You can obtain information on the required speed rating from a Mercedes-Benz service center.

Summer tires

Index	Speed rating
Q	up to 100 mph (160 km/h)
R	up to 106 mph (170 km/h)
S	up to 112 mph (180 km/h)
T	up to 118 mph (190 km/h)
H	up to 130 mph (210 km/h)
V	up to 149 mph (240 km/h)
W	up to 168 mph (270 km/h)

¹ "ZR" stated in the tire code.


² Or "M+S"  for winter tires.

Index	Speed rating
Y	up to 186 mph (300 km/h)
ZR...Y ¹	up to 186 mph (300 km/h)
ZR... (..Y) ¹	over 186 mph (300 km/h)
ZR ¹	over 149 mph (240 km/h)

- Specifying the speed rating as the "ZR" index in the tire code **4** is optional for tires up to 186 mph (300 km/h).
- If your tire code **4** includes "ZR" and there is no speed rating **7**, find out the maximum permissible speed from the tire manufacturer.
- If the load-bearing index **6** and speed rating **7** are in brackets, the maximum permissible speed of your tire is above 186 mph (300 km/h). To find out the maximum permissible speed, ask the tire manufacturer.

All-weather tires and winter tires

Index	Speed rating
Q M+S ²	up to 100 mph (160 km/h)
T M+S ²	up to 118 mph (190 km/h)
H M+S ²	up to 130 mph (210 km/h)
V M+S ²	up to 149 mph (240 km/h)

Winter tires bear the snowflake symbol  and fulfill the requirements of the Rubber Manufacturers Association (RMA) and the Rubber Association of Canada (RAC) regarding the tire traction on snow.

Load index **8**:

- No specification given: standard load (SL) tire
- "XL" or "Extra Load": extra load tire or reinforced tire
- "Light Load": light load tire

- "C", "D", "E": a load range that depends on the maximum load the tire can carry at a certain pressure.

Definition of terms for tires and loading

Tire structure and characteristics: describes the number of layers or the number of rubber-coated belts in the tire contact surface and the tire wall. These are made of steel, nylon, polyester and other materials.

Bar: metric unit for tire pressure. 14.5038 pounds per square inch (psi) and 100 kilopascal (kPa) is the equivalent of one bar.

DOT (Department of Transportation): DOT-marked tires fulfill the requirements of the US Department of Transportation.

Average weight of the vehicle occupants: the number of vehicle occupants for which the vehicle is designed, multiplied by 150 lb (68 kg).

Uniform tire quality grading standards: a uniform standard to grade the quality of tires with regard to tread quality, tire traction and temperature characteristics. The quality grading assessment is

made by the manufacturer following specifications from the U.S. government. The quality grade of a tire is imprinted on the side wall of the tire.

Recommended tire pressure: the recommended tire pressure is the tire pressure specified for the tires fitted to the vehicle at the factory.

The tire and load information table contains the recommended tire pressure for cold tires, the maximum permissible load and the maximum permissible vehicle speed.

The tire pressure table contains the recommended tire pressure for cold tires under various operating conditions, i.e. loading and/or speed of the vehicle.

Increased vehicle weight due to optional equipment: the combined weight of all standard and optional equipment available for the vehicle, regardless of whether it is actually installed on the vehicle or not.

Rim: the part of the wheel on which the tire is mounted.

GAWR (Gross Axle Weight Rating): the GAWR is the maximum gross axle weight rating. The actual load on an axle must never exceed the gross axle

weight rating. The gross axle weight rating can be found on the vehicle identification plate on the B-pillar on the driver's side.

Speed rating: the speed rating is part of the tire identification. It specifies the speed range for which a tire is approved.

GVW (Gross Vehicle Weight): the gross vehicle weight comprises the weight of the vehicle including fuel, tools, spare wheel, fitted accessories, occupants, luggage and the trailer tongue weight, if applicable. The gross vehicle weight must not exceed the gross vehicle weight rating GVWR as specified on the vehicle identification plate on the B-pillar on the driver's side.

GVWR (Gross Vehicle Weight Rating): the GVWR is the maximum permitted gross weight of the fully laden vehicle (weight of the vehicle including all accessories, occupants, fuel, luggage and the trailer tongue weight if applicable). The gross vehicle weight rating is specified on the vehicle identification plate on the B-pillar on the driver's side.

Maximum weight of the laden vehicle: the maximum weight is the sum of the unladen weight of the vehicle, the weight of the accessories, the

maximum load and the weight of optional equipment installed at the factory.

Kilopascal (kPa): metric unit for tire pressure. 6.9 kPa corresponds to 1 psi. Another unit for tire pressure is bar. 100 kilopascal (kPa) equals 1 bar.

Load index: in addition to the load-bearing index, the load index may also be imprinted on the side wall of the tire. This specifies the load-bearing capacity of the tire more precisely.

Unladen weight: the weight of a vehicle with standard equipment including the maximum capacity of fuel, service fluids and coolant. It also includes the air conditioning system and optional equipment if these are installed in the vehicle, but does not include passengers or luggage.

Maximum tire load: the maximum tire load is the maximum permissible weight in kilograms or lbs for which a tire is approved.

Maximum permissible tire pressure: maximum permissible tire pressure for one tire.

Maximum load on one tire: maximum load per tire. This is calculated by dividing the maximum axle load of one axle by two.

PSI (pounds per square inch): standard unit of measurement for tire pressure.

Aspect ratio: ratio between tire height and tire width in percent.

Tire pressure: pressure inside the tire applying an outward force to every square inch of the tire. The tire pressure is specified in pounds per square inch (psi), in kilopascals (kPa) or in bar. The tire pressure should only be corrected when the tires are cold.

Cold tire pressure: the tires are cold when the vehicle has been parked for at least 3 hours without direct sunlight on the tires, or the vehicle has been driven for less than 1 mile (1.6 km).

Tire contact surface: the part of the tire that comes into contact with the road.

Tire bead: the purpose of the tire bead is to ensure that the tire sits securely on the wheel rim. There are several wire cores in the tire bead to prevent the tire from changing length on the wheel rim.

Side wall: the part of the tire between the tread and the tire bead.

Weight of optional equipment: the combined weight of the optional equipment weighing more than the replaced standard parts and more than 5 lbs (2.3 kg). This optional equipment, such as high-performance brakes, level control system, a roof luggage rack or high-performance batteries, is not included in the unladen weight and the weight of the accessories.

TIN (Tire Identification Number): a unique identification number which can be used by a tire manufacturer to identify tires, for example in a product recall, and thus identify the purchasers. The TIN is made up of the manufacturer's identity code, tire size, tire type code and the manufacturing date.

Load-bearing index: the load-bearing index is a code that contains the maximum load-bearing capacity of a tire.

Traction: traction is the grip resulting from friction between the tire and the road surface.

Wear indicator: narrow bars (tread wear bars) that are distributed over the tire contact surface. If the tire tread is level with the bars, the wear limit of 1/16 in (1.6 mm) has been reached.

Distribution of vehicle occupants: distribution of vehicle occupants over designated seat positions in a vehicle.

Maximum permissible payload weight: nominal load and luggage load plus 150 lb (68 kg) multiplied by the number of seats in the vehicle.

Changing a wheel

Notes on selecting, installing and replacing tires

⚠ WARNING Risk of accident due to incorrect wheel and tire dimensions

If wheels and tires of the wrong size are installed, the service brakes or components in the brake system and in the wheel suspension may be damaged.

- ▶ Always replace wheels and tires with ones that fulfill the specifications of the original part.

For wheels, pay attention to the following:

- Designation

- Type

For tires, pay attention to the following:

- Designation
- Manufacturer
- Type

⚠ WARNING Risk of injury through exceeding the specified tire load-bearing capacity or the permissible speed rating

Exceeding the specified tire load rating or the permissible speed rating may lead to tire damage and to the tires bursting.

- ▶ Therefore, only use tire types and sizes approved for your vehicle model.
- ▶ Observe the tire load rating and speed rating required for your vehicle.

! NOTE Vehicle and tire damage caused by non-approved tire types and sizes

For safety reasons, only use tires, wheels and accessories which have been specially approved by Mercedes-Benz for your vehicle.

These tires are specially adapted to the active safety systems, such as ABS, ESP® and 4MATIC, and marked as follows:

- MO = Mercedes-Benz Original
- MOE = Mercedes-Benz Original Extended (tires with run-flat characteristics for certain wheels only)
- MO1 = Mercedes-Benz Original (only certain AMG tires)

Otherwise, certain properties, such as driving characteristics, vehicle noise emissions, consumption, etc. could be adversely affected. Furthermore, other tire sizes could result in the tires rubbing against the body and axle components when loaded. This could result in damage to the tire or the vehicle.

Only use tires, wheels and accessories that have been checked and recommended by Mercedes-Benz.

! **NOTE** Risk to driving safety from retreaded tires

Retreaded tires are neither tested nor recommended by Mercedes-Benz, since previous damage cannot always be detected on retreaded tires.

For this reason driving safety cannot be guaranteed.

- ▶ Do not use used tires if you have no information about their previous usage.

! **NOTE** Possible wheel and tire damage when driving over obstacles

Large wheels have a smaller section width. As the section width decreases, the risk of wheels and tires being damaged when driving over obstacles increases.

- ▶ Avoid obstacles or drive especially carefully.
- ▶ Reduce your speed when driving over curbs, speed bumps, manhole covers and potholes.
- ▶ Avoid particularly high curbs.

! **NOTE** Possible wheel and tire damage when parking on curbs or in potholes

Parking on curbs or in potholes can damage the wheels and tires.

- ▶ Only park on as level a surface as possible.
- ▶ Avoid curbs and potholes when parking.

! **NOTE** Damage to electronic components due to the use of mounting tools


Vehicles with a tire pressure monitoring system: there are electronic components in the wheel.

Using mounting tools in the area of the valve may damage the electronic components.

- ▶ Tire mounting tools should not be used in the area of the valve.
- ▶ Always have tires changed at a qualified specialist workshop.

! **NOTE** Damage to summer tires at low ambient temperatures

At low ambient temperatures, tears could form when driving with summer tires, causing permanent damage to the tires.

- ▶ At temperatures below 45 °F (7 °C) use  M+S tires.

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 inquire about:

- Suitability
- Legal stipulations
- Factory recommendations

⚠ WARNING Risk of accidents with sports tires


The special tire tread in combination with the optimized tire compound means that the risk of skidding or hydroplaning on wet roads is increased.

In addition, the tire grip is greatly reduced at a low outside temperature and tire running temperature.

- ▶ Switch on ESP® and adapt your driving style accordingly.
- ▶ Use  M+S tires at outside temperatures of less than 45 °F (7 °C).
- ▶ Only use tires suitable for the intended use.

Observe the following when selecting, installing and replacing tires:

- The use of certain tire types in certain regions and areas of operation can be advisable.
- Only use tires and wheels of the same type (summer tires, winter tires, MOExtended tires) and the same make.

- Only install wheels of the same size on one axle (left and right).
Only deviate from this in the event of a flat tire, to enable you to drive to a specialist workshop.
- **Vehicles with a tire pressure monitoring system:** all installed wheels must be equipped with functioning sensors for the tire pressure monitoring system.
- At temperatures below 45 °F (7 °C), use winter tires or all-season tire marked  M+S for all wheels.
Winter tires provide the best possible grip in wintry road conditions.
- When fitting M+S tires, only use tires with the same tread.
- Observe the maximum permissible speed for the M+S tires installed.
If the tire's maximum speed is below that of the vehicle, this must be indicated by an appropriate label in the driver's field of vision.
- Run-in new tires at moderate speeds for the first 60 miles (100 km).

- Replace the tires after six years at the latest, regardless of wear.
- **When replacing with tires that do not feature run-flat characteristics:** vehicles with MOExtended tires are not equipped with a TIREFIT kit at the factory. Equip the vehicle with a TIREFIT kit after fitting tires that do not feature run-flat characteristics, e.g. winter tires.

For more information on wheels and tires, contact a qualified specialist workshop.

Be sure to also observe the following further related topics:

- Notes on tire pressure (→ page 436)
- Tire and Loading Information table (→ page 441)
- Tire size, load-bearing capacity, speed rating and load index (→ page 449)
- Tire pressure table (→ page 438)
- Notes on the emergency spare wheel (→ page 464)

Notes on rotating wheels

⚠ WARNING Risk of injury through different wheel sizes

Rotating the front and rear wheels can severely impair the driving characteristics.

The wheel brakes or suspension components may also be damaged.

- ▶ Rotate front and rear wheels only if the wheels and tires are of the same dimensions.

Observe the instructions and safety notes on "Changing a wheel" (→ page 454).

The front and rear wheels are subject to different wear:

- Front wheels wear more on the tire shoulder
- Rear wheels wear more in the center of the tire

Do not drive with tires that have too little tread depth. This significantly reduces traction on wet roads (hydroplaning).

On vehicles that have the same size front and rear wheels, rotate the wheels according to the intervals in the tire manufacturer's warranty booklet in your vehicle documents. If this is not available, rotate the tires every 3,000 to 6,000 miles (5,000 to 10,000 km), depending on wear. Do not change the direction of wheel rotation.

The menu for selecting the mounted tire type will appear automatically after a wheel change and driving a few kilometers (→ page 436).

The menu can also be accessed by a qualified specialist workshop or by you.

Notes on wheel-changing when using the service 'Navigation with Electric Intelligence'

After you change a wheel and have driven for a few kilometres, the menu for selection of the installed tire type automatically appears (→ page 436).

The menu can also be called up by a qualified specialist workshop or by yourself.

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 tires from contact with oil, grease or fuel.

Overview of the tire-change tool kit

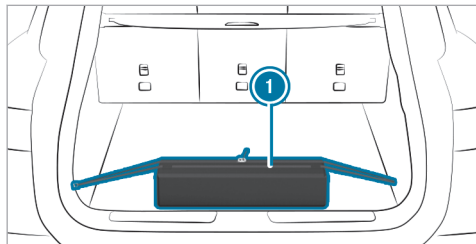
With the exception of some country-specific variants, vehicles are not equipped with tire-change tool kits. Consult a qualified specialist workshop to find out which tire-change tool kit is necessary and approved for a wheel change on your vehicle.

You require the following tools, for example, to change a wheel:

- Jack
- Chock
- Lug wrench
- Alignment bolt

The tire-change tool kit is located in tool bag ① in the cargo compartment.

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



The tool bag contains:

- Jack
- Gloves
- Lug wrench
- Alignment bolt
- 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 tire-change tool kit is available.

- ⓘ If your vehicle is not equipped with the tire-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**.
- ▶ Set the raised vehicle level for greater ground clearance (→ page 287).
- ▶ Switch off the vehicle.
- ▶ Make sure that 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.
- ▶ Unload the vehicle.

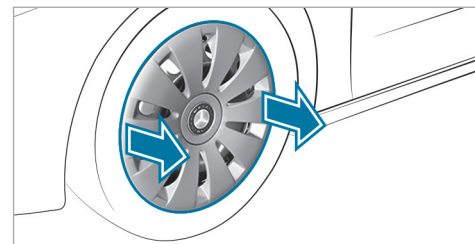
Removing and installing wheel trim/hub caps

Requirements

- The vehicle is prepared for a wheel change (→ page 458).

Wheel trim

On vehicles with aluminum wheels, the wheel trim covers the wheel bolts. Remove the wheel trim before unscrewing the wheel bolts.



- ▶ **Removing:** use both hands to carefully grip the two wheel trim apertures and pull the wheel trim away.
- ▶ **Installing:** position the wheel trim and press it firmly until it engages.

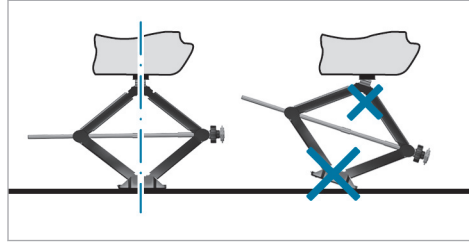
Raising the vehicle when changing a wheel

Requirements

- There are no persons in the vehicle.
- The vehicle has been prepared for a wheel change (→ page 458).

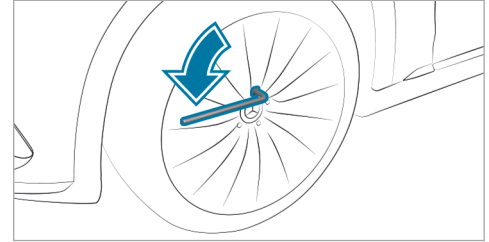
Important notes on using the jack:

- Use only a vehicle-specific jack that has been approved by 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, flat 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.

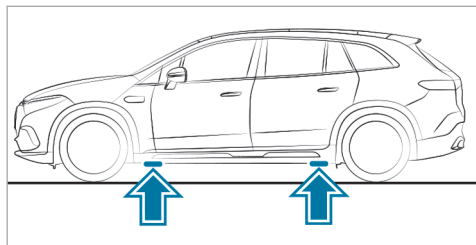


Rules of conduct when the vehicle is raised:

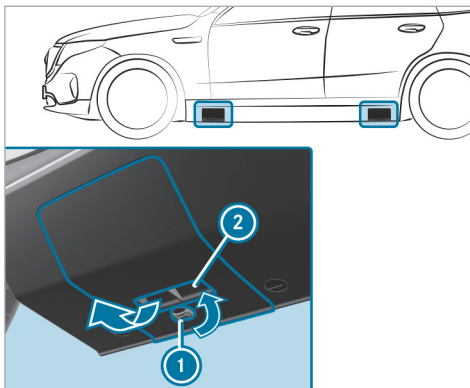
- Do not put your hands or feet under the vehicle.
- Do not lie under the vehicle.
- Do not start the vehicle and do not release the electric parking brake.
- Do not open or close any doors or the tailgate.



- ▶ Using the wheel wrench, 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

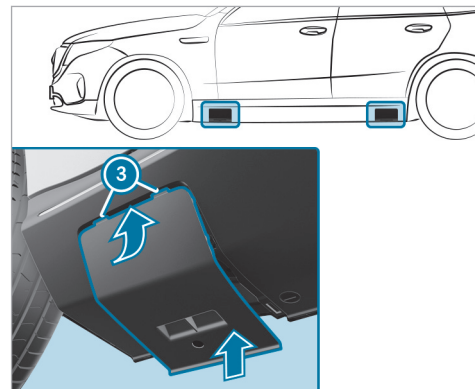


Cover of the jack support points

Before positioning the jack, you must remove the covers for the jack support points.

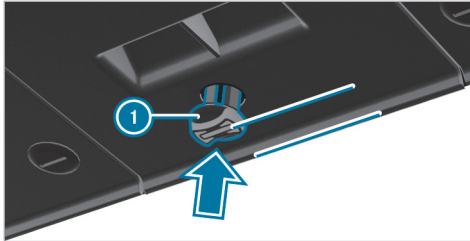
- ▶ **To remove:** turn clip ① on the cover one quarter turn and remove.
- ▶ Pull the cover downwards using handle ② until the cover releases at the top of the longitudinal member panel.

▶ Remove the cover.



Cover of the jack support points

- ▶ **To install:** insert tabs ③ of the cover into the recesses of the longitudinal member panel and press the covers closed.



- ▶ Insert retaining clip ① into the cover, as shown in the illustration, until you hear it engage in the floor bush. Make sure that the floor bush in the vehicle is correctly aligned to the cover.

⚠ 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 using an unsuitable jack

You can damage the vehicle and, in particular, the high-voltage battery if you use a jack that is not specifically designed for the jack support points of the vehicle.

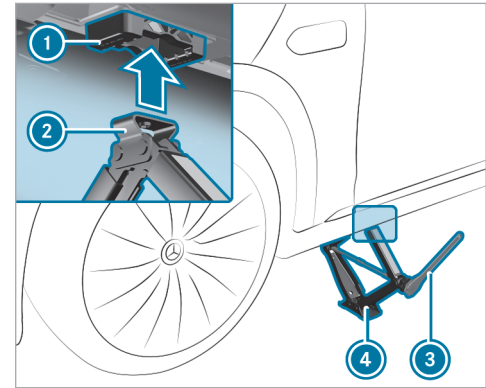
- ▶ Only use jacks that are specifically designed for the jack support points, or use an appropriate adapter.

! NOTE Risk of damage to the vehicle due to incorrect positioning of the jack

If you do not position the jack at the designated jack support points, you could damage your vehicle and, in particular, the high-voltage battery.

- ▶ Only position the jack at the designated jack support points.

- ▶ Take the ratchet out of the tire-change tool kit and place it on the hexagon nut of the jack so that the letters "AUF" are visible.



- ▶ Position support ② of jack ④ on jack support point ①.
- ▶ 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 tire is raised a maximum of 1.2 in (3 cm) from the ground.
- ▶ Loosen and remove the wheel (→ page 462).

Removing a wheel

Requirements:

- The vehicle is raised.

When changing a wheel, avoid applying any force to the brake disks, since this could impair the level of comfort when braking.

! **NOTE** Damage to the wheels' plastic elements when changing a wheel

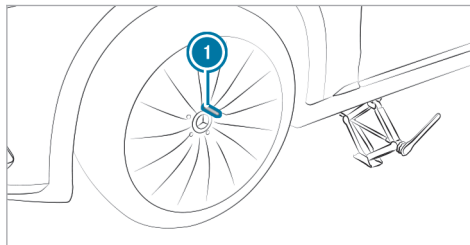
Plastic elements on wheels may be damaged when removing and repositioning the wheel.

- ▶ Do not raise the wheels by the plastic elements when removing and repositioning.

! **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 centering pin ① into the thread instead of the wheel bolt.
- ▶ Unscrew the remaining wheel bolts completely.
- ▶ Remove the wheel.

Installing a new wheel

Requirements:

- The wheel to be changed is removed and the centering pin is screwed in (→ page 462).

! **WARNING** Risk of accident from losing a wheel

Oiled, greased or damaged wheel bolt/wheel nut threads or wheel hub/wheel mounting bolt threads can cause the wheel bolts/wheel nuts to come loose.

- ▶ 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 notes on the choice of tires (→ page 454).

For tires with a specified direction of rotation, an arrow on the side wall of the tire indicates the correct direction of rotation. Observe the direction of rotation when installing.

! **NOTE** Damage to the wheels' plastic elements when changing a wheel

Plastic elements on wheels may be damaged when removing and repositioning the wheel.

- ▶ Do not raise the wheels by the plastic elements when removing and repositioning.

- ▶ Slide the wheel to be mounted onto the centering pin and push it on.

! **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.

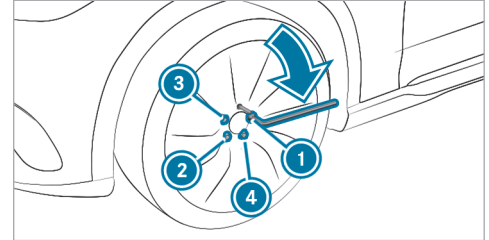
- ▶ Observe the instructions and safety notes on "Changing a wheel" (→ page 454).
- ▶ For safety reasons, only use wheel bolts which have been approved by Mercedes-Benz and for the wheel in question.

! **NOTE** Paint damage to the rim when inserting the first wheel bolt

If the wheel has too much free play when inserting the first wheel bolt, there is a risk of damaging the paintwork on the rim.

- ▶ When inserting the first wheel bolt, be sure to apply sufficient pressure to the wheel hub.

- ▶ Tighten the wheel bolts evenly in a diagonal pattern in the order indicated until they are hand-tight.



- ▶ Unscrew and remove the centering pin.
- ▶ Tighten the last wheel bolt until it is hand-tight.
- ▶ Lower the vehicle and tighten wheel bolts with the prescribed tightening torque. (→ page 463).

Lowering the vehicle after a wheel change

Requirements:

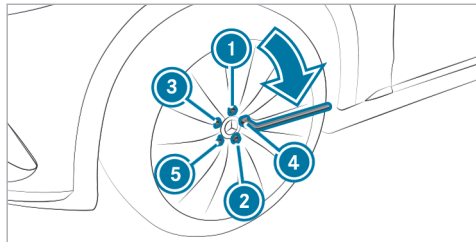
- The new wheel has been installed (→ page 462).

NOTE Risk of vehicle jack becoming trapped by the AIRMATIC system

If the AIRMATIC system has released air when raising the vehicle, the jack can become trapped when the vehicle is lowered.

- ▶ Start the drive system. This adapts the vehicle level.
- ▶ Remove the jack from under the vehicle.

▶ **To lower the vehicle:** place the ratchet wrench onto the hexagon nut of the jack so that the lettering "AB" are visible and turn counter-clockwise.



- ▶ Tighten the wheel bolts evenly in a diagonal pattern in the order indicated ① to ⑤ with an initial maximum force of 59 lb-ft (80 Nm).
- ▶ Tighten the wheel bolts evenly in a diagonal pattern in the indicated order ① to ⑤ with the specified tightening torque of 111 lb-ft (150 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 tire pressure of the newly installed wheel and adjust it if necessary.

ⓘ The following does not apply if the new wheel is an emergency spare wheel:

- ▶ **Vehicles with tire pressure monitoring system:** restart the tire pressure monitoring system (→ page 441).

Emergency spare wheel

Notes on the emergency spare wheel

WARNING Risk of accident caused by incorrect wheel and tire dimensions

The wheel or tire sizes and the tire 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 install 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.

i The emergency spare wheel is secured in the load compartment on the load compartment floor.

Observe the following notes on installing an emergency spare wheel:

- The maximum permissible speed with an emergency spare wheel installed is 50 mph (80 km/h).
 - Do not install 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 tire pressure of the emergency spare wheel when installed. Correct the pressure as necessary.
- i** The specified tire pressure is stated on the label of the emergency spare wheel.
- i** **Vehicles with tire pressure monitoring system:** if an emergency spare wheel is installed, the tire pressure monitoring system cannot function reliably. For a few minutes after an emergency spare wheel is installed, the system may still display the tire pressure of the removed wheel. Only restart the system when the emergency spare wheel has been replaced with a new wheel.

Be sure to observe the following further related topics:

- Notes on tire pressure (→ page 436)
- Tire and load information placard (→ page 441)
- Tire pressure table (→ page 438)
- Notes on installing tires (→ page 454)
- Installing an emergency spare wheel (→ page 458)

Notes on technical data

The data stated only applies to vehicles with standard equipment. You can obtain further information from an authorized Mercedes-Benz Center.

Vehicle electronics

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 jeopardize 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 antenna.
- The exterior antenna is installed incorrectly or is not a low-reflection antenna.

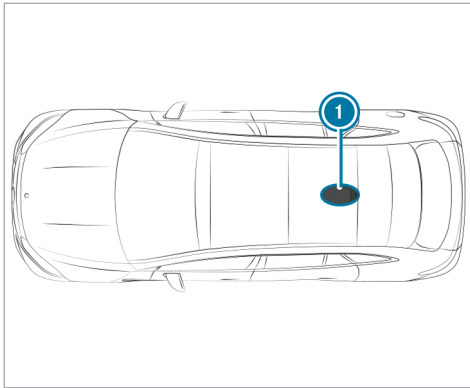
This could jeopardize the operating safety of the vehicle.

- ▶ Have the low-reflection exterior antenna installed at a qualified specialist workshop.
- ▶ When operating two-way radios in the vehicle, always connect them to the low-reflection exterior antenna.

! 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 antenna positions.



1 Rear roof area

Installing a roof antenna on a vehicle with a panorama roof with power tilt/sliding panel 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 antenna connectors provided in the pre-installation. Observe the manufacturer's supplements when installing.

Mobile phone transmission output

The maximum transmission output (PEAK) at the base of the antenna 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

Frequency band	Maximum transmission output
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 regarding the positioning of the antenna on the outside of the vehicle for the following frequency bands:

- Terrestrial Trunked Radio (TETRA)
- 2G/3G/4G/5G

Radio regulations

Regulatory radio identifiers and specific notes

Manufacturer information about radio-based vehicle components can be found using the key phrase "Regulatory radio information" in the Digital Operator's Manual in the vehicle, on the internet and in the app.

Further information and updates are available at the following web address:

[https://
regulatoryradioinformation.corpinter.net/us](https://regulatoryradioinformation.corpinter.net/us)



Information about the specific absorption rate (SAR)

Information on the specific absorption rate (SAR) can be found under the key word "Regulatory

information" in the vehicle's Digital Operator's Manual, on the Internet and in the app.

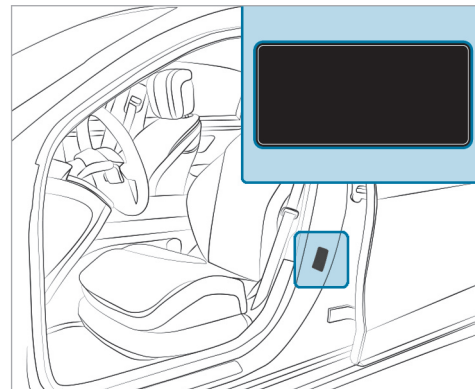
Further information and updates are available at the following web address:

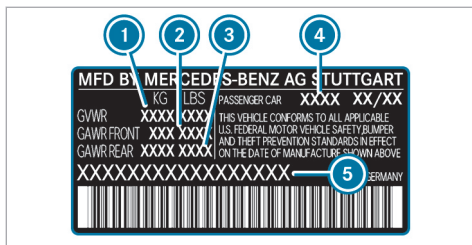
[https://
regulatoryradioinformation.corpinter.net/us](https://regulatoryradioinformation.corpinter.net/us)



Vehicle identification plate, VIN and engine number overview

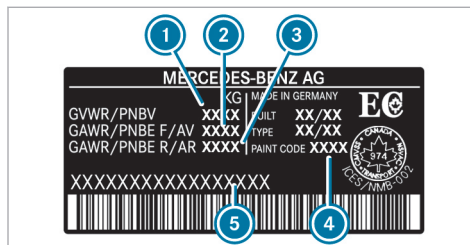
Vehicle identification plate





Vehicle identification plate (USA only)

- ① Gross vehicle weight rating
- ② Maximum permissible front axle load
- ③ Maximum permissible rear axle load
- ④ Paint code
- ⑤ VIN (vehicle identification number)



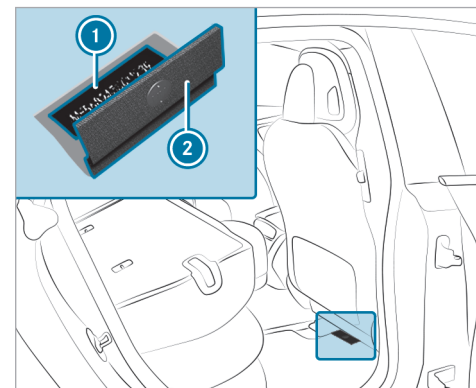
Vehicle identification plate (Canada only)

- ① Gross vehicle weight rating
- ② Maximum permissible front axle load
- ③ Maximum permissible rear axle load
- ④ Paint code
- ⑤ VIN (vehicle identification number)

The gross vehicle weight rating is made up of the vehicle weight, all vehicle occupants and the load. The gross axle weight rating is the maximum weight that can be carried on one axle (front or rear axle).

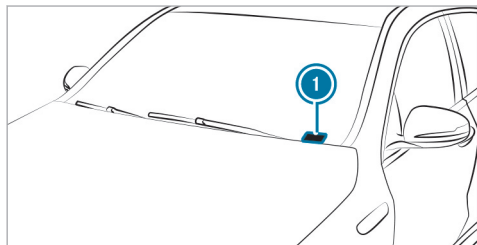
Do not exceed the gross vehicle weight rating or the gross axle weight rating for the front or rear axle.

VIN below the right front seat



- ① Imprinted VIN (vehicle identification number)
- ② Floor covering

VIN at the lower edge of the windshield



- ① VIN (vehicle identification number) as a label

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:

- lubricants
- coolant
- brake fluid
- windshield washer fluid
- climate control system refrigerant

Only use products approved by Mercedes-Benz. Damage to the vehicle caused by the use of prod-

ucts that have not been approved is not covered by the Mercedes-Benz warranty or goodwill gestures.

You can identify operating fluids approved by Mercedes-Benz by the following inscriptions 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 is available at the following locations:

- 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

Notes on brake fluid

Please observe the notes on operating fluids (→ page 470).

⚠ WARNING Risk of an accident due to vapor 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, vapor pockets may form in the brake system when the brakes are applied hard.

This causes the braking effect to be impaired.

- ▶ 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 according to MB-Freigabe or MB-Approval 331.0 approved by Mercedes-Benz.

Coolant

■ Notes on coolant

Observe the notes on operating fluids (→ page 470).

⚠ 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 drive system to cool down before you add 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 protection-concentrate in the cooling system:

- A minimum of 50 % (antifreeze protection down to about -35°F (-37°C))

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- A maximum of 55 % (antifreeze protection down to -49°F (-45°C))

Coolant filling capacity

Coolant (cooling circuit of drive system)

Model	Capacity
EQS 450+	11.6 US qt (11.0 liters)
EQS 450 4MATIC EQS 580 4MATIC	12.7 US qt (12.0 liters)

Coolant (cooling circuit of high-voltage battery)

Model	Capacity
EQS 450+ EQS 450 4MATIC EQS 580 4MATIC	15.9 US qt (15.0 l)

Notes on windshield washer fluid

Observe the notes on operating fluids (→ page 470).

⚠ WARNING Risk of fire and injury from windshield washer concentrate

Windshield washer concentrate is highly flammable. If it comes into contact with hot components, it may ignite.

▶ Make sure that windshield washer concentrate is not spilled near to the filler opening.

! NOTE Damage to the exterior lighting due to unsuitable windshield washer fluid

Unsuitable windshield washer fluid may damage the plastic surface of the exterior lighting.

▶ Only use windshield washer fluid which is also suitable for use on plastic surfaces, e.g. MB SummerFit or MB WinterFit.

! NOTE Blocked spray nozzles caused by mixing windshield washer fluids

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

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

Recommended windshield 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 windshield washer fluid all year round.

Refrigerant

Notes on refrigerant

Observe the notes on operating fluids (→ page 470).

! NOTE Damage due to incorrect refrigerant

If a non-approved refrigerant is used, the climate control system may be damaged.

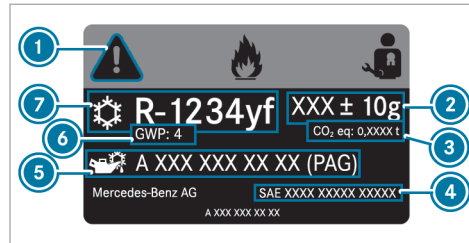
- ▶ Use only R-1234yf refrigerant.

! NOTE Damage to the climate control system due to incorrect refrigerant compressor oil

- ▶ Only use refrigerant compressor oil that has been approved by Mercedes-Benz.
- ▶ Do not mix the approved refrigerant compressor oil with a different refrigerant compressor oil.

Work on the climate control system may be carried out only at a qualified specialist workshop. All applicable regulations, as well as SAE standard J639, must be adhered to.

The information label on the climate control system for the refrigerant type and the refrigerant compressor oil (PAG oil) is located on the inside of the hood.



Information label

- ① Hazard and service warning symbols
- ② Refrigerant filling capacity
- ③ CO₂ equivalent of the refrigerant used
- ④ Applicable standards
- ⑤ PAG oil part number
- ⑥ GWP (global warming potential) of the refrigerant used
- ⑦ Refrigerant type

Symbols ① indicate the following:

- Possible dangers

- Maintenance work to be carried out at a qualified specialist workshop

■ Filling capacity for refrigerant and PAG oil

Refrigerant filling capacity

Model	Refrigerant
EQS 450+	40.6 ± 0.4 oz
EQS 450 4MATIC	(1,150 ± 10 g)
EQS 580 4MATIC	

Filling quantity for PAG oil

Model	PAG oil
EQS 450+	5.6 ± 0.4 oz
EQS 450 4MATIC	(160 ± 10 g)
EQS 580 4MATIC	

Vehicle data

Vehicle dimensions

The heights specified may vary as a result of the following factors:

- Tires
- Load
- Condition of the suspension
- Special equipment

Vehicle length

Model	
EQS 580 4MATIC	202.2 in (5136 mm)
All other models	201.8 in (5125 mm)

Vehicle dimensions

All models	
Vehicle width including exterior mirrors	84.9 in (2157 mm)
Vehicle height	67.8 in (1723 mm)

All models

Wheelbase	126.4 in (3210 mm)
Turning radius	39.0 ft (11.9 m)
Maximum ground clearance	8.7 in (222 mm)
Minimum ground clearance	6.4 in (163 mm)

Weights and loads

Bear in mind that special equipment increase the curb weight and reduce the payload. Vehicle-specific weight information can be found on the vehicle identification plate.

Off-road driving

Also observe the notes on driving off-road, on mountainous terrain and fording (→ page 200).

Fording

! **NOTE** Damage caused by water when fording

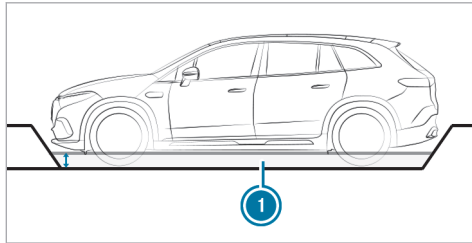
In the following cases water can penetrate into the engine compartment and vehicle interior:

- The maximum permissible fording depth is exceeded when driving through standing water.
- When driving through the water a bow wave forms.
- Water accumulates when driving through running water.

▶ Do not exceed the maximum permissible fording depth and drive slowly through the water.

The specified value indicates the maximum permissible fording depth for vehicles that are in ready-to-drive condition and for slow driving through standing water.

Driving through flowing water reduces the permissible fording depth due to the accumulation of water.



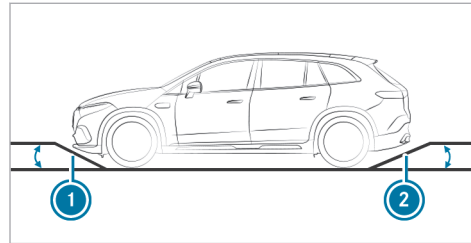
Fording depth

Model	① Fording depth
All models	11.8 in (30 cm)

Notes on the angle of approach/departure

The specified values are maximum values for vehicles that are in ready-to-drive condition.

In vehicles with AIRMATIC, loading the vehicle up to the maximum payload has no effect on the angles of approach/departure.



Angle of approach/departure

All models	① Front	② Rear
Normal level	16.8°	18.8°
Raised level	20.5°	20.7°

High-voltage battery

Missing values were not available by the editorial deadline.

Energy content and charging times

All models	
Type	Lithium-ion
Usable energy content	118.0 kWh
Range in all-electric mode	
Charging time – Mode 4	approx. 31 min
with up to 200 kW peak charging power	
Charging time – Mode 3	Approx. 14 h
with 9.6 kW charging power	

Charging time – mode 3 applies to AC charging from 0 % to 100 % of the usable energy content. Charging time – mode 4 applies to DC charging from 10 % to 80 % of the usable energy content.

The time taken 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 nominal voltage range for your vehicle can be found on the information label in the socket flap (→ page 213).

Trailer hitch

General notes on the trailer hitch

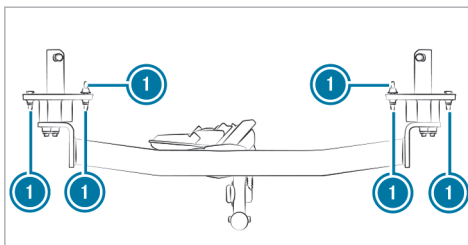
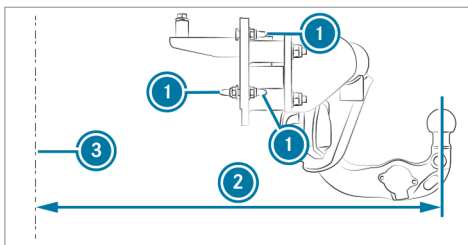
Modifications to the cooling system may be necessary, depending on the vehicle model. Retrofitting a trailer hitch is permissible only if a trailer load is specified in your vehicle documents.

Further information can be obtained at a qualified specialist workshop.

Observe the information and notes on the trailer hitch (→ page 322).

Mounting dimensions of the trailer hitch

The overhang dimension and fastening points are valid for a trailer hitch installed at the factory.



- ① Fastening points
- ② Overhang dimension
- ③ Rear axle center line

Missing values were not available at time of going to print.

Overhang dimension length

Model	② Overhang dimension
All models	

Trailer load

ⓘ The tongue weight is not included in the trailer load.

Missing values were not available at the time of going to press.

Trailer load, braked (at a minimum start-off gradeability of 12 %)

Model	Trailer load, braked
All models	

Trailer load, unbraked

Model	Trailer load, unbraked
All models	

Maximum tongue weight- and load capacity

! NOTE Damage caused by the trailer coming loose

If the tongue weight used is too low, the trailer may come loose.

- ▶ The tongue weight must not be below 110.2 lbs (50 kg).
- ▶ Use a tongue weight that is as close as possible to the maximum permissible tongue weight.

! NOTE Damage caused by the bicycle rack coming loose

When using a bicycle rack, both the maximal tongue weight and the maximal load capacity should be observed.

▶ Do not exceed the permissible load capacity.

Missing values were not available by the editorial deadline.

Tongue weight

Model	Maximum tongue weight
All models	

Load capacity

Model	Maximum load capacity
All models	

Permissible rear axle load (trailer operation)

Missing values were not available by the editorial deadline.

Trailer operation axle load

Model	Axle load
All models	

Display messages

Introduction



Information about display messages



Display messages appear on the driver display.


Display messages with graphical symbols are simplified in the Operator'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 Operator'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
 <p data-bbox="194 383 471 435">Restraint System Malfunction Service Required</p>	<p data-bbox="526 290 1053 315">* The restraint system is malfunctioning (→ page 48).</p> <div data-bbox="554 336 1690 372" style="background-color: #f0f0f0; padding: 5px;"> <p data-bbox="563 341 1247 367">▲ DANGER Risk of death due to the restraint system malfunctioning</p> </div> <p data-bbox="563 378 1663 435">Components in the restraint system may be activated unintentionally or not deploy as intended in an accident. In the event of an accident, the high-voltage on-board electrical system may not be deactivated as intended.</p> <p data-bbox="563 440 1653 492">You may receive an electric shock if you touch the damaged components of the high-voltage on-board electrical system.</p> <ul data-bbox="563 502 1524 564" style="list-style-type: none"> <li data-bbox="563 502 1524 528">► Have the restraint system checked and repaired immediately at a qualified specialist workshop. <li data-bbox="563 533 1118 564">► After an accident, switch off the vehicle immediately.
 <p data-bbox="194 683 471 735">Front Left Malfunction Service Required (example)</p>	<p data-bbox="526 590 1053 616">* The restraint system is malfunctioning (→ page 48).</p> <div data-bbox="554 637 1690 673" style="background-color: #f0f0f0; padding: 5px;"> <p data-bbox="563 642 1247 668">▲ DANGER Risk of death due to the restraint system malfunctioning</p> </div> <p data-bbox="563 678 1663 735">Components in the restraint system may be activated unintentionally or not deploy as intended in an accident. In the event of an accident, the high-voltage on-board electrical system may not be deactivated as intended.</p> <p data-bbox="563 740 1653 792">You may receive an electric shock if you touch the damaged components of the high-voltage on-board electrical system.</p> <ul data-bbox="563 802 1524 865" style="list-style-type: none"> <li data-bbox="563 802 1524 828">► Have the restraint system checked and repaired immediately at a qualified specialist workshop. <li data-bbox="563 833 1118 865">► After an accident, switch off the vehicle immediately.


Display messages	Possible causes/consequences and ► Solutions
 <p data-bbox="144 342 393 422">Left Window Airbag Malfunction Service Required (example)</p>	<p data-bbox="476 249 1003 275">* The restraint system is malfunctioning (→ page 48).</p> <div data-bbox="500 291 1646 436" style="border: 1px solid black; padding: 5px;"> <p data-bbox="506 301 1411 327">▲ WARNING Risk of injury or fatal injury due to a malfunction in the window curtain airbag</p> <p data-bbox="506 339 1578 389">The window curtain airbag might be triggered unintentionally or might not be triggered at all in the event of an accident.</p> <p data-bbox="506 401 1530 427">► Have the window curtain airbag checked and repaired immediately at a qualified specialist workshop.</p> </div>
<p data-bbox="144 453 426 526">Front Passenger Airbag Disabled See Operator's Manual</p>	<p data-bbox="476 453 1641 529">* The front passenger air bag and the front passenger knee bag have 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.</p> <div data-bbox="500 544 1646 752" style="border: 1px solid black; padding: 5px;"> <p data-bbox="506 555 1319 581">▲ WARNING Risk of injury or fatal injury due to a disabled front passenger airbag</p> <p data-bbox="506 593 1631 643">If the front passenger airbag is disabled, the front passenger airbag will not be deployed in the event of an accident and cannot perform its intended protective function.</p> <p data-bbox="506 655 1604 705">A person in the front passenger seat could then, for example, come into contact with the vehicle's interior, especially if the person is sitting too close to the cockpit.</p> <p data-bbox="506 717 1544 743">► Make sure, both before and during the journey, that the status of the front passenger airbag is correct.</p> </div> <ul data-bbox="495 769 1267 866" style="list-style-type: none"> <li data-bbox="495 769 1215 795">► Stop the vehicle immediately in accordance with the traffic conditions. <li data-bbox="495 803 1215 829">► Make sure that no objects are trapped under the front passenger seat. <li data-bbox="495 838 1267 864">► Check the status of automatic front passenger air bag shutoff (→ page 50).



Display messages	Possible causes/consequences and ► Solutions
<p>Front Passenger Airbag Enabled See Operator's Manual</p>	<p>► If necessary, consult a qualified specialist workshop immediately.</p> <p>* The front passenger air bag and the front passenger knee bag will be enabled while the vehicle is in motion in the following situations:</p> <ul style="list-style-type: none"> • 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 <p>The system may detect objects or forces that are adding to the weight applied to the seat.</p> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p>⚠ WARNING Risk of injury or death when using a child restraint system while the front passenger airbag is enabled</p> <p>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.</p> <p>► Ensure, both before and during the journey, that the status of the front passenger airbag is correct.</p> <p>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.</p> </div> <p>► Stop the vehicle immediately in accordance with the traffic conditions.</p> <p>► Make sure that no objects are trapped under the front passenger seat.</p>



482 Display messages and warning/indicator lamps



Display messages	Possible causes/consequences and ► Solutions
	<ul style="list-style-type: none">► Check the status of automatic front passenger air bag shutoff (→ page 50).► If necessary, consult a qualified specialist workshop immediately.
Occupant Presence Reminder Inoperative	<ul style="list-style-type: none">* The occupant presence reminder is malfunctioning<ul style="list-style-type: none">► Consult a qualified specialist workshop.
 <p>Do Not Leave People or Animals in the Vehicle</p>	<ul style="list-style-type: none">* The occupant presence reminder suspects that there are persons or animals in the rear of the vehicle.<ul style="list-style-type: none">► Do not leave any persons or animals behind when leaving the vehicle.



SmartKey





Display messages	Possible causes/consequences and ► Solutions
 <p>Replace Key Battery</p>	<ul style="list-style-type: none">* The key battery is discharged.<ul style="list-style-type: none">► Replace the battery (→ page 81).

Display messages	Possible causes/consequences and ► Solutions
 <p data-bbox="195 344 439 394">Key Not Detected (white display message)</p>	<p data-bbox="522 251 857 273">* The key is currently undetected.</p> <ul style="list-style-type: none"> <li data-bbox="545 285 1018 307">► Change the location of the key in the vehicle. <li data-bbox="545 322 805 343">► Try to start the vehicle. <li data-bbox="545 358 1434 380">► If the key is still not detected, place it in the slot for starting with the key (→ page 196). <li data-bbox="545 394 746 416">► Start the vehicle.
 <p data-bbox="195 524 463 573">Key Not Detected (red display message)</p>	<p data-bbox="522 430 1400 452">* The key can no longer be detected during a journey and may no longer be in the vehicle.</p> <p data-bbox="545 467 1190 488">If the key is no longer in the vehicle and you switch off the vehicle:</p> <ul style="list-style-type: none"> <li data-bbox="552 503 925 525">• You can no longer start the vehicle. <li data-bbox="552 539 944 561">• You cannot centrally lock the vehicle. <p data-bbox="545 576 931 597">► Ensure that the key is in the vehicle.</p> <p data-bbox="545 628 1031 650">If the key is in the vehicle and is still not detected:</p> <ul style="list-style-type: none"> <li data-bbox="545 665 1264 686">► Stop the vehicle immediately in accordance with the traffic conditions. <li data-bbox="545 701 1308 723">► Place the key in the slot for starting the engine with the key (→ page 196). <p data-bbox="545 747 918 769">The key battery is weak or discharged.</p> <ul style="list-style-type: none"> <li data-bbox="545 784 1134 806">► Check the battery using the indicator lamp (→ page 79). <li data-bbox="545 820 1077 842">► Replace the key battery, if necessary (→ page 81).





Display messages	Possible causes/consequences and ► Solutions
 <p>Initializing Key Please Wait</p>	<ul style="list-style-type: none"> * The vehicle is processing in order to teach in the new key. <ul style="list-style-type: none"> ► Wait until processing is complete.
 <p>Don't Forget Your Key</p>	<ul style="list-style-type: none"> * A warning tone also sounds. This message reminds you to take your key with you when you leave the vehicle.
<p>Place the Key in the Marked Space See Operator's Manual</p>	<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 196).
<p>Searching for Key in Stowage Tray or Digital Vehicle Key in Inductive Charging Bracket... See Operator's Manual</p>	<ul style="list-style-type: none"> * The key has not been detected. <ul style="list-style-type: none"> ► Place the key in the marked space (→ page 196). <p>If the key is still not detected:</p> <ul style="list-style-type: none"> ► Consult a qualified specialist workshop. * The Digital Vehicle Key has not been detected. <ul style="list-style-type: none"> ► Place the Digital Vehicle Key in the marked space (→ page 195).



Display messages	Possible causes/consequences and ► Solutions
 <p data-bbox="195 417 375 441">Key Not Detected</p>	<p data-bbox="547 249 981 273">If the Digital Vehicle Key is still not detected:</p> <ul style="list-style-type: none"> <li data-bbox="547 282 966 306">► Consult a qualified specialist workshop. <p data-bbox="524 325 1106 349">* The key or the Digital Vehicle Key is currently undetected.</p> <ul style="list-style-type: none"> <li data-bbox="547 358 1267 382">► Change the location of the key or the Digital Vehicle Key in the vehicle. <li data-bbox="547 391 805 415">► Try to start the vehicle. <li data-bbox="547 424 1356 448">► If the key is still not detected, place the key in the marked space (→ page 196). <li data-bbox="547 457 1650 481">► If the Digital Vehicle Key is still not detected, place the Digital Vehicle Key in the marked space (→ page 195). <li data-bbox="547 491 746 514">► Start the vehicle.
 <p data-bbox="195 635 436 707">Key Not Detected Place Digital Vehicle Key in Mobile Phone Cradle</p>	<p data-bbox="524 539 1600 563">* The key or the Digital Vehicle Key is no longer detected during a journey and may no longer be in the vehicle.</p> <p data-bbox="547 572 1439 596">If the key or the Digital Vehicle Key is no longer in the vehicle and you switch off the vehicle:</p> <ul style="list-style-type: none"> <li data-bbox="547 606 1023 629">• You will no longer be able to start the vehicle. <li data-bbox="547 639 1045 663">• You will not be able to lock the vehicle centrally. <ul style="list-style-type: none"> <li data-bbox="547 682 1180 706">► Ensure that the key or the Digital Vehicle Key is in the vehicle. <p data-bbox="547 736 1280 760">If the key or the Digital Vehicle Key is in the vehicle and is still not detected:</p> <ul style="list-style-type: none"> <li data-bbox="547 769 1267 793">► Stop the vehicle immediately in accordance with the traffic conditions. <li data-bbox="547 802 1066 826">► Place the key in the marked space (→ page 196). <li data-bbox="547 836 1212 859">► Place the Digital Vehicle Key in the marked space (→ page 195).

Display messages	Possible causes/consequences and ► Solutions
	<p>The key battery is weak or discharged.</p> <ul style="list-style-type: none"> ► Check the battery using the indicator lamp (→ page 79). ► Replace the key battery, if necessary (→ page 81). <p>The state of charge of the rechargeable battery of the end device with the Digital Vehicle Key is too low.</p> <ul style="list-style-type: none"> ► Immediately charge the rechargeable battery of the Digital Vehicle Key end device. <p>Otherwise, it may not be possible to restart the vehicle after it has been switched off.</p> <p>If the key or the Digital Vehicle Key is still not detected:</p> <ul style="list-style-type: none"> ► Consult a qualified specialist workshop.
 <p>Replace SmartKey See Operator's Manual</p>	<ul style="list-style-type: none"> * If the Digital Vehicle Key is not renewed, the vehicle cannot be unlocked/locked or started. ► The system will automatically renew the Digital Vehicle Key. When renewal is complete, the message will disappear and the Digital Vehicle Key will be available again.
 <p>Take SmartKey With You</p>	<ul style="list-style-type: none"> * A warning tone also sounds. This message reminds you to take your key with you when you leave the vehicle. This also applies to the Digital Vehicle Key.

Display messages	Possible causes/consequences and ► Solutions
 <p data-bbox="195 342 463 391">Digital Vehicle Key Charge Device</p>	<ul style="list-style-type: none"> * The state of charge of the rechargeable battery of the end device with the Digital Vehicle Key is too low. <ul style="list-style-type: none"> ► Immediately charge the rechargeable battery of the Digital Vehicle Key end device.
 <p data-bbox="195 511 463 534">Initializing Key Please Wait</p>	<ul style="list-style-type: none"> * The vehicle is processing in order to teach in the new Digital Vehicle Key. <ul style="list-style-type: none"> ► Wait until processing is complete.
 <p data-bbox="195 653 436 702">Key Does Not Belong to Vehicle</p>	<ul style="list-style-type: none"> * The vehicle cannot be unlocked/locked or started. <ul style="list-style-type: none"> ► Use the Digital Vehicle Key belonging to the vehicle.
 <p data-bbox="195 822 380 845">Obtain a New Key</p>	<ul style="list-style-type: none"> * Have the key replaced. <ul style="list-style-type: none"> ► Consult a qualified specialist workshop.

Lights


Display messages	Possible causes/consequences and ► Solutions
 <p data-bbox="144 384 384 433">Malfunction See Operator's Manual</p>	<ul style="list-style-type: none"> <li data-bbox="469 293 864 319">* The exterior lighting is malfunctioning. <ul style="list-style-type: none"> <li data-bbox="495 324 912 350">► Consult a qualified specialist workshop. <li data-bbox="469 360 994 386">* Vehicles with a trailer hitch: a fuse may have blown. <ul style="list-style-type: none"> <li data-bbox="495 391 1092 417">► Stop the vehicle in accordance with the traffic conditions. <li data-bbox="495 422 1138 448">► Check the fuses and replace them if necessary (→ page 431).
 <p data-bbox="144 565 393 614">Automatic Driving Lights Inoperative</p>	<ul style="list-style-type: none"> <li data-bbox="469 474 1092 500">* The light sensor for automatic driving lights is malfunctioning. <ul style="list-style-type: none"> <li data-bbox="495 505 912 531">► Consult a qualified specialist workshop.
 <p data-bbox="144 733 362 759">Switch On Headlights</p>	<ul style="list-style-type: none"> <li data-bbox="469 642 935 668">* You are driving without low-beam headlamps. <ul style="list-style-type: none"> <li data-bbox="495 673 1021 699">► Turn the light switch to the  or AUTO position.



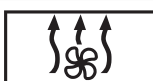
Display messages	Possible causes/consequences and ► Solutions
 <p data-bbox="195 342 371 366">Switch Off Lights</p>	<ul style="list-style-type: none"> <li data-bbox="522 249 1147 273">* You are leaving the vehicle and the lights are still switched on. <ul style="list-style-type: none"> <li data-bbox="543 283 986 307">► Turn the light switch to the AUTO position.
<p data-bbox="195 391 450 439">DIGITAL LIGHT Functions Limited</p>	<ul style="list-style-type: none"> <li data-bbox="522 391 1674 439">* The DIGITAL LIGHT system is malfunctioning. The lighting system will continue to work even without the functions of the DIGITAL LIGHT system. <ul style="list-style-type: none"> <li data-bbox="543 449 962 473">► Consult a qualified specialist workshop.
 <p data-bbox="195 586 352 634">Check Left Low Beam (example)</p>	<ul style="list-style-type: none"> <li data-bbox="522 493 968 516">* The corresponding light source is defective. <ul style="list-style-type: none"> <li data-bbox="543 527 755 551">► Drive on carefully. <li data-bbox="543 561 1086 585">► Consult a qualified specialist workshop immediately. <li data-bbox="543 595 1689 643">ⓘ LED light sources: the display message for the corresponding light appears only when all the light-emitting diodes in the light are faulty.
<p data-bbox="195 664 458 737">Adaptive Highbeam Assist Currently Unavailable See Operator's Manual</p>	<ul style="list-style-type: none"> <li data-bbox="522 664 1055 722">* Adaptive Highbeam Assist is temporarily unavailable. The system limits have been reached (→ page 161). Once the cause of the problem is no longer present, the system will be available again. The Adaptive Highbeam Assist Now Available display message will appear. <ul style="list-style-type: none"> <li data-bbox="543 794 663 818">► Drive on <li data-bbox="543 828 1387 852">► Operate the high beam manually until Adaptive High Beam Assist is available again.

490 Display messages and warning/indicator lamps

Display messages	Possible causes/consequences and ► Solutions
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.
Hazard Warning Light Malfunction	<ul style="list-style-type: none">* The hazard warning lamp switch is malfunctioning.<ul style="list-style-type: none">► Consult a qualified specialist workshop.



Climate control



Display messages	Possible causes/consequences and ► Solutions
 Currently Not Available Charging of the High-voltage Battery Not Completed	<ul style="list-style-type: none">* The high-voltage battery is charging. Pre-entry climate control cannot be switched on.<ul style="list-style-type: none">► Wait until the charging process has achieved a minimum state of charge.


Display messages	Possible causes/consequences and ► Solutions
 <p data-bbox="194 341 452 419">Currently Not Available Charge High-voltage Battery</p>	<ul style="list-style-type: none"> * The charge of the high-voltage battery is too low. Pre-entry climate control cannot be switched on. <ul style="list-style-type: none"> ► Charge the high-voltage battery (→ page 213).
 <p data-bbox="194 533 452 611">Pre-entry Climate Control Available Again via Smart- Key after Vehicle Start</p>	<ul style="list-style-type: none"> * You have attempted to switch on pre-entry climate control more than three times with the vehicle switched off. <ul style="list-style-type: none"> ► Start the vehicle for ten seconds. Pre-entry climate control is operational again.
 <p data-bbox="194 725 452 833">Pre-entry Climate Control via SmartKey Currently Not Available. High-voltage Bat- tery Low</p>	<ul style="list-style-type: none"> * The charge of the high-voltage battery is too low. Pre-entry climate control cannot be switched on. <ul style="list-style-type: none"> ► Charge the high-voltage battery (→ page 213). When the high-voltage battery is sufficiently charged, pre-entry climate control will be operational again.



Drive system






Display messages	Possible causes/consequences and ► Solutions
<div data-bbox="155 291 312 373" data-label="Image"> </div> <p data-bbox="144 384 399 459">Cooling System Malfunction Stop Immediately Switch Off Vehicle</p>	<p data-bbox="476 291 713 313">* The coolant is too hot.</p> <ul style="list-style-type: none"> <li data-bbox="495 324 1522 350">► Stop the vehicle immediately in accordance with the traffic conditions and switch off the drive system. <div data-bbox="500 377 1644 415" style="background-color: #f0f0f0; padding: 5px;"> <p data-bbox="506 384 1042 410">▲ WARNING Risk of injury due to overheated vehicle</p> </div> <p data-bbox="510 425 1605 477">If you open the hood in the event of an overheated vehicle or fire in the engine compartment, the following situations may occur:</p> <ul style="list-style-type: none"> <li data-bbox="519 491 962 513">• You may come into contact with hot gases. <li data-bbox="519 524 1208 547">• You may come into contact with other escaping hot operating fluids. <ul style="list-style-type: none"> <li data-bbox="510 565 1600 588">► In the event of overheating or fire in the engine compartment, keep the hood closed and call the fire service. <li data-bbox="510 598 1291 621">► Allow the overheated vehicle to cool down first if you need to open the hood. <ul style="list-style-type: none"> <li data-bbox="495 653 962 676">► Wait until the drive system has cooled down. <li data-bbox="495 686 1208 709">► Make sure that the air supply to the vehicle radiator is not obstructed. <li data-bbox="495 720 1406 742">► Avoiding high loads on the drive system, drive to the nearest qualified specialist workshop.




Display messages	Possible causes/consequences and ► Solutions
 <p data-bbox="194 341 462 393">Towing Not Permitted See Operator's Manual</p>	<ul style="list-style-type: none"> * The drive system is malfunctioning. <ul style="list-style-type: none"> ► Have the vehicle transported only using a transporter or trailer (→ page 424).
 <p data-bbox="194 512 462 564">Acoustic Presence Indicator Inoperative</p>	<ul style="list-style-type: none"> * 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. <ul style="list-style-type: none"> ► Drive with particular care. ► Consult a qualified specialist workshop.
<p data-bbox="194 585 462 688">To Switch Off Vehicle Press and Hold Start/Stop Button for at Least 3 Seconds or Press 3 Times</p>	<ul style="list-style-type: none"> * You have pressed the start/stop button while the vehicle is in motion. <ul style="list-style-type: none"> ► To switch off the drive system while the vehicle is in motion (→ page 194).
<p data-bbox="194 709 462 761">Cannot Start Vehicle See Operator's Manual</p>	<ul style="list-style-type: none"> * It is not possible to start the vehicle. A malfunction has occurred in the drive system. <ul style="list-style-type: none"> ► Switch the vehicle off and lock it. ► After waiting for a short time, unlock the vehicle and start it again. ► If the display message appears again and the vehicle does not start, consult a qualified specialist workshop.




Display messages	Possible causes/consequences and ► Solutions
 <p data-bbox="144 339 399 391">Check Coolant Level See Operator's Manual</p>	<p data-bbox="476 249 765 270">* The coolant level is too low.</p> <div data-bbox="500 291 1646 376" style="border: 1px solid black; padding: 5px;"> <p data-bbox="506 301 1147 325">! NOTE Damage to the drive system due to insufficient coolant</p> <p data-bbox="506 339 981 363">► Avoid long journeys with insufficient coolant.</p> </div> <p data-bbox="495 391 1382 415">► Have the cooling system of the drive system checked at a qualified specialist workshop.</p>
	<p data-bbox="476 436 1073 456">* The cooling system has detected a component malfunction.</p> <p data-bbox="495 467 1406 491">► Avoiding high loads on the drive system, drive to the nearest qualified specialist workshop.</p>
<p data-bbox="144 542 413 594">Socket Flap Blocked Open Manually</p>	<p data-bbox="476 542 1461 563">* The socket flap is not opening automatically. An obstruction may be hindering the opening process.</p> <p data-bbox="495 573 1023 597">► Make sure that no objects are in the opening area.</p> <p data-bbox="495 608 796 631">► Open the socket flap again.</p>
<p data-bbox="144 649 408 726">Close Socket Flap Manually Automatic Reversing Function Active</p>	<p data-bbox="476 649 1443 670">* The socket flap is not closing automatically. An obstruction may be hindering the closing process.</p> <p data-bbox="495 680 1012 704">► Make sure that no objects are in the closing area.</p> <p data-bbox="495 714 796 738">► Close the socket flap again.</p>
<p data-bbox="144 756 408 832">Close Socket Flap Manually Automatic Not Functioning</p>	<p data-bbox="476 756 1374 780">* The socket flap is not closing automatically. The motor of the socket flap may be defective.</p> <p data-bbox="495 790 833 814">► Close the socket flap manually.</p> <p data-bbox="495 824 912 848">► Consult a qualified specialist workshop.</p>

Display messages	Possible causes/consequences and ► Solutions
 <p data-bbox="194 336 462 367">Charger Cable Connected</p>	<ul style="list-style-type: none"> <li data-bbox="517 248 1127 305">* You cannot pull away while the charging cable is connected. <ul style="list-style-type: none"> <li data-bbox="545 279 1044 305">► Disconnect the charging cable from the vehicle.
<p data-bbox="194 388 471 466">Not Possible to Unlock Charging Cable See Operator's Manual</p>	<ul style="list-style-type: none"> <li data-bbox="517 388 1681 512">* The charging cable connector cannot be removed from the vehicle socket. <ul style="list-style-type: none"> <li data-bbox="545 419 1681 476">► If the charging cable is under strain, relieve the strain on the charging cable connector by carefully pulling on the charging cable. <li data-bbox="545 481 1099 512">► Press the charging interruption button (→ page 224). <p data-bbox="545 533 1145 559">If the charging cable connector cannot be removed after that:</p> <ul style="list-style-type: none"> <li data-bbox="545 564 960 595">► Consult a qualified specialist workshop.
<p data-bbox="194 606 452 683">Vehicle Currently Not Charging... Charging Station Fault</p>	<ul style="list-style-type: none"> <li data-bbox="517 606 1386 740">* A malfunction has occurred in the charging station or the RFID card is not recognized. <ul style="list-style-type: none"> <li data-bbox="545 642 1136 668">► Start the charging process at a different charging station. <li data-bbox="545 678 572 704">or <li data-bbox="545 709 1182 740">► Use an alternative authentication method or payment method.
<p data-bbox="194 751 471 828">Charging Fault Change Charging Mode See Operator's Manual</p>	<ul style="list-style-type: none"> <li data-bbox="517 751 1155 849">* A temporary malfunction has occurred in the charging station. <ul style="list-style-type: none"> <li data-bbox="545 782 951 813">► Wait until the malfunction has passed. <li data-bbox="545 823 572 849">or




Display messages	Possible causes/consequences and ► Solutions
	<ul style="list-style-type: none"> ► Start the charging process at a different charging station. or ► Use an alternative authentication method or payment method.
AC Charging Inoperative Service Required	<ul style="list-style-type: none"> * The charging process cannot be started due to a malfunction. ► Consult a qualified specialist workshop.
DC Charging Inoperative Service Required	<ul style="list-style-type: none"> * The charging process cannot be started due to a malfunction. ► Consult a qualified specialist workshop.
Authentication Failed Use Different Authentication Method or Charging Station	<ul style="list-style-type: none"> * Plug-and-Charge is not expected to be available at this charging station. ► Use an alternative authentication method or payment method. or ► Start the charging process at a different charging station.
Reduced Drive System Performance See Operator's Manual	<ul style="list-style-type: none"> * The drive system is outside the normal operating temperature range, e.g. due to extremely low or high outside temperatures. Drive system power output is reduced. The yellow  reduced-power warning lamp is on. Once the operating temperature of the drive system returns to normal (e.g. after a short trip), the full output will be available again. The display message and the yellow  reduced-power warning lamp will go out. ► Drive on carefully. * The high-voltage battery is not charged sufficiently.



Display messages	Possible causes/consequences and ► Solutions
	<p>Drive system power output is reduced. The yellow  reduced-power warning lamp is on.</p> <ul style="list-style-type: none"> ► Drive on carefully. ► Charge the high-voltage battery immediately. <p>* If the drive system power output is still reduced, there is a malfunction in the drive system.</p> <ul style="list-style-type: none"> ► Drive on carefully. ► Consult a qualified specialist workshop.
<p>Charge High-Voltage Battery Vehicle Starting Ability Otherwise Not Guaranteed</p>	<p>* Due to a possible drop in temperature of the high-voltage battery, the starting ability or the range may drop significantly until the vehicle is restarted.</p> <ul style="list-style-type: none"> ► Charge the high-voltage battery (→ page 213).
<p>Wait in READY State Battery Is Warming Up See Operator's Manual</p>	<p>* Operational readiness is established  and the transmission position  is engaged.</p> <p>The high-voltage battery is warmed up to the operating temperature. This process can take a few minutes and may be prolonged if defrosting of the windshield  is activated.</p> <p>The heating process ends when transmission position  is engaged. However, when you are driving, the output will be significantly limited until the high-voltage battery has reached its operating temperature.</p>
<p>Preparing Drive System...</p>	<p>* The insulation of the drive system is being tested. This process can last for up to ten seconds.</p>

Display messages	Possible causes/consequences and ► Solutions
 <p data-bbox="144 342 421 391">Battery Too Low Stop Vehicle Charge Immediately</p>	<p data-bbox="473 249 1641 298">* The charge level of the high-voltage battery is so low that it is no longer possible to drive the vehicle. The drive system can no longer be restarted.</p> <p data-bbox="491 308 1585 357">When the drive system is restarted, the message Battery Too Low Stop Vehicle Charge Immediately will appear again.</p> <ul style="list-style-type: none"> <li data-bbox="491 367 1215 395">► Stop the vehicle immediately in accordance with the traffic conditions. <li data-bbox="491 406 986 434">► Charge the high-voltage battery (→ page 213).
 <p data-bbox="144 542 402 615">Battery Overheated Stop! Everyone Get Out! Outdoors if Possible</p>	<p data-bbox="473 449 1101 477">* The high-voltage battery has overheated. There is a risk of fire.</p> <ul style="list-style-type: none"> <li data-bbox="491 487 1215 515">► Stop the vehicle immediately in accordance with the traffic conditions. <li data-bbox="491 526 1387 554">► If possible, stop the vehicle in the open air and ensure that all vehicle occupants get out. <li data-bbox="491 564 1600 592">ⓘ Supporting vehicle functions may activate automatically, e.g. air-recirculation mode as part of climate control. <li data-bbox="491 602 765 630">► Do not continue driving. <li data-bbox="491 641 1300 669">► If smoke is present, leave the danger zone and call the fire service immediately. <li data-bbox="491 679 1332 707">► Consult a qualified specialist workshop even if there are no external signs of a fire.
 <p data-bbox="144 795 266 823">Malfunction</p>	<p data-bbox="473 702 1116 730">* The drive system is malfunctioning. A warning tone also sounds.</p> <ul style="list-style-type: none"> <li data-bbox="491 740 912 768">► Consult a qualified specialist workshop.

Display messages	Possible causes/consequences and ► Solutions
 <p data-bbox="194 336 397 393">Malfunction Service Required</p>	<ul style="list-style-type: none"> <li data-bbox="517 248 960 305">* The drive system is malfunctioning. <ul style="list-style-type: none"> <li data-bbox="545 279 960 305">► Consult a qualified specialist workshop.
 <p data-bbox="194 507 462 585">Have High-Voltage System Checked See Operator's Manual</p>	<ul style="list-style-type: none"> <li data-bbox="517 419 1081 476">* A function restriction has occurred in the drive system. <ul style="list-style-type: none"> <li data-bbox="545 450 960 476">► Consult a qualified specialist workshop.
<p data-bbox="194 611 425 663">Do Not Restart Vehicle Service Required</p>	<ul style="list-style-type: none"> <li data-bbox="517 611 1432 668">* It is not possible to restart the drive system due to a malfunction. <ul style="list-style-type: none"> <li data-bbox="545 647 1432 668">► Do not switch off the drive system; drive on to the nearest qualified specialist workshop.
 <p data-bbox="194 777 443 854">Drive Power and Range Reduced See Operator's Manual</p>	<ul style="list-style-type: none"> <li data-bbox="517 688 1219 813">* A malfunction has occurred in the high-voltage battery. Output and range will be severely restricted. <ul style="list-style-type: none"> <li data-bbox="545 751 905 777">► Switch the vehicle off and lock it. <li data-bbox="545 787 1219 813">► After waiting for a short time, unlock the vehicle and start it again. <p data-bbox="545 839 914 865">If the display message appears again:</p>

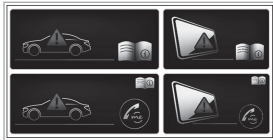
Display messages	Possible causes/consequences and ► Solutions
	<ul style="list-style-type: none">► Drive on carefully.► Fully charge the high-voltage battery (→ page 213). <p>If the output and range are still reduced, there is a malfunction in the drive system.</p> <ul style="list-style-type: none">► Drive on carefully.► Consult a qualified specialist workshop.
Cannot Start Vehicle See Operator's Manual	<p>* It is not possible to start the vehicle. A malfunction has occurred in the drive system.</p> <ul style="list-style-type: none">► Switch the vehicle off and lock it.► After waiting for a short time, unlock the vehicle and start it again.► If the display message appears again and the vehicle does not start, consult a qualified specialist workshop.
Drive Malfunction Achievable Speed Limited Stop Soon	<p>* The drive system is malfunctioning. The maximum vehicle speed is restricted. The drive system will shut off within a few kilometers.</p> <ul style="list-style-type: none">► Stop the vehicle immediately in accordance with the traffic conditions and switch off the drive system. Do not continue driving.► Do not tow the vehicle; stop towing if necessary.► Consult a qualified specialist workshop.


Display messages	Possible causes/consequences and ► Solutions
<p>Drive Malfunction Achievable Speed Severely Limited See Operator's Manual</p>	<ul style="list-style-type: none"> * The drive system is malfunctioning. The maximum vehicle speed is restricted. ► Consult a qualified specialist workshop.
<div style="text-align: center;"></div> <p>Reserve Level Charge High-Voltage Battery</p>	<ul style="list-style-type: none"> * The charge level of the high-voltage battery has dropped into the reserve range. ► Charge the high-voltage battery (→ page 213).
<div style="text-align: center;"></div> <p>Malfunction</p>	<ul style="list-style-type: none"> * The drive system is malfunctioning. The output of your vehicle is restricted. ► Consult a qualified specialist workshop.
<div style="text-align: center;"></div> <p>Stop Switch Off Vehicle</p>	<ul style="list-style-type: none"> * 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. ► Do not tow the vehicle; stop towing if necessary. ► Consult a qualified specialist workshop.


Display messages	Possible causes/consequences and ► Solutions
 <p data-bbox="144 339 347 391">Malfunction Service Required</p>	<p data-bbox="469 249 838 273">* The drive system is malfunctioning.</p> <ul data-bbox="495 280 916 308" style="list-style-type: none"><li data-bbox="495 280 916 308">► Consult a qualified specialist workshop.
 <p data-bbox="144 508 380 560">Performance Extremely Limited</p>	<p data-bbox="469 418 1031 442">* A malfunction has occurred in the high-voltage battery.</p> <p data-bbox="495 449 925 473">Output and range will be severely restricted.</p> <ul data-bbox="495 480 1175 545" style="list-style-type: none"><li data-bbox="495 480 851 504">► Switch the vehicle off and lock it.<li data-bbox="495 511 1175 545">► After waiting for a short time, unlock the vehicle and start it again. <p data-bbox="495 570 861 594">If the display message appears again:</p> <ul data-bbox="495 601 1036 667" style="list-style-type: none"><li data-bbox="495 601 704 625">► Drive on carefully.<li data-bbox="495 632 1036 667">► Fully charge the high-voltage battery (→ page 213). <p data-bbox="495 692 1300 715">If the output and range are still reduced, there is a malfunction in the drive system.</p> <ul data-bbox="495 723 916 788" style="list-style-type: none"><li data-bbox="495 723 704 746">► Drive on carefully.<li data-bbox="495 754 916 788">► Consult a qualified specialist workshop.




Display messages	Possible causes/consequences and ► Solutions
<p>High-Voltage Battery Fault No Start in Approx. XXX mi Service Required (yellow display message)</p>	<p>* A malfunction has occurred in the high-voltage battery. It will no longer be possible to start the electric drive system after the distance displayed has been covered.</p> <ul style="list-style-type: none"> ► Have the necessary maintenance work on the high-voltage battery carried out at a qualified specialist workshop.
<p>High-Voltage Battery Fault No Start in Approx. XXX mi Service Required (red display message)</p>	<p>* A malfunction has occurred in the high-voltage battery. It will no longer be possible to start the electric drive system after the distance displayed has been covered.</p> <ul style="list-style-type: none"> ► Have the necessary maintenance work on the high-voltage battery carried out immediately at a qualified specialist workshop.
<p>High-Voltage Battery Fault Do Not Restart Service Required</p>	<p>* A malfunction has occurred in the high-voltage battery. It will no longer be possible to restart the drive system once it has been switched off.</p> <ul style="list-style-type: none"> ► Do not switch off the drive system; drive on to the nearest qualified specialist workshop.



Vehicle



Display messages	Possible causes/consequences and ► Solutions
	<p>* The driver display is inoperative due to a failed software update. The display message will be shown every time the engine is started.</p> <div style="border: 1px solid gray; padding: 5px; margin: 10px 0;"> <p>⚠ WARNING Risk of accident if the driver's display fails</p> <p>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.</p> <p>► Park the vehicle safely as soon as possible and notify a qualified specialist workshop.</p> </div> <p>If the operating safety of your vehicle is impaired, park the vehicle immediately and safely. Contact a qualified specialist workshop.</p> <p>If the driver display fails, you may not recognize e.g. function restrictions affecting systems relevant to safety or the speed display. The operating safety of the vehicle may be impaired (→ page 360).</p> <p>► Have the vehicle checked by a qualified specialist workshop immediately.</p>
<p>Vehicle Ready to Drive Shutdown Occurs When Locked or After a Few Minutes</p>	<p>* You are leaving the vehicle in a ready-to-drive state.</p> <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).

Display messages	Possible causes/consequences and ► Solutions
 <p data-bbox="195 339 371 363">Add Washer Fluid</p>	<p data-bbox="519 249 1360 273">* The washer fluid level in the washer fluid reservoir has dropped below the minimum.</p> <ul style="list-style-type: none"> <li data-bbox="543 280 894 304">► Add washer fluid (→ page 403).
<p data-bbox="195 389 463 436">Windshield Wiper Malfunction</p>	<p data-bbox="519 389 925 413">* The windshield wiper is malfunctioning.</p> <ul style="list-style-type: none"> <li data-bbox="543 420 768 444">► Restart the vehicle. <p data-bbox="543 472 888 496">If the display message still appears:</p> <ul style="list-style-type: none"> <li data-bbox="543 503 962 527">► Consult a qualified specialist workshop.
<p data-bbox="195 550 473 622">Head-up Display Currently Unavailable See Operator's Manual</p>	<p data-bbox="519 550 1166 573">* The head-up display is temporarily unavailable. Possible causes:</p> <ul style="list-style-type: none"> <li data-bbox="543 581 903 605">• Malfunctions in the power supply <li data-bbox="543 612 765 636">• Signal interference <ul style="list-style-type: none"> <li data-bbox="543 653 1415 677">► Stop in accordance with the traffic conditions and switch the vehicle off and on again. <li data-bbox="543 684 1313 708">► If the display message still appears, consult a qualified specialist workshop.
<p data-bbox="195 736 454 788">Head-up Display Inoperative</p>	<p data-bbox="519 736 949 760">* The head-up display has an internal error.</p> <ul style="list-style-type: none"> <li data-bbox="543 767 962 791">► Consult a qualified specialist workshop.





Display messages	Possible causes/consequences and ► Solutions
<p>Head-up Display Brightness Currently Reduced See Operator's Manual</p>	<p>* The brightness of the head-up display is reduced. Possible causes:</p> <ul style="list-style-type: none">• Dirt on the windshield in the camera's field of vision• Faulty exterior brightness signals <p>► Switch on the windshield wiper. ► Clean the windshield if necessary. ► Switch the vehicle off and then back on ► If the display message still appears, consult a qualified specialist workshop.</p>
<p> Steering Malfunction Stop Immediately See Operator's Manual</p>	<p>* The steering is malfunctioning. Steering capability is significantly impaired.</p> <p>⚠ WARNING Risk of accident if steering capability is impaired</p> <p>If the steering does not function as intended, the vehicle's operating safety is jeopardized.</p> <ul style="list-style-type: none">► 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.




Display messages	Possible causes/consequences and ► Solutions
 <p>Steering Malfunction Increased Physical Effort See Operator's Manual</p>	<p>* The power steering assistance is malfunctioning.</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>⚠ WARNING Risk of an accident due to altered steering characteristics</p> <p>If the power assistance of the steering fails partially or completely, you will need to use more force to steer.</p> <ul style="list-style-type: none"> ▶ If safe steering is possible, drive on carefully. ▶ Visit or consult a qualified specialist workshop immediately. </div>
 <p>Steering Malfunction Drive Carefully Service Required</p>	<p>* A power steering malfunction has occurred. Steering characteristics may be impaired as a result.</p> <ul style="list-style-type: none"> ▶ Drive on carefully. ▶ Consult a qualified specialist workshop.
 <p>Rear Axle Steering Currently Malfunctioning</p>	<p>* The rear-axle steering is temporarily unavailable. The turning circle may become wider.</p> <ul style="list-style-type: none"> ▶ Stop the vehicle in accordance with the traffic conditions and restart the vehicle. <p>If the display message does not disappear:</p> <ul style="list-style-type: none"> ▶ Drive on carefully. ▶ Consult a qualified specialist workshop.




Display messages	Possible causes/consequences and ► Solutions
 <p data-bbox="144 339 426 391">Rear Axle Steering Malfunction Service Required</p>	<p data-bbox="473 249 1188 342">* The rear-axle steering is malfunctioning. The rear axle has no steering capability. The steering wheel may be at an angle when you drive in a straight line.</p> <ul style="list-style-type: none"> <li data-bbox="495 353 924 377">► Adapt your speed and drive on carefully. <li data-bbox="495 387 1036 411">► Consult a qualified specialist workshop immediately.
 <p data-bbox="144 521 426 572">Rear Axle Steering Malfunction Stop Immediately</p>	<p data-bbox="473 427 1641 583">* The rear-axle steering is malfunctioning. The rear axle has no steering capability. The steering wheel may be at a significant angle when you drive in a straight line. Depending on the steering wheel's angled position, the steering wheel will also vibrate and a continuous warning tone will sound.</p> <div data-bbox="495 598 1646 780" style="border: 1px solid gray; padding: 5px;"> <p data-bbox="506 609 1132 632">▲ WARNING Risk of accident if steering capability is impaired</p> <p data-bbox="506 648 1387 672">If the steering does not function as intended, the vehicle's operating safety is jeopardized.</p> <ul style="list-style-type: none"> <li data-bbox="506 682 1591 734">► 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. <li data-bbox="506 744 935 768">► Consult a qualified specialist workshop. </div> <ul style="list-style-type: none"> <li data-bbox="495 794 1123 818">► When stopping, bear the greater width of the vehicle in mind.



Display messages	Possible causes/consequences and ► Solutions
Snow Chain Mode Maximum Speed Exceeded	<ul style="list-style-type: none"> * The maximum permissible speed for snow chain mode has been exceeded. <ul style="list-style-type: none"> ► Drive more slowly.
Ambient Lighting Warning Support Inoperative	<ul style="list-style-type: none"> * The ambient lighting may not provide full visual warning support. <ul style="list-style-type: none"> ► Lock the vehicle and unlock it again after a few minutes. ► If the display message appears regularly, contact a qualified specialist workshop.
	<ul style="list-style-type: none"> * The hood is open. <div style="border: 1px solid gray; padding: 5px; margin-top: 10px;"> <p>⚠ WARNING Risk of accident due to driving with the hood unlocked</p> <p>The hood may open and block your view.</p> <ul style="list-style-type: none"> ► Never release the hood when driving. ► Before every trip, ensure that the hood is locked. </div> <ul style="list-style-type: none"> ► Stop the vehicle immediately in accordance with the traffic conditions. ► Do not continue driving. ► Consult a qualified specialist workshop.
	<ul style="list-style-type: none"> * At least one door is open. <ul style="list-style-type: none"> ► Close all doors.

510 Display messages and warning/indicator lamps

Display messages	Possible causes/consequences and ► Solutions
	<ul style="list-style-type: none">* The tailgate is open.<ul style="list-style-type: none">► Close the tailgate.
 <p data-bbox="144 449 408 498">Rear Center Backrest Not Locked</p>	<ul style="list-style-type: none">* The seat backrest of the corresponding seat is not engaged.<ul style="list-style-type: none">► Fold the seat backrest back until it engages.
 <p data-bbox="144 617 380 666">2nd Seat Row, Left Not Locked</p>	<ul style="list-style-type: none">* The left-hand seat or the seat backrest on the second row of seats is not engaged.<ul style="list-style-type: none">► Fold the corresponding seat backrest back until it engages and/or push the row of seats back (→ page 117).► Make sure that the seat is engaged (→ page 117).
 <p data-bbox="144 785 408 833">2nd Seat Row, Center Not Locked</p>	<ul style="list-style-type: none">* The seat backrest of the corresponding seat is not engaged.<ul style="list-style-type: none">► Fold the seat backrest back until it engages.

Display messages	Possible causes/consequences and ► Solutions
 <p data-bbox="194 341 443 393">2nd Seat Row, Right Not Locked</p>	<ul style="list-style-type: none"> * The right-hand seat or the seat backrest on the second row of seats is not engaged. <ul style="list-style-type: none"> ► Fold the corresponding seat backrest back until it engages and/or push the row of seats back (→ page 117). ► Make sure that the seat is engaged (→ page 117).
 <p data-bbox="194 512 425 564">Rear Left Backrest Not Latched (example)</p>	<ul style="list-style-type: none"> * The seat backrest of the corresponding seat is not engaged. <ul style="list-style-type: none"> ► Fold the seat backrest back until it engages.
 <p data-bbox="194 678 462 730">Cannot Fold 2nd Seat Row See Operator's Manual</p>	<ul style="list-style-type: none"> * The seat backrests on the second row of seats cannot be folded forward. <ul style="list-style-type: none"> ► Check the requirements for folding forward the seat backrests on the second row of seats (→ page 117).

Display messages	Possible causes/consequences and ► Solutions
 <p data-bbox="144 339 408 417">Cannot Fold Forward 2nd Seat Row, Left Adjust Front Seat</p>	<p data-bbox="469 249 1243 270">* The left seat backrests on the second row of seats cannot be folded forward.</p> <ul data-bbox="493 280 883 306" style="list-style-type: none"><li data-bbox="493 280 883 306">► Adjust the corresponding front seat.
 <p data-bbox="144 536 408 614">Cannot Fold Forward 2nd Seat Row, Right Adjust Front Seat</p>	<p data-bbox="469 446 1258 467">* The right seat backrests on the second row of seats cannot be folded forward.</p> <ul data-bbox="493 477 883 503" style="list-style-type: none"><li data-bbox="493 477 883 503">► Adjust the corresponding front seat.
 <p data-bbox="144 733 380 780">3rd Seat Row, Left Not Locked</p>	<p data-bbox="469 643 1271 664">* The left-hand seat or the seat backrest on the third row of seats is not engaged.</p> <ul data-bbox="493 674 1600 731" style="list-style-type: none"><li data-bbox="493 674 1600 700">► Fold the corresponding seat backrest back until it engages and/or push the row of seats back (→ page 117).<li data-bbox="493 710 1027 731">► Make sure that the seat is engaged (→ page 117).

Display messages	Possible causes/consequences and ► Solutions
 <p data-bbox="195 342 445 391">3rd Seat Row, Right Not Locked</p>	<ul style="list-style-type: none"> <li data-bbox="522 252 1336 275">* The right-hand seat or the seat backrest on the third row of seats is not engaged. <ul style="list-style-type: none"> <li data-bbox="545 285 1650 311">► Fold the corresponding seat backrest back until it engages and/or push the row of seats back (→ page 117). <li data-bbox="545 322 1073 348">► Make sure that the seat is engaged (→ page 117).
 <p data-bbox="195 510 436 536">Washer Fluid Flap Open</p>	<ul style="list-style-type: none"> <li data-bbox="522 420 879 443">* The washer fluid filler flap is open. <ul style="list-style-type: none"> <li data-bbox="545 453 999 479">► Close washer fluid filler flap (→ page 403).

Transmission

Display messages	Possible causes/consequences and ► Solutions
<p data-bbox="195 687 463 736">Shift to P Only When Vehicle Is Stationary</p>	<ul style="list-style-type: none"> <li data-bbox="522 687 1271 710">* It is possible to select the park position P only if the vehicle is stationary. <ul style="list-style-type: none"> <li data-bbox="545 721 898 746">► Depress the brake pedal to stop. <li data-bbox="545 757 1286 783">► Shift the transmission to park position P when the vehicle is stationary.
<p data-bbox="195 800 426 849">Depress Brake to Shift from P</p>	<ul style="list-style-type: none"> <li data-bbox="522 800 1596 823">* You have attempted to shift the transmission out of park position P and into another transmission position. <ul style="list-style-type: none"> <li data-bbox="545 833 824 859">► Depress the brake pedal.

514 Display messages and warning/indicator lamps





Display messages	Possible causes/consequences and ► Solutions
<p>To Deselect P or N Depress Brake and Start Vehicle</p>	<p>► Select transmission position D, R or neutral N.</p> <p>* You have attempted to shift the transmission out of park position P or neutral N and into another transmission position.</p> <p>► Depress the brake pedal.</p> <p>► Start the vehicle.</p> <p>► Change the transmission position.</p>
<p>Depress Brake to Shift to D or R</p>	<p>* You have attempted to select transmission position D or R.</p> <p>► Depress the brake pedal.</p> <p>► Select transmission position D or R.</p>
<p>Depress Brake to Shift to R</p>	<p>* You have attempted to select transmission position R.</p> <p>► Depress the brake pedal.</p> <p>► Select transmission position R.</p>
<p>Service Required Apply Parking Brake to Park</p>	<p>* A malfunction has occurred in the emergency power supply to park position P.</p> <p>► Consult a qualified specialist workshop.</p> <p>► Until then, always select park position P manually before you switch off the vehicle.</p> <p>► Before leaving the vehicle, apply the electric parking brake.</p>









Display messages	Possible causes/consequences and ► Solutions
<p>Risk of Vehicle Rolling Away Driver's Door Open Position P Not Selected</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.
<p>Risk of Vehicle Rolling Away Apply Parking Brake When Parking</p>	<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 curb if it starts moving.
<p>Risk of Vehicle Rolling Away N Activated Manually No Automatic Change to P</p>	<ul style="list-style-type: none"> * While the vehicle was at a standstill or driving at very low speed, neutral N was engaged with the drive system or the vehicle switched on. <div style="border: 1px solid black; padding: 10px; margin: 10px 0;"> <p>! NOTE Damage to the vehicle due to rolling away</p> <p>When the vehicle is switched off or the driver's door is opened, automatic engagement of park position P is deactivated. The vehicle may roll away.</p> <ul style="list-style-type: none"> ► Be ready to brake. ► Do not leave the vehicle unattended. </div> <ul style="list-style-type: none"> ► Depress the brake pedal until the vehicle comes to a standstill. ► Engage park position P when the vehicle is stationary with the brake pedal depressed.

Display messages	Possible causes/consequences and ► Solutions
<p>N Automatically Activated Please Shift to Transmission Position Again</p>	<ul style="list-style-type: none"> ► To continue driving with the brake pedal depressed, select transmission position D or R. * Neutral N was automatically engaged when the vehicle was rolling or being driven. <ul style="list-style-type: none"> ⓘ When you open the driver's door in neutral N, park position P will be engaged automatically. ► Engage park position P when the vehicle is stationary with the brake pedal depressed. ► To continue driving with the brake pedal depressed, select transmission position D or R.
<p>N is Engaged Shift to Desired Drive Range</p>	<ul style="list-style-type: none"> * The accelerator pedal was depressed while the vehicle was rolling or moving in neutral N. <ul style="list-style-type: none"> ► To accelerate the vehicle, select transmission position D or R.
<p>To shift to N, hold selector lever longer in N position</p>	<ul style="list-style-type: none"> * Selector lever not held for long enough in position N. It will be possible to change from park position P to neutral N only if the selector lever is held in N for an extended period of time. If the selector lever is not held for long enough, park position P will remain engaged. <ul style="list-style-type: none"> ► When changing from park position P to neutral N, hold the selector lever in position N for an extended period of time.
<p>Reversing Not Possible Service Required</p>	<ul style="list-style-type: none"> * The transmission is malfunctioning. It is not possible to select transmission position R. <ul style="list-style-type: none"> ► Consult a qualified specialist workshop.
<p>Transmission Malfunction Stop</p>	<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.

Display messages	Possible causes/consequences and ► Solutions
	<ul style="list-style-type: none"> ► Depress the brake pedal. ► Engage park position P. ► Consult a qualified specialist workshop.
Service Required Do Not Change Transmission Position	<p>* The transmission is malfunctioning. It is no longer possible to change the transmission position.</p> <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 or breakdown service.
Auxiliary Battery Malfunction (white display message)	<p>* There is a malfunction in the auxiliary battery.</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.

Brakes

Display messages	Possible causes/consequences and ► Solutions
<div data-bbox="155 296 310 377" data-label="Image"> </div> <p data-bbox="155 387 255 410">(USA only)</p> <div data-bbox="155 422 310 503" data-label="Image"> </div> <p data-bbox="155 513 284 536">(Canada only)</p> <p data-bbox="144 547 406 594">Parking Brake See Operator's Manual</p>	<p data-bbox="476 294 1289 317">* The yellow  indicator lamp is lit. The electric parking brake is malfunctioning.</p> <p data-bbox="495 327 583 350">To apply:</p> <ul data-bbox="495 360 1086 422" style="list-style-type: none"> <li data-bbox="495 360 916 383">► Switch the vehicle off and then back on <li data-bbox="495 393 1086 422">► Apply the electric parking brake manually (→ page 236). <p data-bbox="495 447 1020 470">If it is not possible to apply the electric parking brake:</p> <ul data-bbox="495 480 1204 542" style="list-style-type: none"> <li data-bbox="495 480 916 503">► Consult a qualified specialist workshop. <li data-bbox="495 513 1204 542">► Where necessary, also secure the parked vehicle against rolling away. <p data-bbox="476 553 1641 605">* The yellow  indicator lamp and the red  (USA only) or  (Canada only) indicator lamp are lit. The electric parking brake is malfunctioning.</p> <p data-bbox="495 615 602 638">To release:</p> <ul data-bbox="495 648 1108 710" style="list-style-type: none"> <li data-bbox="495 648 916 671">► Switch the vehicle off and then back on <li data-bbox="495 681 1108 710">► Release the electric parking brake manually (→ page 236). <p data-bbox="495 721 513 743">or</p> <ul data-bbox="495 754 1149 777" style="list-style-type: none"> <li data-bbox="495 754 1149 777">► Release the electric parking brake automatically (→ page 236). <p data-bbox="495 781 1075 803">If it is still not possible to release the electric parking brake:</p> <ul data-bbox="495 814 1153 837" style="list-style-type: none"> <li data-bbox="495 814 1153 837">► Do not continue driving. Consult a qualified specialist workshop.

Display messages	Possible causes/consequences and ► Solutions
	<p>* The yellow  indicator lamp is lit and the red  (USA only) or  (Canada only) 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> <ul style="list-style-type: none"> ► Release and then apply the electric parking brake manually (→ page 236). <p>To release:</p> <ul style="list-style-type: none"> ► Apply and then release the electric parking brake manually. <p>If the electric parking brake cannot be applied or the red  (USA only) or  (Canada only) indicator lamp continues to flash:</p> <ul style="list-style-type: none"> ► Do not continue driving. Consult a qualified specialist workshop. ► Where necessary, also secure the parked vehicle against rolling away. <p>* The yellow  indicator lamp is lit and the red  indicator lamp (USA only) or  indicator lamp (Canada only) 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.</p> <p>If the state of charge is too low:</p> <ul style="list-style-type: none"> ► Charge the 12 V battery (→ page 424).

Display messages	Possible causes/consequences and ► Solutions
	<p>To apply:</p> <ul style="list-style-type: none">► Apply the electric parking brake manually. <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>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 236). <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.

Display messages	Possible causes/consequences and ► Solutions
<div data-bbox="205 249 362 332" data-label="Image"></div> <div data-bbox="199 339 306 366" data-label="Text"><p>(USA only)</p></div> <div data-bbox="205 377 362 459" data-label="Image"></div> <div data-bbox="199 467 338 494" data-label="Text"><p>(Canada only)</p></div> <div data-bbox="192 501 423 528" data-label="Text"><p>Release Parking Brake</p></div>	<p>* The red PARK indicator lamp (USA only) or (P) indicator lamp (Canada only) is flashing. 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 236). • You are performing emergency braking using the electric parking brake (→ page 237). <p>► Check the conditions for automatic release of the electric parking brake.</p> <p>► Release the electric parking brake manually.</p>
<div data-bbox="205 553 362 636" data-label="Image"></div> <div data-bbox="199 643 306 670" data-label="Text"><p>(USA only)</p></div> <div data-bbox="205 680 362 763" data-label="Image"></div> <div data-bbox="199 770 338 797" data-label="Text"><p>(Canada only)</p></div> <div data-bbox="192 804 462 857" data-label="Text"><p>Switch on Vehicle to Release the Parking Brake</p></div>	<p>* The red PARK (USA only) or (P) (Canada only) indicator lamp is lit. You have attempted to release the electric parking brake with the vehicle switched off.</p> <p>► Switch on the vehicle.</p>


Display messages	Possible causes/consequences and ► Solutions
<div data-bbox="155 252 312 332" data-label="Image"> </div> <p data-bbox="144 342 247 366">(USA only)</p> <div data-bbox="155 379 312 458" data-label="Image"> </div> <p data-bbox="144 469 279 493">(Canada only)</p> <p data-bbox="144 503 334 527">Brake Immediately</p>	<p data-bbox="473 249 1153 273">* A malfunction has occurred while the HOLD function was activated.</p> <p data-bbox="493 283 911 307">A horn may also sound at regular intervals.</p> <p data-bbox="493 318 848 341">You cannot start the vehicle system.</p> <ul data-bbox="493 352 1319 404" style="list-style-type: none"> <li data-bbox="493 352 1319 376">► Immediately depress the brake pedal firmly until the display message disappears. <li data-bbox="493 376 942 404">► You cannot start the vehicle system again.
<div data-bbox="155 556 312 636" data-label="Image"> </div> <p data-bbox="144 646 247 670">(USA only)</p> <div data-bbox="155 682 312 762" data-label="Image"> </div> <p data-bbox="144 772 279 796">(Canada only)</p> <p data-bbox="144 807 384 855">Malfunction See Operator's Manual</p>	<p data-bbox="473 556 942 580">* The brake force boosting function is impaired.</p> <p data-bbox="493 590 851 614">The hill start assist may be impaired.</p> <div data-bbox="493 624 1646 781" style="border: 1px solid gray; padding: 5px;"> <p data-bbox="506 635 1188 663">▲ WARNING Risk of an accident due to a brake system malfunction</p> <p data-bbox="506 673 1276 701">If the brake system is malfunctioning, braking characteristics may be impaired.</p> <ul data-bbox="506 711 1315 770" style="list-style-type: none"> <li data-bbox="506 711 722 735">► Drive on carefully. <li data-bbox="506 745 1315 770">► Have the brake system checked immediately at a qualified specialist workshop. </div>



Display messages	Possible causes/consequences and ► Solutions
<div data-bbox="205 252 362 332" data-label="Image"> </div> <div data-bbox="194 339 301 366" data-label="Text"> <p>(USA only)</p> </div> <div data-bbox="205 377 362 456" data-label="Image"> </div> <div data-bbox="194 467 332 494" data-label="Text"> <p>(Canada only)</p> </div> <div data-bbox="194 501 369 528" data-label="Text"> <p>Malfunction Stop</p> </div>	<p>* The brake force boosting function is impaired and the braking characteristics may be affected.</p> <div data-bbox="550 291 1696 329" data-label="Text"> <p>▲ WARNING Risk of accident and injury if brake force boosting is malfunctioning</p> </div> <div data-bbox="561 337 1659 391" data-label="Text"> <p>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.</p> </div> <div data-bbox="561 397 1184 459" data-label="List-Group"> <ul style="list-style-type: none"> ▶ Stop in a safe location immediately. Do not continue driving. ▶ Consult a qualified specialist workshop. </div>
<div data-bbox="205 556 362 636" data-label="Image"> </div> <div data-bbox="194 643 301 670" data-label="Text"> <p>(USA only)</p> </div> <div data-bbox="205 680 362 760" data-label="Image"> </div> <div data-bbox="194 770 332 797" data-label="Text"> <p>(Canada only)</p> </div> <div data-bbox="194 804 437 831" data-label="Text"> <p>Check Brake Fluid Level</p> </div>	<p>* There is insufficient brake fluid in the brake fluid reservoir.</p> <div data-bbox="550 594 1696 632" data-label="Text"> <p>▲ WARNING Risk of an accident due to low brake fluid level</p> </div> <div data-bbox="561 641 1535 668" data-label="Text"> <p>If the brake fluid level is too low, the braking effect and the braking characteristics may be impaired.</p> </div> <div data-bbox="561 674 1641 798" data-label="List-Group"> <ul style="list-style-type: none"> ▶ 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. ▶ Do not add brake fluid. </div>


524 Display messages and warning/indicator lamps

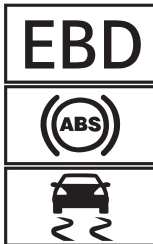

Display messages	Possible causes/consequences and ► Solutions
Check Brake Pads See Operator's Manual	<ul style="list-style-type: none">* The brakepads have reached the wear limit.<ul style="list-style-type: none">► Consult a qualified specialist workshop.




Driving and driving safety systems


Display messages	Possible causes/consequences and ► Solutions
 <p>Currently Unavailable See Operator's Manual</p>	<ul style="list-style-type: none">* 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. <div style="border: 1px solid gray; padding: 5px;"><p>⚠ WARNING Risk of skidding if ABS and ESP® are malfunctioning</p><p>The wheels may lock 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.</p><ul style="list-style-type: none">► Drive carefully on a suitable stretch of road, making slight steering movements at a speed above 19 mph (30 km/h).► If the display message does not disappear, consult a qualified specialist workshop immediately. Drive carefully.</div>



Display messages	Possible causes/consequences and ► Solutions
 <p data-bbox="195 427 467 474">Inoperative See Operator's Manual</p>	<p data-bbox="526 249 1692 346">* 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.</p> <div data-bbox="550 363 1692 581" style="border: 1px solid black; padding: 5px;"> <p data-bbox="559 370 1217 401">▲ WARNING Risk of skidding if ABS and ESP[®] are malfunctioning</p> <p data-bbox="559 415 1650 501">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.</p> <ul style="list-style-type: none"> <li data-bbox="559 511 774 536">► Drive on carefully. <li data-bbox="559 547 1341 571">► Have ABS and ESP[®] checked immediately at a qualified specialist workshop. </div>
 <p data-bbox="195 692 458 738">Currently Unavailable See Operator's Manual</p>	<p data-bbox="526 601 1400 660">* ESP[®] is temporarily unavailable. Other driving systems and driving safety systems (e.g. BAS) may also be malfunctioning.</p> <div data-bbox="550 678 1692 850" style="border: 1px solid black; padding: 5px;"> <p data-bbox="559 685 1110 716">▲ WARNING Risk of skidding if ESP is malfunctioning[®]</p> <p data-bbox="559 730 1670 781">If ESP[®] is malfunctioning, ESP[®] cannot carry out vehicle stabilization. In addition, other driving safety systems are switched off.</p> <ul style="list-style-type: none"> <li data-bbox="559 791 1615 842">► Drive carefully on a suitable stretch of road, making slight steering movements at a speed above 19 mph (30 km/h). </div>





Display messages	Possible causes/consequences and ► Solutions
	<p>► If the display message does not disappear, consult a qualified specialist workshop immediately. Drive carefully.</p>
 <p>Inoperative See Operator's Manual</p>	<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> <p>⚠ WARNING Risk of skidding if ESP® is malfunctioning</p> <p>If ESP® is malfunctioning, ESP® cannot carry out vehicle stabilization. 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.





Display messages	Possible causes/consequences and ► Solutions
 <p data-bbox="194 512 471 564">Inoperative See Operator's Manual</p>	<p data-bbox="526 248 1404 310">* EBD, ABS and ESP® are malfunctioning. Other driving systems and driving safety systems (e.g. BAS) may also be malfunctioning.</p> <div data-bbox="545 326 1690 549" style="border: 1px solid gray; padding: 5px;"> <p data-bbox="554 336 1275 367">▲ WARNING Risk of skidding if EBD, ABS and ESP® are malfunctioning</p> <p data-bbox="563 378 1441 409">The wheels may block during braking and ESP® does not perform any vehicle stabilization.</p> <p data-bbox="563 414 1653 466">The steerability and braking characteristics are heavily impaired and the braking distance may increase. In addition, other driving safety systems are switched off.</p> <ul style="list-style-type: none"> <li data-bbox="563 471 776 502">► Drive on carefully. <li data-bbox="563 507 1367 538">► Have the brake system checked immediately at a qualified specialist workshop. </div>
 <p data-bbox="194 678 231 704">Off</p>	<p data-bbox="526 585 1589 616">* The HOLD function is deactivated because the vehicle is slipping or a condition for activation is not fulfilled.</p> <ul style="list-style-type: none"> <li data-bbox="545 621 1626 652">► Reactivate the HOLD function later or check the activation conditions for the HOLD function (→ page 244).
<p data-bbox="194 730 471 782">Restricted Mode Activated Drive Power Reduced</p>	<ul style="list-style-type: none"> <li data-bbox="526 730 1339 761">* Valet Service Mode is activated. Vehicle acceleration is restricted (→ page 245). <li data-bbox="526 766 1358 792">* Beginner Driver Mode is activated. Vehicle acceleration is restricted (→ page 246).

Display messages	Possible causes/consequences and ► Solutions
 <p data-bbox="144 339 421 391">ATTENTION ASSIST: Take a Break!</p>	<ul style="list-style-type: none"> * ATTENTION ASSIST has detected fatigue or an increasing lack of concentration on the part of the driver (→ page 247). <ul style="list-style-type: none"> ► If necessary, take a break.
 <p data-bbox="144 508 399 560">ATTENTION ASSIST Nodding Off Take a Break!</p>	<ul style="list-style-type: none"> * ATTENTION ASSIST has detected indicators of microsleep (→ page 247). A warning tone also sounds. <ul style="list-style-type: none"> ► Take a break immediately. ► Press the left-hand Touch Control and acknowledge the display message.
 <p data-bbox="144 677 232 702">--- mph</p>	<ul style="list-style-type: none"> * Cruise control cannot be activated because not all activation conditions are fulfilled. <ul style="list-style-type: none"> ► Observe the activation conditions for cruise control (→ page 249).
<p data-bbox="144 729 412 754">Cruise Control Inoperative</p>	<ul style="list-style-type: none"> * Cruise control is malfunctioning. <ul style="list-style-type: none"> ► Consult a qualified specialist workshop.
<p data-bbox="144 801 328 826">Cruise Control Off</p>	<ul style="list-style-type: none"> * Cruise control has been deactivated. If there is an additional warning tone, cruise control has been deactivated automatically (→ page 249).




Display messages	Possible causes/consequences and ► Solutions
<p>Traffic Sign Assist Currently Unavailable See Operator's Manual</p>	<p>* Traffic Sign Assist is temporarily unavailable. Once the cause of the problem is no longer present, the system will be available again.</p> <ul style="list-style-type: none"> ► Continue driving in compliance with the traffic regulations.
<p>Traffic Sign Assist Inoperative</p>	<p>* Traffic Sign Assist is malfunctioning.</p> <ul style="list-style-type: none"> ► Continue driving in compliance with the traffic regulations. <p>or</p> <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.
<div data-bbox="205 529 362 612" style="border: 1px solid black; padding: 5px; text-align: center;">  </div> <p>Malfunction Do Not Exceed 50 mph</p>	<p>* AIRMATIC is functioning only to a limited extent. The vehicle's handling characteristics may be affected.</p> <div data-bbox="547 572 1696 717" style="border: 1px solid gray; padding: 5px;"> <p>NOTE The tires on the front axle or the fenders could be damaged by large steering movements</p> <ul style="list-style-type: none"> ► Avoid large steering movements while driving and listen for scraping sounds. ► If you hear scraping sounds, pull over and stop the vehicle in accordance with the traffic conditions, and set a higher vehicle level if possible. </div> <ul style="list-style-type: none"> ► Drive in a manner appropriate for the current level, but do not exceed 50 mph (80 km/h). ► Consult a qualified specialist workshop.

Display messages	Possible causes/consequences and ► Solutions
 <p data-bbox="144 342 384 389">STOP Vehicle Level Too Low</p>	<p data-bbox="476 249 1082 273">* You have pulled away despite the vehicle level being too low.</p> <ul style="list-style-type: none"> <li data-bbox="495 283 1092 332">► Stop the vehicle in accordance with the traffic conditions. The vehicle will be raised to the selected vehicle level. <li data-bbox="495 342 1134 366">► Wait until the display message disappears before pulling away. <p data-bbox="495 397 1504 421">If the display message does not disappear and a warning tone also sounds, AIRMATIC is malfunctioning:</p> <ul style="list-style-type: none"> <li data-bbox="495 432 1615 455">► Do not drive at speeds greater than 50 mph (80 km/h) and consult a qualified specialist workshop immediately. <div data-bbox="500 480 1646 625" style="border: 1px solid black; padding: 5px;"> <p data-bbox="506 491 1480 514">! NOTE The tires on the front axle or the fenders could be damaged by large steering movements</p> <ul style="list-style-type: none"> <li data-bbox="506 532 1289 556">► Avoid large steering movements while driving and listen for scraping sounds. <li data-bbox="506 566 1615 615">► If you hear scraping sounds, pull over and stop the vehicle in accordance with the traffic conditions, and set a higher vehicle level if possible. </div> <ul style="list-style-type: none"> <li data-bbox="495 646 1082 695">► Set a higher vehicle level (→ page 287). Depending on the malfunction, the vehicle will be raised.
 <p data-bbox="144 809 242 832">Lowering</p>	<p data-bbox="476 715 1003 739">* The vehicle level will lower for the following reasons:</p> <ul style="list-style-type: none"> <li data-bbox="500 750 959 773">• You have selected a different drive program. <li data-bbox="500 784 874 808">• You have exceeded the speed limit. <li data-bbox="500 818 1097 842">• You have changed the vehicle level by pressing the button.

Display messages	Possible causes/consequences and ► Solutions
 <p>Rising</p>	<ul style="list-style-type: none"> • Operation with a trailer or bicycle rack: if an electrical connection has been correctly made, you have exceeded the speed limit. <p>* Your vehicle is adjusting to the level you have selected.</p>
 <p>Vehicle Rising Please Wait</p>	<p>* The vehicle level is too low. The vehicle will be raised to the selected vehicle level.</p> <ul style="list-style-type: none"> ► Wait until the display message disappears before pulling away.
 <p>Do Not Exceed 12mph</p>	<p>* AIRMATIC is functioning only to a limited extent. The current level is too high. The vehicle's handling characteristics may be affected.</p> <ul style="list-style-type: none"> ► Do not drive at speeds greater than 12 mph (20 km/h). ► Consult a qualified specialist workshop.
 <p>Slow Down</p>	<p>* You are driving too fast for the selected vehicle level.</p> <ul style="list-style-type: none"> ► Drive more slowly and then select the desired vehicle level again. <p>You are driving too quickly with a trailer or the trailer hitch socket is being used, e.g. for a rear bicycle rack.</p>


Display messages	Possible causes/consequences and ► Solutions
 <p>Compressor Is Cooling</p>	<ul style="list-style-type: none"> ► Observe the notes on trailer operation (→ page 322). * Due to frequent level changes within a short space of time, the compressor first needs to cool down in order to set the selected vehicle level. <ul style="list-style-type: none"> ► Drive on in a manner appropriate for the current level. Make sure that there is sufficient ground clearance. When the compressor has cooled down, the vehicle will continue rising to the selected vehicle level.
 <p>Not in Curr. Drive Prog.</p>	<ul style="list-style-type: none"> * DSR is not available in the currently selected drive program. <ul style="list-style-type: none"> ► Change the drive program.
 <p>Inoperative</p>	<ul style="list-style-type: none"> * DSR is malfunctioning. <ul style="list-style-type: none"> ► Consult a qualified specialist workshop.
 <p>Do Not Exceed 25 mph</p>	<ul style="list-style-type: none"> * The maximum speed of 25 mph (40 kmh) for DSR has been exceeded. <ul style="list-style-type: none"> ► Drive more slowly.


Driver assistance systems

Display messages	Possible causes/consequences and ► Solutions
 <p>--- mph</p>	<ul style="list-style-type: none"> * Active Distance Assist DISTRONIC cannot be activated because not all activation conditions are fulfilled. <ul style="list-style-type: none"> ► Comply with the activation conditions of Active Distance Assist DISTRONIC (→ page 253).
 <p>Suspended</p>	<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 251).
 <p>Off</p>	<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 253).
<p>Active Distance Assist Currently Unavailable See Operator's Manual</p>	<ul style="list-style-type: none"> * Active Distance Assist DISTRONIC is temporarily unavailable. The ambient conditions are outside the system limits (→ page 251). As soon as the ambient conditions are within the system limits, the system will become available again. <ul style="list-style-type: none"> ► Drive on carefully. or

Display messages	Possible causes/consequences and ► Solutions
	<p>► If the display message does not disappear, stop the vehicle in accordance with the traffic conditions and restart the vehicle.</p>
<p>Active Distance Assist Inoperative</p>	<p>* Active Distance Assist DISTRONIC is malfunctioning. Other driving systems and driving safety systems may also be malfunctioning.</p> <p>► Drive on carefully. 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>
<p>Active Distance Assist Now Available</p>	<p>* Active Distance Assist DISTRONIC is operational again.</p> <p>► Switch on Active Distance Assist DISTRONIC (→ page 253).</p>
<p>Active Brake Assist Functions Currently Limited See Operator's Manual</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 with cross-traffic function • Evasive Steering Assist • PRE-SAFE® PLUS <p>Vehicles with Blind Spot Assist: PRE-SAFE® PLUS is temporarily unavailable. The ambient conditions are outside the system limits (→ page 269).</p> <p>Vehicles without the Driving Assistance Package: Active Brake Assist is temporarily unavailable.</p>

Display messages	Possible causes/consequences and ► Solutions
	<p>► Drive on carefully. As soon as the ambient conditions are within the system limits, the system will become available again.</p> <p>or</p> <p>► If the display message does not disappear, stop the vehicle in accordance with the traffic conditions and restart the vehicle.</p>
<p>Active Brake Assist Functions Limited See Operator's Manual</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 with cross-traffic function • Evasive Steering Assist • PRE-SAFE® PLUS <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.</p> <p>► If the display message does not disappear: consult a qualified specialist workshop.</p>
<p>Active Steering Assist Currently Unavailable See Operator's Manual</p>	<p>* Active Steering Assist is temporarily unavailable.</p> <p>The ambient conditions are outside the system limits (→ page 260).</p> <p>As soon as the ambient conditions are within the system limits, the system will become available again.</p>

Display messages	Possible causes/consequences and ► Solutions
	<ul style="list-style-type: none"> ► Drive on ► Check the tire pressure if necessary.
Active Steering Assist Inoperative	<p>* Active Steering Assist is malfunctioning. Active Distance Assist DISTRONIC remains available.</p> <ul style="list-style-type: none"> ► Drive on <p>or</p> <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.
	<p>* Active Steering Assist has reached the system limits (→ page 260). You have not steered independently for a considerable period of time.</p> <ul style="list-style-type: none"> ► Take over the steering and drive on in accordance with the traffic conditions.
Active Steering Assist Currently Unavailable Due to Multiple Emergency Stops	<p>* Active Steering Assist is temporarily unavailable due to multiple emergency stops.</p> <ul style="list-style-type: none"> ► 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.

Display messages	Possible causes/consequences and ► Solutions
 <p data-bbox="194 341 462 367">Initiating Emergency Stop</p>	<ul style="list-style-type: none"> <li data-bbox="526 248 1626 274">* Your hands are not on the steering wheel. Active Steering Assist will initiate an emergency stop (→ page 260). <ul style="list-style-type: none"> <li data-bbox="545 284 951 310">► Put your hands on the steering wheel. <p data-bbox="545 326 1136 352">Information on canceling an emergency stop (→ page 263).</p>
<p data-bbox="194 388 471 466">Active Emergency Stop Assist Currently Unavailable See Operator's Manual</p>	<ul style="list-style-type: none"> <li data-bbox="526 388 1210 450">* Active Emergency Stop Assist is temporarily unavailable. The ambient conditions are outside the system limits (→ page 263). As soon as the ambient conditions are within the system limits, the system will become available again. <ul style="list-style-type: none"> <li data-bbox="545 492 665 518">► Drive on <li data-bbox="545 528 572 554">or <li data-bbox="545 564 1672 616">► If the display message does not disappear, stop the vehicle in accordance with the traffic conditions and restart the vehicle. <li data-bbox="526 626 1700 678">* Vehicles without the Driving Assistance Package: Active Emergency Stop Assist is temporarily unavailable due to multiple emergency stops. <ul style="list-style-type: none"> <li data-bbox="545 683 1293 709">► Take over the steering and stop in accordance with the traffic conditions. <li data-bbox="545 720 1145 771">► Switch the vehicle off and then back on Active Emergency Stop Assist will be available once more.
<p data-bbox="194 787 434 839">Active Emergency Stop Assist Inoperative</p>	<ul style="list-style-type: none"> <li data-bbox="526 787 1016 813">* Active Emergency Stop Assist is malfunctioning. <ul style="list-style-type: none"> <li data-bbox="545 823 665 849">► Drive on <li data-bbox="545 859 572 885">or

Display messages	Possible causes/consequences and ► Solutions
<p>Active Lane Change Assist Currently Unavailable See Operator's Manual</p>	<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. <p>* Active Lane Change Assist is temporarily unavailable. The ambient conditions are outside the system limits (→ page 265). 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 or ► If the display message does not disappear, stop the vehicle in accordance with the traffic conditions and restart the vehicle.
<p>Active Lane Change Assist Inoperative</p>	<p>* Active Lane Change Assist is malfunctioning.</p> <ul style="list-style-type: none"> ► 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.
<p>Automatic Lane Change Currently Unavailable See Operator's Manual</p>	<p>* Active Lane Change Assist is temporarily unavailable. The ambient conditions are outside the system limits (→ page 265). 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

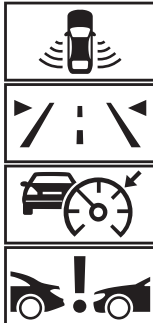
Display messages	Possible causes/consequences and ► Solutions
	<p>or</p> <p>► If the display message does not disappear, stop the vehicle in accordance with the traffic conditions and restart the vehicle.</p>
Automatic Lane Change Inoperative	<p>* Active Lane Change Assist is malfunctioning.</p> <p>► Drive on</p> <p>or</p> <p>► Stop the vehicle in accordance with the traffic conditions and restart the vehicle.</p> <p>► If the display message does not disappear: consult a qualified specialist workshop.</p>
Active Stop & Go Assist Currently Unavailable See Operator's Manual	<p>* Active Stop-and-Go Assist is temporarily unavailable. Active Distance Assist DISTRONIC and Active Steering Assist are still available.</p> <p>The ambient conditions are outside the system limits (→ page 251).</p> <p>As soon as the ambient conditions are within the system limits, the system will become available again.</p> <p>► Drive on</p>
Active Stop & Go Assist Inoperative See Operator's Manual	<p>* Active Stop-and-Go Assist is malfunctioning.</p> <p>Active Stop-and-Go Assist has been deactivated. Active Distance Assist DISTRONIC and Active Steering Assist are still available.</p> <p>► Drive on</p> <p>or</p> <p>► Stop the vehicle in accordance with the traffic conditions and restart the vehicle.</p>




Display messages	Possible causes/consequences and ► Solutions
Blind Spot Assist Currently Unavailable See Operator's Manual	<ul style="list-style-type: none">► If the display message does not disappear: consult a qualified specialist workshop. <p>* Blind Spot Assist is temporarily unavailable. The system limits have been reached (→ page 279). 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 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.
Blind Spot Assist Not Available When Towing Trailer See Operator's Manual	<p>* When you establish the electrical connection to the trailer, Blind Spot Assist will be unavailable.</p> <ul style="list-style-type: none">► Press the left-hand Touch Control and acknowledge the display message.


Display messages	Possible causes/consequences and ► Solutions
<p>Active Blind Spot Assist Currently Unavailable See Operator's Manual</p>	<p>* Active Blind Spot Assist is temporarily unavailable. The system limits have been reached (→ page 279). Once the cause of the problem is no longer present, the system will be available again.</p> <ul style="list-style-type: none"> ► 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 Blind Spot Assist Inoperative</p>	<p>* Active Blind Spot Assist or the exit warning is malfunctioning.</p> <ul style="list-style-type: none"> ► 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.
<p>Active Blind Spot Assist Not Available When Towing Trailer See Operator's Manual</p>	<p>* When you establish the electrical connection to the trailer, Active Blind Spot Assist will be unavailable.</p> <ul style="list-style-type: none"> ► Press the left-hand Touch Control and acknowledge the display message.
<p>Active Lane Keeping Assist Currently Unavailable See Operator's Manual</p>	<p>* Active Lane Keeping Assist is temporarily unavailable. The ambient conditions are outside the system limits (→ page 283). As soon as the ambient conditions are within the system limits, the system will become available again.</p>

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Display messages	Possible causes/consequences and ► Solutions
	<ul style="list-style-type: none"> ► Drive on
<p>Active Lane Keeping Assist Inoperative</p>	<ul style="list-style-type: none"> * Active Lane Keeping Assist is malfunctioning. <ul style="list-style-type: none"> ► 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.
<p>Active Lane Keeping Assist Limited Range of Functions See Operator's Manual</p>	<ul style="list-style-type: none"> * Active Lane Keeping Assist is available but restricted. <ul style="list-style-type: none"> ► 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.
<div data-bbox="155 629 312 712" data-label="Image"> </div> <p>Initiating Emergency Stop</p>	<ul style="list-style-type: none"> * Your hands are not on the steering wheel. The Active Lane Keeping Assist will initiate an emergency stop (→ page 283). <ul style="list-style-type: none"> ► Put your hands on the steering wheel. <p>Information on canceling an emergency stop (→ page 263).</p>

Display messages	Possible causes/consequences and ► Solutions
 <p data-bbox="194 595 443 647">Temporarily Unavailable Sensors Dirty</p>	<p data-bbox="526 248 1413 274">* Front and corner radar sensors (hereafter "sensors") are malfunctioning. Possible causes:</p> <ul data-bbox="545 284 1201 378" style="list-style-type: none"> • The sensors are dirty • Heavy rain or snow • Extended country driving without other traffic, e.g. in the desert <p data-bbox="545 398 1690 450">Driving systems and driving safety systems may be malfunctioning or temporarily unavailable. The brake system, steering and drive system will continue to function normally.</p> <p data-bbox="545 455 757 481">► Drive on carefully.</p> <p data-bbox="545 507 1690 559">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.</p> <p data-bbox="545 569 960 595">If the display message does not disappear:</p> <ul data-bbox="545 606 1145 699" style="list-style-type: none"> ► Stop the vehicle in accordance with the traffic conditions. ► Clean all sensor covers from the outside (→ page 239). ► Restart the vehicle.

Display messages	Possible causes/consequences and ► Solutions
 <p data-bbox="144 767 421 816">Camera View Reduced See Operator's Manual</p>	<p data-bbox="476 249 1151 272">* The view of the multifunction camera is restricted. Possible causes:</p> <ul data-bbox="500 285 1628 405" style="list-style-type: none"> <li data-bbox="500 285 1215 308">• Dirt on the windshield in the field of vision of the multifunction camera <li data-bbox="500 319 759 341">• Heavy rain, snow or fog <li data-bbox="500 352 1628 405">• Mist on the inside or outside of the windshield: in certain weather conditions, mist can form on the inside or outside of the windshield during cold times of year in particular. <p data-bbox="495 420 1628 474">  This mist on the windshield will be removed automatically within a short time with the aid of a heater. The restriction is temporary. </p> <p data-bbox="495 484 1646 536">Driving systems and driving safety systems may be malfunctioning or temporarily unavailable. The brake system, steering and drive system will continue to function normally.</p> <ul data-bbox="495 547 1142 643" style="list-style-type: none"> <li data-bbox="495 547 704 569">► Drive on carefully. <li data-bbox="495 580 1110 602">► To remove mist from the outside, wipe once (→ page 166). <li data-bbox="495 613 1142 643">► To remove the mist from the inside, press  (→ page 181). <p data-bbox="495 669 1646 721">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.</p> <p data-bbox="495 731 1350 754">If the display message does not disappear even after a driving time of about 15 minutes:</p> <ul data-bbox="495 764 1406 855" style="list-style-type: none"> <li data-bbox="495 764 1092 787">► Stop the vehicle in accordance with the traffic conditions. <li data-bbox="495 797 1406 820">► Clean the windshield, especially in the position of the multifunction camera (→ page 239). <li data-bbox="495 830 704 853">► Restart the vehicle.

Display messages	Possible causes/consequences and ► Solutions
 <p data-bbox="194 512 443 564">Functions Limited When Towing Trailer</p>	<p data-bbox="526 248 1506 274">* When the trailer socket is occupied, some driving systems will be available only to a limited extent.</p> <ul style="list-style-type: none"> <li data-bbox="545 279 1302 305">► Drive carefully if you are towing a trailer or have the bicycle rack mounted.
<p data-bbox="194 585 471 688">The camera view of the driver is currently obstructed. Affected functions: See operator's manual</p>	<p data-bbox="526 585 1118 611">* The view of the driver camera is reduced. Possible causes:</p> <ul style="list-style-type: none"> <li data-bbox="554 621 1284 647">• Objects or stickers are projecting into the driver camera's field of vision. <li data-bbox="554 657 840 683">• The driver camera is dirty. <ul style="list-style-type: none"> <li data-bbox="545 699 1007 725">► Keep the driver camera's field of vision free. <li data-bbox="545 735 1690 787">► Clean the driver camera if necessary. Please comply with the notes on caring for the interior relating to the display (→ page 411).

Display messages	Possible causes/consequences and ► Solutions
<p>Change the steering wheel/ seat position until 6 dots are visible on the upper edge of the screen.</p>	<ul style="list-style-type: none"> * The driver camera cannot capture your line of sight. <ul style="list-style-type: none"> ► Change the steering wheel and seat position until six dots are visible at the top edge of the screen. The display message will appear again if the driver camera is again unable to detect your line of sight after 30 minutes. The display message will no longer appear if you acknowledge the display message and the driver camera cannot detect your line of sight during the entire journey.
<p>Driver Camera Inoperative See Operator's Manual</p>	<ul style="list-style-type: none"> * The driver camera is malfunctioning. <ul style="list-style-type: none"> ► Consult a qualified specialist workshop.
<p>PRE-SAFE Inoperative See Operator's Manual</p>	<ul style="list-style-type: none"> * The PRE-SAFE® functions are malfunctioning. <ul style="list-style-type: none"> ► Consult a qualified specialist workshop.
<p>PRE-SAFE Pulse Side Inoperative See Operator's Manual</p>	<ul style="list-style-type: none"> * The PRE-SAFE® Impulse Side system is malfunctioning or inoperative after having already been triggered. <ul style="list-style-type: none"> ► Consult a qualified specialist workshop.
<p>PRE-SAFE PLUS Inoperative See Operator's Manual</p>	<ul style="list-style-type: none"> * The PRE-SAFE® PLUS system is malfunctioning. <ul style="list-style-type: none"> ► 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.


Parking assistance systems

Display messages	Possible causes/consequences and ► Solutions
<p>PARKTRONIC Inoperative See Operator's Manual</p>	<ul style="list-style-type: none"> * Parking Assist PARKTRONIC is malfunctioning. Once the cause of the problem is no longer present, the system will be available again. <ul style="list-style-type: none"> ► 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>PARKTRONIC and Maneuvering Assistance Unavailable at Rear When Towing Trailer</p>	<ul style="list-style-type: none"> * If transport equipment, e.g. a trailer or bicycle rack, is attached to the trailer hitch and the electrical connection is correctly established, Parking Assist PARKTRONIC will be not available at the rear when you are backing up. The rear maneuvering assistant will also be unavailable in this situation. <ul style="list-style-type: none"> ► Press the left-hand Touch Control and acknowledge the display message.
<p>Active Parking Assist and PARKTRONIC Inoperative See Operator's Manual</p>	<ul style="list-style-type: none"> * 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. <ul style="list-style-type: none"> ► 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.



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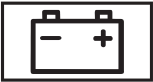
Display messages	Possible causes/consequences and ► Solutions
Active Parking Assist Limited Availability of Maneuvering Assistance See Operator's Manual	<ul style="list-style-type: none">* Active Parking Assist's maneuvering assistant is temporarily unavailable or only partially available.<ul style="list-style-type: none">► Clean all sensors of the parking and camera system (→ page 409).► If the display message still appears, consult a qualified specialist workshop.

Mercedes-Benz emergency call system

Display messages	Possible causes/consequences and ► Solutions
 Inoperative	<ul style="list-style-type: none">* The Mercedes-Benz emergency call system is malfunctioning. The Mercedes me connect system is also malfunctioning.<ul style="list-style-type: none">► Consult a qualified specialist workshop.



Battery


Display messages	Possible causes/consequences and ► Solutions
 <p data-bbox="194 383 452 440">12 V On-board Electrical System Service Required</p>	<p data-bbox="517 290 1081 315">* The 12 V on-board electrical system is malfunctioning.</p> <ul style="list-style-type: none"> <li data-bbox="545 321 1090 352">► Consult a qualified specialist workshop immediately.
 <p data-bbox="194 549 443 606">Stop Vehicle See Operator's Manual</p>	<p data-bbox="517 461 1312 486">* The 12 V battery is no longer being charged and the state of charge is too low.</p> <div data-bbox="545 502 1690 621" style="border: 1px solid gray; padding: 5px;"> <p data-bbox="554 507 1247 538">! NOTE Possible damage to the drive system if you continue driving</p> <ul style="list-style-type: none"> <li data-bbox="563 549 840 580">► Do not continue driving. <li data-bbox="563 585 988 616">► Consult a qualified specialist workshop. </div> <ul style="list-style-type: none"> <li data-bbox="545 637 1506 668">► Stop the vehicle immediately in accordance with the traffic conditions. Do not continue driving. <li data-bbox="545 673 803 704">► Switch off the vehicle. <li data-bbox="545 709 970 740">► Consult a qualified specialist workshop.



Display messages	Possible causes/consequences and ► Solutions
 <p data-bbox="144 342 384 394">Switch on vehicle to charge the 12 V battery</p>	<p data-bbox="469 249 1184 273">* The vehicle is off and the state of charge of the 12 V battery is too low.</p> <ul style="list-style-type: none"> <li data-bbox="495 283 1049 307">► Switch off electrical consumers that are not required. <li data-bbox="495 311 741 335">► Drive for 30-60 mins. <p data-bbox="495 346 519 369">or</p> <ul style="list-style-type: none"> <li data-bbox="495 380 1068 404">► Charge the vehicle at a charging station (→ page 213).
 <p data-bbox="144 515 421 588">Stop Vehicle To Charge the 12 V Battery Do Not Switch Off Vehicle</p>	<p data-bbox="469 422 975 446">* The state of charge of the 12 V battery is too low.</p> <ul style="list-style-type: none"> <li data-bbox="495 456 1456 480">► Stop the vehicle immediately in accordance with the traffic conditions. Do not continue driving. <li data-bbox="495 491 778 514">► Leave the vehicle running <li data-bbox="495 525 957 549">► If the display message disappears: drive on. <li data-bbox="495 559 1332 583">► If the display message does not disappear: consult a qualified specialist workshop.

Tire pressure monitor


Display messages	Possible causes/consequences and ► Solutions
<p data-bbox="144 743 413 795">Tire Pressure Monitor Currently Unavailable</p>	<p data-bbox="469 743 1604 795">* There is interference from a powerful radio signal source As a result, no signals from the tire pressure sensors are being received. The tire pressure monitoring system is temporarily unavailable.</p> <p data-bbox="495 806 1485 829">The tire pressure monitoring system will restart automatically as soon as the cause has been rectified.</p> <ul style="list-style-type: none"> <li data-bbox="495 840 611 864">► Drive on

Display messages	Possible causes/consequences and ► Solutions
<p>Tire Pressure Monitor Inoperative</p>	<ul style="list-style-type: none"> * The tire pressure monitoring system is malfunctioning. <div style="border: 1px solid gray; padding: 5px; margin-top: 10px;"> <p>⚠ WARNING There is a risk of an accident if the tire pressure monitoring system is malfunctioning</p> <p>The tire pressure monitoring system cannot issue a warning if there is pressure loss in one or more of the tires. Tires with insufficient tire pressure may impair the driving characteristics as well as steering and braking.</p> <ul style="list-style-type: none"> ► Have the tire pressure monitoring system checked at a qualified specialist workshop. </div>
<p>Tire Pressure Monitor Inoperative Tire Pressure Sensors Missing</p>	<ul style="list-style-type: none"> * The wheels installed do not have suitable tire pressure sensors. The tire pressure monitoring system is deactivated. <ul style="list-style-type: none"> ► Install wheels with suitable tire pressure sensors.
<div style="text-align: center; border: 1px solid black; width: 40px; height: 40px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">  </div> <p>Wheel Sensor(s) Missing</p>	<ul style="list-style-type: none"> * There is no signal from the tire pressure sensor in at least one wheel. No pressure value is displayed for the affected tire. <ul style="list-style-type: none"> ► Have the faulty tire pressure sensor replaced at a qualified specialist workshop.
<div style="text-align: center; border: 1px solid black; width: 40px; height: 40px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">  </div> <p>Check Tires</p>	<ul style="list-style-type: none"> * The tire pressure in one or more tires has dropped significantly. The wheel position is displayed. A warning tone also sounds.

Display messages	Possible causes/consequences and ► Solutions
	<p>▲ WARNING Risk of an accident due to insufficient tire pressure</p> <ul style="list-style-type: none">• The tires can burst.• The tires 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 tire pressures.► Adjust the tire pressure if necessary. <p>► Stop the vehicle in accordance with the traffic conditions.</p> <p>► Check the tire pressure (→ page 436) and the tires.</p>
 <p>Please Correct Tire Pressure</p>	<p>* The tire pressure is too low in at least one of the tires, or the difference in tire pressure between the individual wheels is too great.</p> <ul style="list-style-type: none">► Check the tire pressure and add air, if necessary.► When the tire pressure is correct, restart the tire pressure monitor (→ page 441).

Display messages	Possible causes/consequences and ► Solutions
 <p data-bbox="195 342 449 365">Warning Tire Malfunction</p>	<p data-bbox="526 249 1406 272">* The pressure in one or more tires has dropped suddenly. The wheel position is displayed.</p> <div data-bbox="550 291 1696 332" style="background-color: #e0e0e0; padding: 5px;"> <p data-bbox="559 298 1160 326">▲ WARNING Risk of an accident from driving with a flat tire</p> </div> <ul data-bbox="569 339 1591 399" style="list-style-type: none"> <li data-bbox="569 339 990 363">• The tires can overheat and be damaged. <li data-bbox="569 370 1591 399">• The driving characteristics as well as the steering and braking characteristics may be greatly impaired. <p data-bbox="559 417 972 441">You could then lose control of the vehicle.</p> <ul data-bbox="559 448 1652 570" style="list-style-type: none"> <li data-bbox="559 448 864 472">► Do not drive with a flat tire. <li data-bbox="559 479 1652 534">► Do not exceed the maximum permissible driving distance in emergency mode and the maximum permissible speed with a flat MOExtended tire. <li data-bbox="559 541 901 565">► Observe the notes on flat tires. <p data-bbox="543 598 861 622">Notes on flat tire (→ page 416).</p> <ul data-bbox="543 629 1142 689" style="list-style-type: none"> <li data-bbox="543 629 1142 653">► Stop the vehicle in accordance with the traffic conditions. <li data-bbox="543 660 735 689">► Check the tires.
 <p data-bbox="195 803 365 826">Tires Overheated</p>	<p data-bbox="526 710 1659 760">* At least one tire is overheating. The affected tires are displayed in red. At temperatures close to the limit value, the tires are displayed in yellow.</p> <div data-bbox="550 779 1696 820" style="background-color: #e0e0e0; padding: 5px;"> <p data-bbox="559 786 1230 814">▲ WARNING Risk of an accident from driving with overheated tires</p> </div> <p data-bbox="559 827 827 851">Overheated tires can burst.</p>

554 Display messages and warning/indicator lamps

Display messages	Possible causes/consequences and ► Solutions
	<p>► Reduce speed so that the tires cool down.</p>
 Reduce Speed	<p>* At least one tire is overheating. The affected tires are displayed in red. At temperatures close to the limit value, the tires are displayed in yellow.</p> <p>▲ WARNING Risk of an accident from driving with overheated tires</p> <p>Overheated tires can burst.</p> <p>► Reduce speed so that the tires cool down.</p>

Warning and indicator lamps

Overview of indicator and warning lamps

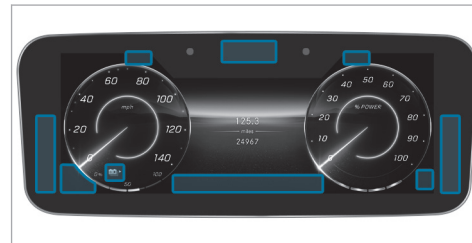
Some systems will perform a self-test when the vehicle is switched on. Some indicator and warning lamps may briefly light up or flash. This behavior is non-critical. These indicator and warning lamps indicate a malfunction only if they light up or flash after the vehicle has been started or during a journey.

The indicator and warning lamps are located in the highlighted display sections.

Driver display







Driver display with driver camera






Indicator and warning lamps





Occupant safety

-  Restraint system (→ page 556)
-  Seat belt (→ page 556)
-  Occupant presence reminder (white) (→ page 556)
-  Occupant presence reminder (yellow) (→ page 556)








Drive system

-  Reduced power (→ page 558)
-  System error (→ page 558)
-  Electrical malfunction (→ page 558)








Vehicle




-  Power steering (yellow) (→ page 559)
-  Power steering (red) (→ page 559)
-  Rear-axle steering (yellow) (→ page 559)
-  Rear-axle steering (red) (→ page 559)

Brakes


-  Electric parking brake (yellow) (→ page 561)
-  USA: electric parking brake (red) (→ page 561)
-  Canada: electric parking brake (red) (→ page 561)
-  USA: Recuperative Brake System (→ page 561)
-  Canada: brakes (yellow) (→ page 561)
-  USA: brakes (red) (→ page 561)
-  Canada: brakes (red) (→ page 561)

Driving and driving safety systems

-  ABS (→ page 564)
-  ESP® (→ page 564)
-  ESP® OFF (→ page 564)
-  ATTENTION ASSIST (→ page 564)
-  Traffic Sign Assist (→ page 564)
-  Distance warning (→ page 564)
-  Active Brake Assist (→ page 564)

-  Active Brake Assist (→ page 564)
-  Active Brake Assist (→ page 564)
-  AIRMATIC (→ page 564)






Mercedes-Benz emergency call system

-  Mercedes-Benz emergency call system (→ page 569)




Tire pressure monitor

-  Tire pressure monitor (→ page 569)



Exterior lighting




-  Parking lamps (→ page 155)
-  Low beam (→ page 155)
-  High beam (→ page 156)
-  Turn signal lights (→ page 156)
-  Rear fog light (→ page 155)

Symbols on the central display




-  Drive Away Assist (→ page 311)
-  Rear cross traffic warning (→ page 312)
-  Close-range braking (→ page 313)

Occupant safety



Warning/indicator lamp	Possible causes/consequences and ► Solutions
 <p data-bbox="144 384 395 433">Restraint system warning lamp</p>	<p data-bbox="463 294 1123 342">* The restraint system red warning lamp is lit while the vehicle is on. The restraint system is malfunctioning (→ page 48).</p> <div data-bbox="482 360 1646 601" style="border: 1px solid gray; padding: 5px;"> <p data-bbox="491 370 1179 397">▲ DANGER Risk of death due to the restraint system malfunctioning</p> <p data-bbox="491 412 1628 461">Components in the restraint system may be activated unintentionally or not deploy as intended in an accident. In the event of an accident, the high-voltage on-board electrical system may not be deactivated as intended.</p> <p data-bbox="491 474 1581 523">You may receive an electric shock if you touch the damaged components of the high-voltage on-board electrical system.</p> <ul data-bbox="491 536 1456 591" style="list-style-type: none"> <li data-bbox="491 536 1456 560">▶ Have the restraint system checked and repaired immediately at a qualified specialist workshop. <li data-bbox="491 567 1045 591">▶ After an accident, switch off the vehicle immediately. </div> <ul data-bbox="476 619 1018 712" style="list-style-type: none"> <li data-bbox="476 619 691 643">▶ Drive on carefully. <li data-bbox="476 653 907 677">▶ Note the messages on the driver display. <li data-bbox="476 687 1018 712">▶ Consult a qualified specialist workshop immediately.
 <p data-bbox="144 819 371 868">Seat belt warning lamp flashes</p>	<p data-bbox="463 729 1387 778">* 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.</p> <ul data-bbox="476 791 1009 876" style="list-style-type: none"> <li data-bbox="476 791 857 815">▶ Fasten your seat belt (→ page 48). <li data-bbox="476 819 931 843">There are objects on the front passenger seat. <li data-bbox="476 853 1009 876">▶ Remove the objects from the front passenger seat.



Warning/indicator lamp	Possible causes/consequences and ► Solutions
 <p data-bbox="194 341 425 393">Seat belt warning lamp lights up</p>	<p data-bbox="508 248 1358 274">* The red seat belt warning lamp lights up for six seconds once the vehicle has started.</p> <p data-bbox="526 284 1044 310">In addition, an intermittent warning tone may sound.</p> <p data-bbox="526 310 1469 336">The red seat belt warning lamp reminds the driver and front passenger to fasten their seat belts.</p> <p data-bbox="526 341 914 367">► Fasten your seat belt (→ page 48).</p> <p data-bbox="526 388 1524 414">If you have placed objects on the front passenger seat, the red seat belt warning lamp may remain lit.</p>
 <p data-bbox="194 523 425 595">Occupant presence reminder warning lamp (white)</p>	<p data-bbox="508 429 1099 455">* The white occupant presence reminder warning lamp is lit.</p> <p data-bbox="526 455 1007 481">The occupant presence reminder is deactivated.</p> <p data-bbox="526 486 1173 512">► Switch on the occupant presence reminder, see (→ page 78).</p>
 <p data-bbox="194 709 471 782">Occupant presence reminder warning lamp (yellow)</p>	<p data-bbox="508 616 1108 642">* The yellow occupant presence reminder warning lamp is lit.</p> <p data-bbox="526 642 1025 668">The occupant presence reminder is malfunctioning</p> <p data-bbox="526 673 960 699">► Note the messages on the driver display.</p>

Drive system

Warning/indicator lamp	Possible causes/consequences and ► Solutions
 <p>Reduced warning lamp power</p>	<p>* The yellow reduced-power warning lamp is on. Drive system power output is reduced.</p> <p>► Note the messages on the driver display.</p>
 <p>System malfunction warning lamp</p>	<p>* 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.</p> <p>► Note the messages on the driver display.</p>
 <p>Electrical malfunction warning lamp</p>	<p>* The red electrical malfunction warning lamp is on. There is a malfunction with the electrics.</p> <p>► Note the messages on the driver display.</p>





Vehicle



Warning/indicator lamp	Possible causes/consequences and ► Solutions
 <p data-bbox="194 383 425 435">Power steering warning lamp (yellow)</p>	<p data-bbox="508 290 1238 341">* The yellow power steering warning lamp is lit while the vehicle is running. The power assistance or the steering itself is malfunctioning.</p> <ul style="list-style-type: none"> <li data-bbox="526 352 960 378">► Note the messages on the driver display.
 <p data-bbox="194 543 425 595">Power steering warning lamp (red)</p>	<p data-bbox="508 450 1210 502">* The red power steering warning lamp is lit while the vehicle is running. The power assistance or the steering itself is malfunctioning.</p> <div data-bbox="526 518 1690 699" style="border: 1px solid gray; padding: 5px;"> <p data-bbox="535 528 1164 554">▲ WARNING Risk of accident if steering capability is impaired</p> <p data-bbox="545 569 1422 595">If the steering does not function as intended, the vehicle's operating safety is jeopardized.</p> <ul style="list-style-type: none"> <li data-bbox="545 606 1663 657">► 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. <li data-bbox="545 663 970 688">► Consult a qualified specialist workshop. </div> <ul style="list-style-type: none"> <li data-bbox="526 714 960 740">► Note the messages on the driver display.

Warning/indicator lamp	Possible causes/consequences and ► Solutions
 <p data-bbox="144 342 408 394">Rear axle steering warning lamp (yellow)</p>	<p data-bbox="463 249 1212 301">* The yellow rear axle steering warning lamp is lit while the vehicle is running. The rear axle steering is malfunctioning.</p> <ul data-bbox="476 308 925 335" style="list-style-type: none"><li data-bbox="476 308 925 335">► Note the messages on the driver's display.
 <p data-bbox="144 503 408 555">Rear axle steering warning lamp (red)</p>	<p data-bbox="463 410 1184 462">* The red rear axle steering warning lamp is lit while the vehicle is running. The rear axle steering is malfunctioning.</p> <div data-bbox="482 477 1646 658" style="border: 1px solid gray; padding: 5px;"><p data-bbox="491 484 1114 511">▲ WARNING Risk of accident if steering capability is impaired</p><p data-bbox="491 526 1369 553">If the steering does not function as intended, the vehicle's operating safety is jeopardized.</p><ul data-bbox="491 560 1609 648" style="list-style-type: none"><li data-bbox="491 560 1609 612">► 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.<li data-bbox="491 619 916 648">► Consult a qualified specialist workshop.</div> <ul data-bbox="476 671 925 698" style="list-style-type: none"><li data-bbox="476 671 925 698">► Note the messages on the driver's display.



Brakes



Warning/indicator lamp	Possible causes/consequences and ► Solutions
<div data-bbox="205 296 362 379" data-label="Image"> </div> <p data-bbox="195 387 463 436">Electric parking brake indicator lamp (red) (USA only)</p> <div data-bbox="205 443 362 526" data-label="Image"> </div> <p data-bbox="195 534 463 609">Electric parking brake indicator lamp (red) (Canada only)</p> <div data-bbox="205 616 362 699" data-label="Image"> </div> <p data-bbox="195 707 463 756">Electric parking brake indicator lamp (yellow)</p>	<p data-bbox="513 294 1119 319">* The red electric parking brake indicator lamp flashes or is lit.</p> <p data-bbox="526 327 1406 352">The yellow electric parking brake indicator lamp is also lit up in the event of a malfunction.</p> <ul data-bbox="526 356 962 381" style="list-style-type: none"> ► Note the messages on the driver display.




Warning/indicator lamp	Possible causes/consequences and ► Solutions
 <p>RBS warning lamp (USA only)</p>  <p>Brakes warning lamp (yellow) (Canada only)</p>	<p>*The yellow  warning lamp (USA only) or the yellow  brake warning lamp (Canada only) is lit while the vehicle is running.</p> <p>▲ WARNING Risk of an accident due to a brake system malfunction</p> <p>If the brake system is malfunctioning, braking characteristics may be impaired.</p> <ul style="list-style-type: none">► Drive on carefully.► Have the brake system checked immediately at a qualified specialist workshop. <p>The Hill Start Assist may be malfunctioning.</p> <ul style="list-style-type: none">► 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.




Warning/indicator lamp	Possible causes/consequences and ► Solutions
 <p>Brakes warning lamp (USA only)</p>  <p>Brakes warning lamp (Canada only)</p>	<p>* The red brakes warning lamp is lit while the vehicle is running.</p> <p>Possible causes:</p> <ul style="list-style-type: none">• The brake force boosting is malfunctioning and the braking characteristics may be affected.• There is insufficient brake fluid in the brake fluid reservoir. <p>► Note the messages on the driver display.</p> <p>▲ WARNING Risk of accident and injury if brake force boosting is malfunctioning</p> <p>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.</p> <ul style="list-style-type: none">► Stop in a safe location immediately. Do not continue driving.► Consult a qualified specialist workshop. <p>▲ WARNING Risk of an accident due to low brake fluid level</p> <p>If the brake fluid level is too low, the braking effect and the braking characteristics may be impaired.</p> <ul style="list-style-type: none">► 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.► Do not add brake fluid.



Driving and driving safety systems

Warning/indicator lamp	Possible causes/consequences and ► Solutions
 <p data-bbox="144 387 323 410">ABS warning lamp</p>	<p data-bbox="463 294 1082 342">* The yellow ABS warning lamp is lit while the vehicle is running. ABS is malfunctioning.</p> <p data-bbox="476 353 1060 376">If an additional warning tone sounds, EBD is malfunctioning.</p> <p data-bbox="476 386 1230 409">Other driving systems and driving safety systems may also be malfunctioning.</p> <p data-bbox="476 419 907 442">► Note the messages on the driver display.</p> <div data-bbox="482 467 1646 677" style="border: 1px solid black; padding: 5px;"> <p data-bbox="491 472 1203 498">▲ WARNING There is a risk of skidding if EBD or ABS is malfunctioning</p> <p data-bbox="495 513 851 536">The wheels may lock during braking.</p> <p data-bbox="495 547 1618 595">The steerability and braking characteristics are heavily impaired and the braking distance may increase. In addition, other driving safety systems are switched off.</p> <p data-bbox="495 606 704 628">► Drive on carefully.</p> <p data-bbox="495 639 1299 662">► Have the brake system checked immediately at a qualified specialist workshop.</p> </div>
 <p data-bbox="144 788 412 811">ESP® warning lamp flashes</p>	<p data-bbox="463 695 1143 743">* The yellow ESP® warning lamp flashes while the vehicle is in motion. One or more wheels have reached their grip limit (→ page 242).</p> <p data-bbox="476 754 1136 777">► Adapt your driving style to suit the road and weather conditions.</p>


Warning/indicator lamp	Possible causes/consequences and ► Solutions
 <p data-bbox="194 341 480 367">ESP® warning lamp lights up</p>	<p data-bbox="508 248 1145 305">* The yellow ESP® warning lamp is lit while the vehicle is running. ESP® is malfunctioning.</p> <p data-bbox="526 315 1386 341">Other driving systems and driving safety systems (e.g. BAS) may also be malfunctioning.</p> <p data-bbox="526 347 960 372">► Note the messages on the driver display.</p> <div data-bbox="526 388 1690 574" style="border: 1px solid black; padding: 5px;"> <p data-bbox="535 398 1099 429">▲ WARNING Risk of skidding if ESP® is malfunctioning</p> <p data-bbox="545 440 1653 492">If ESP® is malfunctioning, ESP® cannot carry out vehicle stabilization. In addition, other driving safety systems are switched off.</p> <ul style="list-style-type: none"> <li data-bbox="545 502 757 528">► Drive on carefully. <li data-bbox="545 538 1118 564">► Have ESP® checked at a qualified specialist workshop. </div>
 <p data-bbox="194 683 434 709">ESP® OFF warning lamp</p>	<p data-bbox="508 590 1191 647">* The yellow ESP® OFF warning lamp is lit while the vehicle is running. ESP® is deactivated.</p> <p data-bbox="526 657 1247 683">Other driving systems and driving safety systems may also be inoperative.</p> <div data-bbox="526 699 1690 849" style="border: 1px solid black; padding: 5px;"> <p data-bbox="535 709 1201 740">▲ WARNING Risk of skidding when driving with ESP® deactivated</p> <p data-bbox="545 751 1570 777">ESP® does not act to stabilize the vehicle. The availability of further driving safety systems is also limited.</p> <ul style="list-style-type: none"> <li data-bbox="545 787 757 813">► Drive on carefully. <li data-bbox="545 823 1145 849">► Deactivate ESP® only for as long as the situation requires. </div>

Warning/indicator lamp	Possible causes/consequences and ► Solutions
	<p>If ESP® cannot be activated, ESP® is malfunctioning.</p> <ul style="list-style-type: none"> ► Have ESP® checked immediately at a qualified specialist workshop. <p>► Observe the notes on deactivating ESP® (→ page 242).</p>
 <p>ATTENTION ASSIST warning lamp</p>	<p>* The ATTENTION ASSIST warning lamp is lit. ATTENTION ASSIST is malfunctioning.</p> <ul style="list-style-type: none"> ► Consult a qualified specialist workshop.
 <p>Traffic Sign Assist warning lamp</p>	<p>* The Traffic Sign Assist warning lamp is lit. Traffic Sign Assist is malfunctioning.</p> <ul style="list-style-type: none"> ► Note the messages on the driver display.
 <p>Distance warning lamp</p>	<p>* 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> <p>If there is an additional warning tone, you are approaching an obstacle at too high a speed.</p> <ul style="list-style-type: none"> ► Be prepared to brake immediately. ► Increase the distance.


Warning/indicator lamp	Possible causes/consequences and ► Solutions
 <p data-bbox="194 383 471 435">Active Brake Assist warning lamp</p>	<p data-bbox="526 248 979 274">Function of Active Brake Assist (→ page 269).</p> <p data-bbox="508 290 1533 341">* 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> <p data-bbox="526 352 960 378">► Note the messages on the driver display.</p>
 <p data-bbox="194 543 471 595">Active Brake Assist warning lamp</p>	<p data-bbox="508 450 1552 533">* The Active Brake Assist warning lamp is on. The system is switched off or the range of functions has been automatically restricted. This may be the case if the driver is not wearing a seat belt or another driving system has been activated.</p> <p data-bbox="526 543 1118 569">► Observe the notes on Active Brake Assist (→ page 269).</p>
 <p data-bbox="194 704 471 756">Active Brake Assist warning lamp</p>	<p data-bbox="508 611 1469 694">* The Active Brake Assist warning lamp is on. After you drive off, the system's range of functions will be restricted due to the teach-in process. Depending on the ambient conditions, the teach-in process may take a few minutes.</p> <p data-bbox="526 704 1118 730">► Observe the notes on Active Brake Assist (→ page 269).</p>

Warning/indicator lamp	Possible causes/consequences and ► Solutions
 <p>Suspension warning lamp (yellow)</p>	<p>* The yellow AIRMATIC warning lamp is lit. A malfunction has occurred in AIRMATIC.</p> <ul style="list-style-type: none"> ► Note the messages on the driver display.
 <p>Suspension warning lamp (red)</p>	<p>* The red AIRMATIC warning lamp is lit. A malfunction has occurred in AIRMATIC.</p> <div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <p>! NOTE The vehicle's driving characteristics will have changed significantly.</p> </div> <ul style="list-style-type: none"> ► Consult a qualified specialist workshop. <ul style="list-style-type: none"> ► Note the messages on the driver display. ► Consult a qualified specialist workshop.

Mercedes-Benz emergency call system

Warning/indicator lamp	Possible causes/consequences and ► Solutions
 <p>Mercedes-Benz emergency call system warning lamp</p>	<p>*The Mercedes-Benz emergency call system is malfunctioning. The Mercedes me connect system is also malfunctioning.</p> <ul style="list-style-type: none"> ► Consult a qualified specialist workshop.

Tire pressure monitor

Warning/indicator lamp	Possible causes/consequences and ► Solutions
 <p>Tire pressure monitoring system warning lamp flashes</p>	<p>*The yellow tire pressure monitor warning lamp (pressure loss/malfunction) flashes for approximately one minute and then remains lit. The tire pressure monitoring system is malfunctioning.</p> <div style="background-color: #f0f0f0; padding: 5px;"> <p>⚠ WARNING There is a risk of an accident if the tire pressure monitoring system is malfunctioning</p> <p>The tire pressure monitoring system cannot issue a warning if there is pressure loss in one or more of the tires. Tires with insufficient tire pressure may impair the driving characteristics as well as steering and braking.</p> <ul style="list-style-type: none"> ► Have the tire pressure monitoring system checked at a qualified specialist workshop. </div>

Warning/indicator lamp



Tire pressure monitoring system warning lamp lights up

Possible causes/consequences and ► Solutions

* The yellow tire pressure monitoring system warning lamp (pressure loss/malfunction) is lit. The tire pressure monitoring system has detected a loss of pressure in at least one tire.

▲ WARNING Risk of an accident due to insufficient tire pressure

- The tires can burst.
- The tires 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 tire pressures.
- Adjust the tire pressure if necessary.

- Stop the vehicle in accordance with the traffic conditions.
- Check the tire pressure and the tires.

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

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

































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

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



















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























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