Disclaimer

The following version of the Owner‘s Manual describes all models, series and special equipment of your vehicle. Country-specific language variations are possible. Please note that your vehicle might not be equipped with all the described functions. This also affects safety-relevant systems and functions. Please contact your authorised Mercedes-Benz dealership if you would like to receive a printed Owner‘s Manual for other vehicle models and vehicle model years.

The online Owner‘s Manual is the current and valid version. It is possible that deviations affecting your specific vehicle could not be taken into account as Mercedes-Benz constantly adapts its vehicles according to the latest technology and makes changes to the form and the equipment.

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

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Mercedes-Benz



E-Class Saloon

Owner's Manual

Mercedes-Benz

Front passenger airbag warning



WARNING Risk of injury or death if the co-driver airbag is enabled

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

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

Observe the chapter "Children in the vehicle".

Thank you for buying Mercedes-Benz

Before you first drive off, read this Owner's Manual carefully and familiarise yourself with your vehicle. For your own safety and a longer operating lifespan of the vehicle, follow the instructions and warning notices in this Owner's Manual. Disregarding them may lead to damage to the vehicle or injury to people.

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

- model
- order
- national version
- availability

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

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

Mercedes-Benz is constantly developing its vehicles further.

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

- design
- equipment
- technical features

The following documents are integral parts of the vehicle:

- Digital Owner's Manual
- printed Owner's Manual
- service booklet
- equipment-dependent supplements
- 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.

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Symbols **5**

At a glance **6**
Cockpit 6
Cockpit (Plug-in-Hybrid) 10
Indicator and warning lamps 12
Overhead control panel 14
Door operating unit and seat adjustment 16
Emergencies and breakdowns 18

Digital Owner's Manual **20**
Calling up the Digital Owner's Manual 20
Calling up the Digital Owner's Manual 21

General notes **23**
Protection of the environment 23
Take-back of end-of-life vehicles 23
Mercedes-Benz GenuineParts 24
Owner's Manual 25
Operating safety 25
Declarations of conformity and notes on driving in different countries 28
Diagnostics connection 35
Qualified specialist workshop 37
Vehicle registration 37
Correct use of the vehicle 37
Information on the REACH regulation 38
Notes for persons with electronic medical aids 38
Implied warranty 39
QR code for rescue card 39
Data storage 39
Copyright 42

Occupant safety **43**
Restraint system 43
Seat belts 45
Airbags 50
PRE-SAFE® system 56
Safely transporting children in the vehicle 58
Notes on pets in the vehicle 77

Opening and closing **78**
Key 78
Doors 81
Boot 86
Side windows 91
Sliding sunroof 94
Roller sunblinds 98
Anti-theft protection 99

Seats and stowing **103**
Notes on the correct driver's seat position .. 103
Seats 104
Steering wheel 113
Easy entry and exit feature 115
Memory function 116
Stowage areas 118
Sockets 129
Wireless charging of the mobile phone and connection with the exterior aerial 130
Fitting and removing the floor mats 132

Light and sight **134**
Exterior lighting 134
Interior lighting 142
Windscreen wipers and windscreen washer system 144
Mirrors 146
Area permeable to radio waves on the windscreen 149

Infrared-reflective windscreen function 149

Climate control 150
Overview of climate control systems 150
Operating the climate control system 151

Driving and parking 164
Driving 164
DYNAMIC SELECT switch 183
Automatic transmission 186
Function of the 4MATIC 190
Refuelling 190
Charging the high-voltage battery (plug-in hybrid) 196
Parking 208
Driving and driving safety systems 216
Trailer hitch 272
Bicycle rack function 278
Vehicle towing instructions 280

Instrument display and on-board computer 281
Notes on the instrument display and on-board computer 281
Overview of instrument display 282
Overview of buttons on the steering wheel ... 283
Operating the on-board computer 283
Function of the power meter (plug-in hybrid) 285
Function of the electric motor power availability display (plug-in hybrid) 285
Displaying the power meter (plug-in hybrid) 286
Overview of displays on the instrument display 286
Head-up display 287

LINGUATRONIC 290
Notes on operating safety 290
Operation 290
Using LINGUATRONIC effectively 292
Essential voice commands 293

MBUX multimedia system 311
Overview and operation 311
System settings 321
Plug-in hybrid settings 326
Navigation 327
Telephone 335
Mercedes me app 338
Mercedes-Benz emergency call system 347
Radio, media & TV 351
Sound settings 357

Maintenance and care 359
ASSYST PLUS service interval display 359
Engine compartment 360
Cleaning and care 367

Breakdown assistance 374
Emergency 374
Flat tyre 376
Battery (vehicle) 381
Tow-starting or towing away 387
Electrical fuses 392

Wheels and tyres **395**
Notes on noise or unusual handling characteristics 395
Notes on regularly inspecting wheels and tyres 395
Notes on snow chains 395
Tyre pressure 396
Wheel change 400
Emergency spare wheel 410

Technical data **412**
Notes on technical data 412
On-board electronics 412
Regulatory radio identification and notes 414
Vehicle identification plate, VIN and engine number overview 415
Operating fluids 417
Vehicle data 427
Trailer hitch 429

Display messages and warning/indicator lamps **433**
Display messages 433
Warning and indicator lamps 499

Index **516**

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

DANGER Danger due to not observing the warning notices

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

▶ Observe the warning notices.

ENVIRONMENTAL NOTE Environmental damage due to failure to observe environmental notes

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

▶ Observe environmental notes.

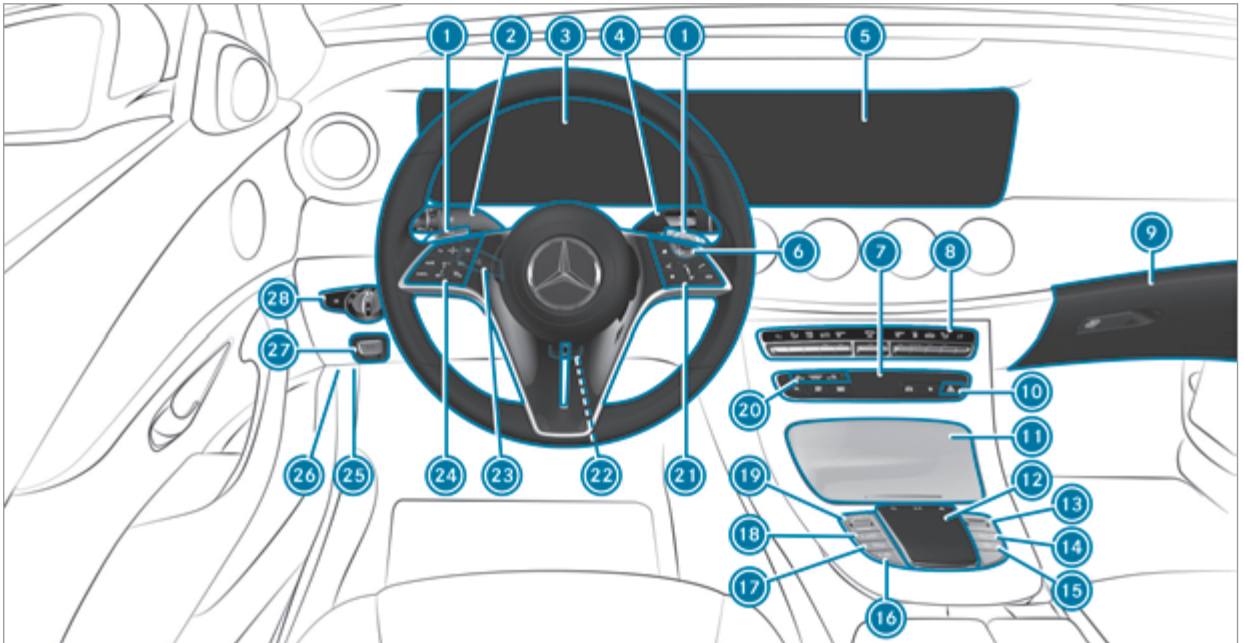
NOTE Damage to property due to failure to observe notes on material damage

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

▶ Observe notes on material damage.

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

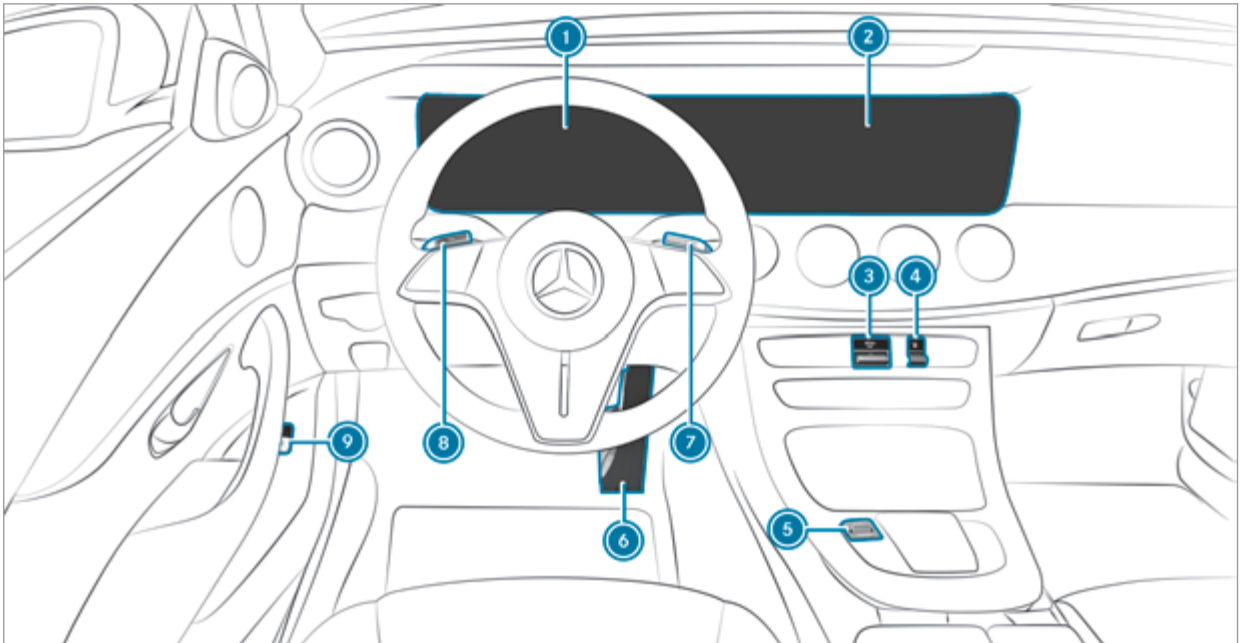
▶	Instruction
(⟶ page)	Further information on a topic
Display	Display field in the Instrument Display/media display
⤳	Highest menu level, which is to be selected in the multimedia system
▶▶	Relevant submenus, which are to be selected in the multimedia system
*	Indicates a cause


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11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28

1	Steering wheel gearshift paddles	→ 188
2	Combination switch	→ 136
3	Instrument display	→ 282
4	DIRECT SELECT lever	→ 186
5	Media display	→ 311
6	Start/stop button	→ 168
7	Calls up MBUX multimedia system applications	→ 314
8	Climate control systems	→ 151
9	Glove compartment	→ 121
10	Hazard warning light system	→ 136
11	Stowage compartment	→ 121
12	Touchpad	→ 314
13	Controller for volume and switching sound on/off	→ 311
14	Switches the MBUX multimedia system on/off	→ 311
15	Rear-window roller sunblind	→ 99
16	ECO start/stop function	→ 176
17	Active Parking Assist	→ 266
18	Sets the vehicle level	→ 251
19	DYNAMIC SELECT switch	→ 184
20	PASSENGER AIR BAG indicator lamps	→ 54
21	Control panel for the MBUX multimedia system	→ 283
22	Adjusts the steering wheel manually	→ 113
23	Adjusts the steering wheel electrically	→ 114
	Switches the steering wheel heater on/off	→ 115
24	Control panel:	
	On-board computer	→ 283
	Cruise control or variable limiter	→ 226
	Active Distance Assist DISTRONIC	→ 230
25	Diagnostics connection	→ 35
26	Opens the bonnet	→ 360

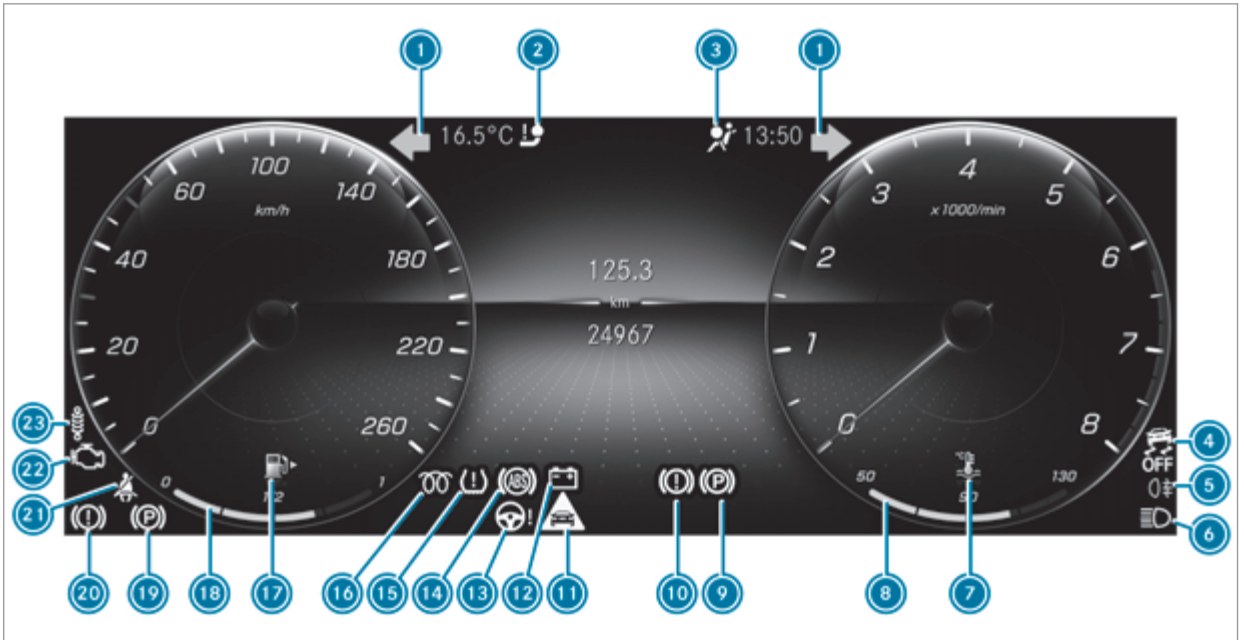
27 Ⓟ Electric parking brake → 213

28 Light switch → 134



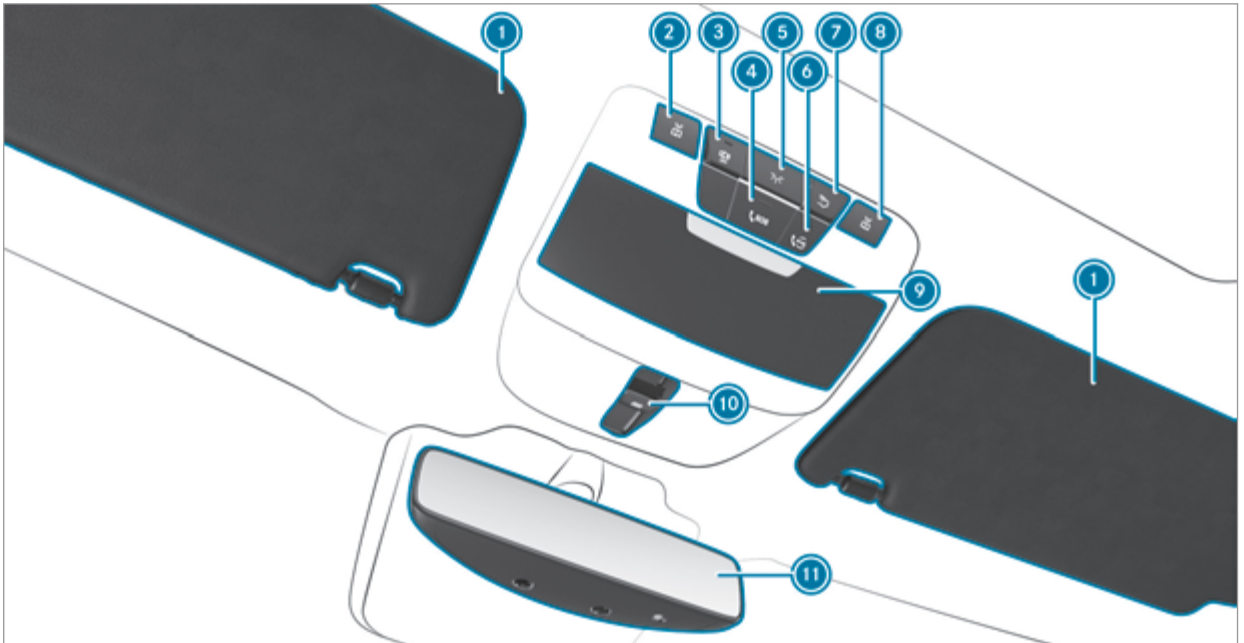
Left-hand-drive vehicles

1	Instrument display:		
	READY Operational readiness	→	281
	Power availability display	→	285
	Power meter	→	285
	Trip computer	→	281
	ECO Assist	→	177
2	Media display:		
	Plug-in hybrid settings	→	326
	Energy flow display	→	326
3	MENU REST Sets pre-entry climate control for departure time	→	157
4	Switches immediate pre-entry climate control on/off	→	157
5	DYNAMIC SELECT switch	→	183
6	Haptic accelerator pedal	→	182
7	+ Reduces recuperation	→	179
8	– Increases recuperation	→	179
9	Depressurises the fuel tank	→	190

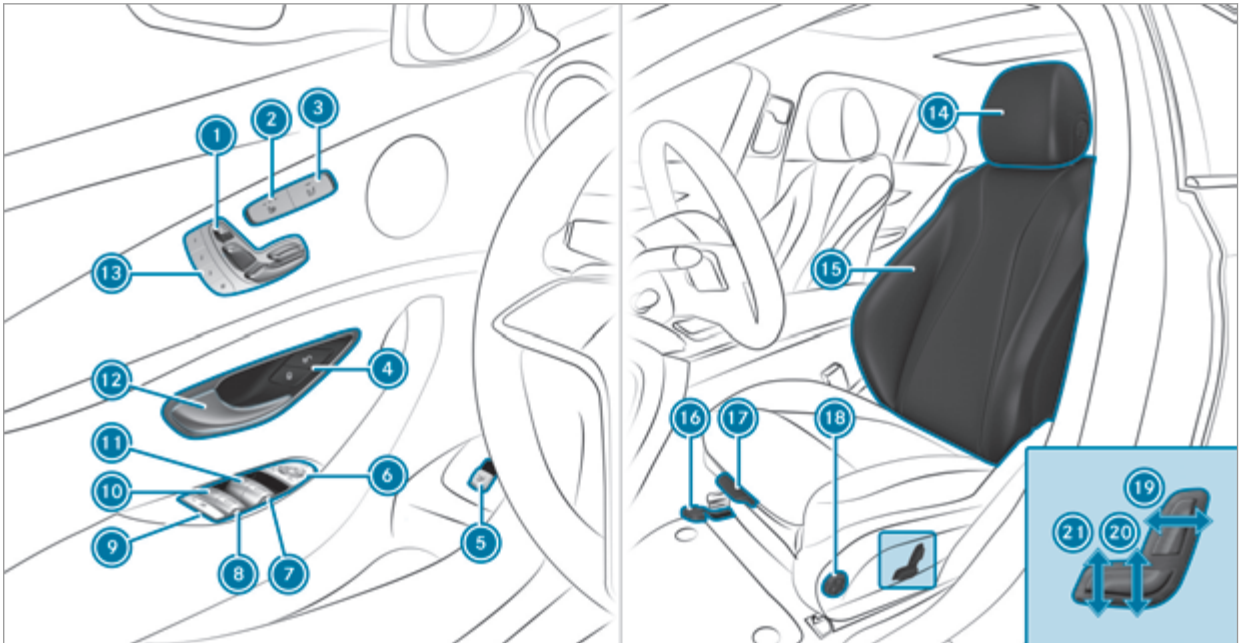


Instrument display

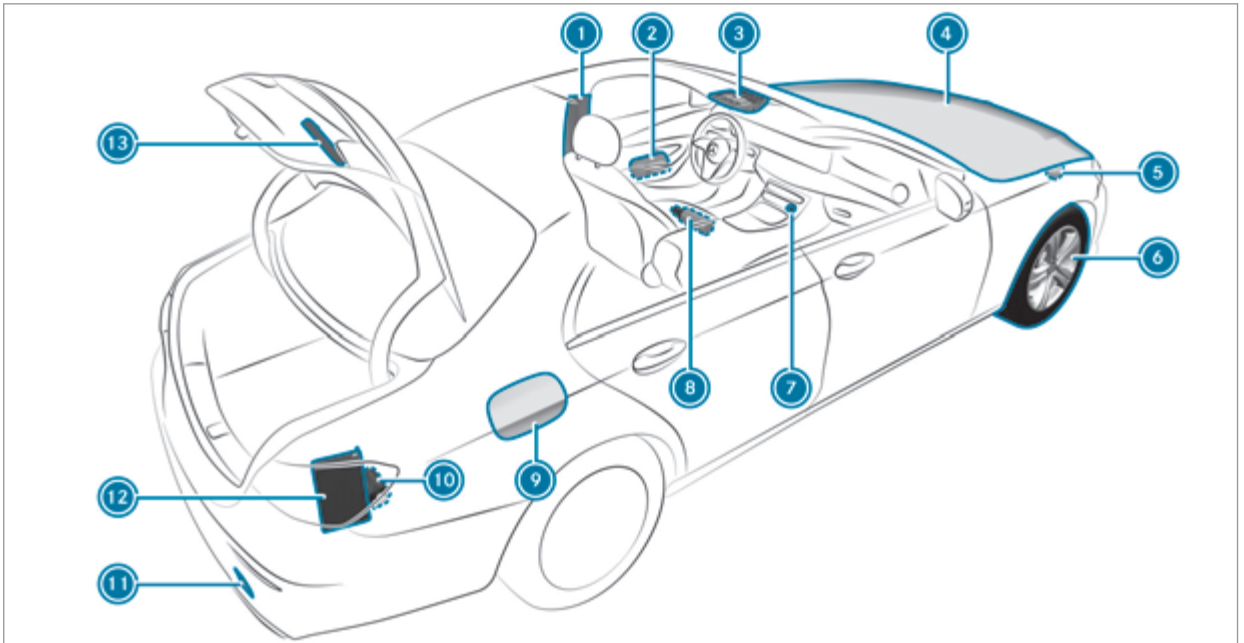
1	Turn signal lights	→	136
2	Trailer hitch	→	503
3	Restraint system	→	501
4	ESP® OFF	→	511
	ESP®	→	511
5	Rear fog light	→	135
6	High beam	→	136
	Low beam	→	134
	Standing lights	→	134
7	Coolant temperature	→	505
8	Coolant temperature display	→	282
9	Electric parking brake (yellow)	→	508
10	Brakes (yellow)	→	508
11	Distance warning	→	510
12	Electrical fault	→	505
13	Electric power steering	→	503
14	ABS	→	511
15	Tyre pressure monitoring system	→	514
16	Diesel engine: preglow		
17	Reserve fuel with fuel filler flap location indicator	→	505
18	Fuel level	→	282
19	Electric parking brake (red)	→	508
20	Brakes (red)	→	508
21	Seat belt	→	501
22	Engine diagnostics	→	505
23	Suspension	→	510


1
2
3
4
5
6
7
8
9
10
11
1

1	Sun visors		
2	Switches the left-hand reading lamp on/off	→	142
3	Switches the automatic interior lighting control on/off	→	142
4	SOS button	→	338
5	Switches the front interior lighting on/off	→	142
6	me button	→	338
7	Switches the rear interior lighting on/off	→	142
8	Switches the right-hand reading lamp on/off	→	142
9	Spectacles compartment		
10	Opens/closes the panorama sliding sunroof	→	94
	Opens/closes the roller sunblind	→	94
11	Inside rearview mirror	→	147


1
2
3
13
12
4
11
10
6
9
8
7
5
14
15
16
17
18
19
21
20

1	Adjusts the seats electrically	→	107
2	Switches the seat heating on/off	→	112
3	Switches the seat ventilation on/off	→	113
4	Locks/unlocks the vehicle	→	82
5	Opens/closes the boot lid	→	86
6	Operates the outside mirrors	→	146
7	Opens/closes the right side window	→	91
8	Opens/closes the rear right side window	→	91
9	Child safety lock for the rear side windows	→	77
10	Opens/closes the rear left side window	→	91
11	Opens/closes the left side window	→	91
12	Opens the door	→	82
13	M Operates the memory function	→	117
14	Adjusts the head restraints	→	108
15	Configures the seat settings	→	109
16	Adjusts the seat fore-and-aft position	→	106
17	Adjusts the seat cushion length	→	106
18	Adjusts the 4-way lumbar support	→	107
19	Adjusts the seat backrest inclination	→	106
20	Adjusts the seat height	→	106
21	Adjusts the seat cushion inclination	→	106


1
2
3
4
5
6
7
8
9
10
11
12
13

1	B-pillar with:		
	QR code for accessing the rescue card	→	39
2	Safety vests	→	374
3	me button	→	338
	SOS SOS button	→	338
4	To check and top up operating fluids	→	417
	Starting assistance	→	385
5	Tow-starting or towing away	→	388
6	Flat tyre	→	376
7	Hazard warning light system	→	136
8	Fire extinguisher	→	375
9	Fuel filler flap with:		
	information label on fuel type	→	190
	information label on tyre pressure	→	397
	QR code for accessing the rescue card	→	39
10	TIREFIT kit	→	378
11	Tow-starting or towing away	→	388
12	First-aid kit (soft sided)	→	375
13	Warning triangle	→	374

Calling up the Digital Owner's Manual

Multimedia system:

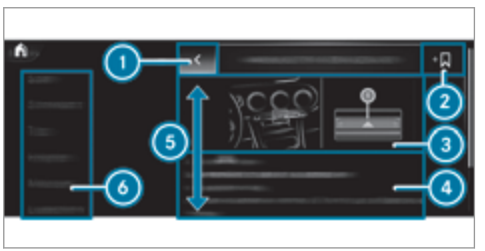
↳ ⌂ ▸▸ Settings ▸▸ Owner's Manual



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

▶ Select one of the following menu items in the Digital Owner's Manual:

- Search: search for keywords in order to find quick answers to questions about the operation of the vehicle.
- Quick start: here is where you find the first steps towards setting up your vehicle.
- Tips: find information that prepares you for certain everyday situations with your vehicle.
- Animations: watch animations of the vehicle functions.
- Messages: receive additional information about the messages in the Instrument Display.
- Bookmarks: gain access to your personally saved bookmarks.
- Language: select the language for the Digital Owner's Manual.



1. Back
2. Adds bookmarks
3. Picture
4. Contents section
5. Directions of movement of contents section
6. Menu

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

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

Direct access: open the required content in the Digital Owner's Manual by pressing and holding an entry on the tab bar in the multimedia system:



Instrument Display: call up brief information as display messages in the instrument cluster

LINGUATRONIC: call up via the voice control system

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

Calling up the Digital Owner's Manual

Multimedia system:

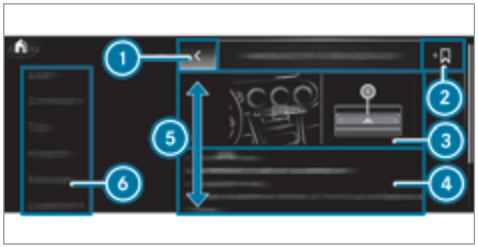
Info » Owner's Manual »



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

Protection of the environment

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

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

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

Operating conditions:

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

Personal driving style:

- Do not depress the accelerator pedal when starting the engine.
- Do not warm up the vehicle while stationary.
- Drive carefully and maintain a suitable distance from the vehicle in front.
- Avoid frequent, sudden acceleration and braking.
- Change gear in good time and use each gear only up to ⅔ of its maximum engine speed.
- Switch off the vehicle in stationary traffic, e.g. by using the ECO start/stop function.
- Drive in a fuel-efficient manner. Observe the ECO display for an economical driving style.

Plug-in hybrid

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

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

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

Take-back of end-of-life vehicles

EU countries only:
Mercedes-Benz will take back your end-of-life vehicle for environment-friendly disposal in accordance with the European Union (EU) End-of-Life Vehicles Directive.

A network of vehicle take-back points and dismantlers has been established for you to return your vehicle. You can leave it at any of these points free of charge. This makes an important contribution to closing the recycling circle and conserving resources.

For further information about the recycling and disposal of end-of-life vehicles, and the take-back conditions, please visit the national Mercedes-Benz website for your country.

Mercedes-Benz GenuineParts

ENVIRONMENTAL NOTE Environmental damage caused by not using recycled reconditioned components

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

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

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

Airbags and seat belt tensioners, as well as control units and sensors for the restraint systems, may be installed in the following areas of your vehicle:

- Doors
- Door pillars
- Door sills
- Seats
- Cockpit
- Instrument cluster
- Centre console
- Lateral roof frame

- ▶ Do not install accessory parts such as audio systems in these areas.
- ▶ Do not carry out repairs or welding.
- ▶ Have accessory parts retrofitted at a qualified specialist workshop.

You could jeopardise the operating safety of your vehicle if you use parts, tyres and wheels as well as accessories relevant to safety which have not been approved by Mercedes-Benz. Safety-relevant systems, e.g. the brake system, may malfunction. Only use Mercedes-Benz GenuineParts or parts of equal quality. Only use tyres, wheels and accessory parts that have been specifically approved for your vehicle model.

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

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

This is the case in the following situations:

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

Always specify the vehicle identification number (VIN) (→ page 415) when ordering Mercedes-Benz GenuineParts.

Owner's Manual

This Owner's Manual and the Digital Owner'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 Owner's Manual going to press.
- The models and the standard and special equipment only available in certain countries.
- The models and the standard and special equipment, which will only be available at a later date.

Note that your vehicle may not be fitted with all features described. This is also the case for systems relevant to safety. Therefore, the equipment on your vehicle may differ from that in the descriptions and illustrations.

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

Should you have any questions concerning equipment and operation, please consult a Mercedes-Benz Service Centre.

The Owner's Manual, Supplement, further supplementary documents and Service Booklet are important documents and should be kept in the vehicle.

Operating safety

WARNING Risk of injury due to malfunctions or system failure

In order to avoid malfunctions or system failures:

- Always have the specified service/maintenance work as well as any necessary repairs carried out at a qualified specialist workshop.

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

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

This can endanger the vehicle's operating safety.

- You must not tamper with wiring, electronic components, or their software.

- Always have work on electrical and electronic devices carried out at a qualified specialist workshop.

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

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

WARNING Risk of fire due to flammable materials on hot parts of the exhaust system

Flammable material such as leaves, grass or twigs may ignite if they come into contact with hot parts of the exhaust system.

- When driving on unpaved roads or off-road, regularly check the vehicle underside.
- Remove trapped plants or other flammable material, in particular.
- If there is damage, consult a qualified specialist workshop immediately.

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

In the following situations, in particular, there is a risk of damage to the vehicle:

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

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

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

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

or

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

Plug-in hybrid

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

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

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

In the event of an accident or impact to the vehicle 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 on-board electrical system are marked with yellow warning stickers. The cables of the high-voltage on-board electrical system are orange.

Vehicles with hybrid systems generate significantly less noise when stationary and when being driven than vehicles with combustion engines.

When driving in electric mode, the vehicle may not be heard by other road users due to the significantly reduced noise generated.

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

Vehicles with a 48 V on-board electrical system

⚠ **DANGER** Risk of fatal injury by touching damaged high-voltage components

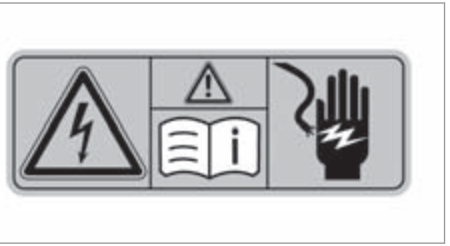
Vehicles with a 48 V on-board electrical system contain individual high-voltage components. These high-voltage components are under high voltage.

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

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

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

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



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

Declarations of conformity and notes on driving in different countries

Electromagnetic compatibility

The electromagnetic compatibility of the vehicle components has been checked and certified according to the currently valid version of Regulation UN R10.

vehicle installed radio components

Only for EU and EFTA countries and countries that recognise the EU manufacturer's declaration of conformity:

The following information applies to all wireless components of the vehicle and of the information systems and communication devices integrated in the vehicle:

The manufacturers of the wireless components ensure that all wireless components installed in the vehicle comply with Directive 2014/53/EU. The full texts of the EU declarations of conformity are available at the following web address:

https://moba.i.daimler.com/markets/ece-row/baix/cars/certificates-of-conformity/en_GB/index.html

You can obtain further information from a Mercedes-Benz service centre.

United Kingdom only:

The following information applies to all wireless components of the vehicle and of the information systems and communication devices integrated in the vehicle:

The manufacturers of the wireless components installed in the vehicle hereby declare that all wireless components installed in the vehicle comply with the Radio Regulations 2017 directive. The full texts of the declarations of conformity are available at the following web address:

https://moba.i.daimler.com/markets/ece-row/baix/cars/certificates-of-conformity/en_GB/index.html

Importer
Mercedes-Benz Cars UK Limited
Delaware Drive, Tongwell
Milton Keynes, MK15 8BA
England

Importer of Mercedes-Benz replacement parts
Mercedes-Benz Parts Logistics
Delaware Drive, Tongwell
Milton Keynes, MK15 8BA
England

For Brazil only:

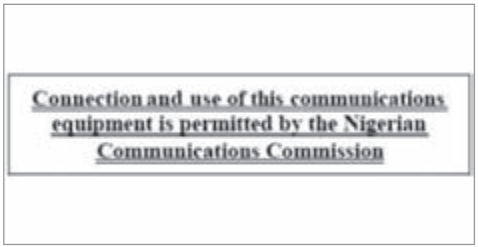


Note on two-way radio systems in the vehicle:
These systems are not protected against harmful interference and must not cause interference in properly approved systems.

For Jamaica only:
All wireless vehicle components have received type approval from the SMA.

For Moldova only:
Importer
S.C. GRAND PREMIUM S.R.L. Moldova
mun. Chisinau, str. Hîncesti sos., 2/2

For Nigeria only:



Connection and use of the radio communications equipment in this vehicle is permitted by the Nigerian Communications Commission

For Russia only:

The manufacturers of the wireless components installed in the vehicle hereby declare that all wireless components installed in the vehicle comply with the technical regulations for two-way radios. You can obtain further information from a Mercedes-Benz service centre.

For Turkey only:
Importer

Mercedes Benz Otomotiv Ticaret ve Hizmetler A.Ş. Genel Merkez

Akçaburgaz Mah. Süleyman Şah Cad. No: 6/1

34522 Esenyurt/İstanbul

Ukraine only:

The manufacturers of the wireless components installed in the vehicle hereby declare that the wireless components installed in the vehicle comply with the technical regulations for two-way radios. You can obtain further information from a Mercedes-Benz service centre.

Importer

PJSC “AUTOCAPITAL”

Velyka Vasylkivska str. 15/2

01004 Kyiv

Ukraine

Wireless applications in the vehicle

Besides the typical frequencies for mobile communication cars by Mercedes-Benz make use of the following automotive radio applications.

Wireless applications in the vehicle

Technology	Frequency range	Transmission output/magnetic field strength
Remote Keyless Entry	20 kHz (9–90 kHz)	≤ 72 dBµA/m at 10m
Wireless Power Transmission	105 kHz (90–119 kHz)	≤ 42 dBµA/m at 10m

Technology	Frequency range	Transmission output/magnetic field strength
Remote Keyless Entry	120 kHz (119–135 kHz)	≤ 42 dBµA/m at 10m
Wireless Power Transmission	127 kHz (119–135 kHz)	≤ 66 dBµA/m at 10m with the magnetic field strength level decreasing 3dB/octave above 119 kHz
Near-field communication	13.553–13.567 MHz	≤ 42 dBµA/m at 10m
Remote Keyless Entry, Garage Door Opener, Tire Pressure Monitoring	433 MHz (433.05–434.79 MHz)	≤ 10 mW ERP
Block Heater Remote Control, Garage Door Opener	868 MHz (868.0–868.6 MHz)	≤ 25 mW ERP
Block Heater Remote Control, Garage Door Opener	869 MHz (868.7–869.2 MHz)	≤ 25 mW ERP
Bluetooth, Kleer, RLAN, wireless Headphones	2.4 GHz ISM band (2400–2483.5 MHz)	≤ 100 mW EIRP
RLAN	5.1 GHz UNII-1 (5150–5250 MHz)	≤ 25 mW EIRP
Interior Monitoring Radar, RLAN	5.8 GHz UNII-3 (5725–5875 MHz)	≤ 25 mW EIRP
Remote Keyless Entry	7.25 GHz UWB (6.0–8.5 GHz)	≤ -41.3 dBm/MHz EIRP mean ≤ 0 dBm/MHz EIRP peak

Technology	Frequency range	Transmission output/magnetic field strength
76 GHz radar	76–77 GHz	≤ 55 dBm peak EIRP
Carsharing Module	**NFC:** 13.553–13.567 MHz **Bluetooth®:** 2402–2480 MHz	**NFC:** ≤ 42 dBµA/m at 10 m **Bluetooth®:** ≤ +4 dBm (class 2)
Rear Seat Entertainment System	**Bluetooth®:** 2400–2483.5 MHz **WLAN 2.4 GHZ:** 2400–2483.5 MHz **WLAN 5 GHz:** 5150–5250 MHz 5725–5875 MHz	**Bluetooth®:** -0.8 dBm **WLAN 2.4 GHZ:** 14.5 dBm **WLAN 5 GHz:** 20.5 dBm 13.3 dBm
Two-way radio (Tel7 telephone control unit)	E-GSM (900 MHz) GSM (1800 MHz)	+33 dBm +30 dBm
	UMTS (Band I, III, VIII)	+24 dBm (+1/-3 dB)
	LTE (Band 1, 3, 7, 8, 20, 28)	+23 dBm (±2 dB)

Technology	Frequency range	Transmission output/magnetic field strength
RAMSES (Router And Mobile SErviceS)	GSM (E-GSM 850 / E-GSM 900, Class 4) GSM (E-GSM 1800 / E-GSM 1900, Class 4)	< +32.5 dBm (±1 dB) < +29.5 dBm (±1 dB)
	UMTS (WCDMA FDD I, II, III, IV, V, VIII, XIX, Class 3)	< +23.5 dBm (±1 dB)
	LTE (FDD B1, B2, B3, B4, B5, B7, B8, B9, B18, B19, B21, B28, Class 3)	< +23 dBm (±1 dB)
	LTE (TDD B38, B40, B41, Class 3)	< +23 dBm (±1 dB)
	GNSS (1559–1610 MHz)	Receiving only

Information about the specific absorption rate
For France only:

The values were determined and tested in accordance with the Décret n° 2019-1186 guideline regarding the indication of the specific absorption rate (SAR) of wireless vehicle components.

Information about the specific absorption rate

Vehicle component (designation in accordance with EU DoC)	SAR value in W/kg	Applicable limit value
Radio data transmission telephone system	0.24 W/kg	2 W/kg
Hermes 2.1	< 0.4 W/kg	2 W/kg

Vehicle component (designation in accordance with EU DoC)	SAR value in W/kg	Applicable limit value
Compensator ECE DE003 & ECE DE004	< 0.2 W/kg	2 W/kg
DAI RSE	1.8 W/kg	2 W/kg
Tablet PC SM-T230NZ	0.7 W/kg	4 W/kg
NRCS2P	0.003 W/kg	2 W/kg
NTG7RSU	0.07 W/kg	2 W/kg
NTG7	0.08 W/kg	2 W/kg
RAMSES 1.0 and 1.1	0.036 W/kg	2 W/kg

Jack

Copy and translation of the original declaration of conformity:

EC declaration of conformity

1.

The undersigned, representing

Manufacturer:

BRANO a.s.

747 41 Hradec nad Moravicí, Opavská 1000,

The Czech Republic

ID No.: 64-387-5933

VAT No.: CZ64-387-5933

herewith declares under our sole responsibility that the product:

2. a)

Name:

Jack

Type, Number:

A) A 164 580 02 18, A 166 580 01 18

B) A 240 580 00 18

C) A 639 580 02 18

D) A 639 580 03 18

E) A 910 580 00 00

F) A 247 580 00 00, A 293 580 00 00

Year of manufacture: 2020

Complies with all relevant provisions

Directive No. 2006/42/EC

b)

Description and purpose of use:

Car jack is intended solely for lifting of the concrete car, in accordance with the instruction label on the car jack.

3.

References of harmonized and other standards or specifications

ISO 4063, EN ISO 14341-A, AS 2693, DBL 8230.10, DBL 7382.20, DBL 7392.10, DBL 8451.15, MBN 10435,

Technical documentation of the product is stored at the premise of the manufacturer. The person responsible for assembling the technical documentation of the product: Head of the Technical Department Brano a.s.

4.

Hradec nad Moravicí

Place

5.

05.10.2020

Date

Engineer Petr Petr

[Signature]

Director of division ZZ

TIREFIT kit

Copy and translation of the original declaration of conformity:

EC declaration of conformity

In accordance with EC Directive 2006/42/EC

We hereby declare that the product

Product designation: Daimler electric air pump

Model designation: 0851ve, DT/UW 200046 - IBK-LK2

MB part no.: A 000 583 8200

complies with the following relevant regulations:

2014/30/EU

Applied harmonised standards, in particular:

DIN EN 55014-1: 2012

DIN EN 55014-2: 2016

Manufacturer: Dunlop Tech GmbH

Address: Offenbacher Landstrasse 8, 63456 Hanau

Authorised representative: IMS dept.

Date: December 2019

Signature: IMS-AE, IMS-AE-L

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 by a specialist workshop. Diagnostic devices should therefore only be connected by a qualified specialist workshop.

⚠ **WARNING** Risk of accident due to connecting devices to the diagnostics connection

If you connect devices to the diagnostics connection of the vehicle, the function of vehicle

systems and operating safety may be impaired.

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

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

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

This jeopardises the operating and road safety of the vehicle.

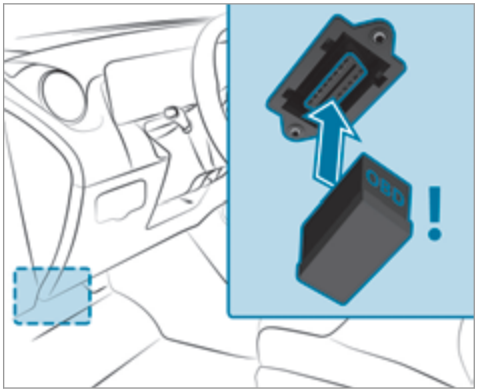
- Stow all objects in the vehicle securely so that they cannot get into the driver's footwell.
- Always fit the floor mats securely and as prescribed in order to ensure that there is always sufficient room for the pedals.
- Do not use loose floor mats and do not place floor mats on top of one another.

! 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.

Please also note the information about the 12 V battery and short-distance trips in the "Driving and Parking" chapter (→ page 172).



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.

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

Qualified specialist workshop

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

Always have the following work carried out on your vehicle at a qualified specialist workshop:

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

Mercedes-Benz recommends a Mercedes-Benz service centre.

Vehicle registration

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

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

It is possible that your vehicle has not yet been registered in your name in the following cases:

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

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

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

Correct use of the vehicle

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

Observe the following information in particular when driving your vehicle:

- the safety notes in this Owner's Manual, vehicle-specific supplements and further supplementary documents
- technical data for the vehicle
- traffic rules and regulations
- laws and safety standards pertaining to motor vehicles

Information on the REACH regulation

EU and EFTA countries only:

the REACH regulation (Regulation (EC) No. 1907/2006, Article 33) stipulates a duty to supply information about substances of very high concern (SVHCs).

Mercedes-Benz AG acts to the best of its knowledge to prevent these SVHCs from being used and to enable customers to safely handle these substances. There are SVHCs known to Mercedes-Benz AG, according to supplier information and internal product information, found in individual components of this vehicle in quantities of over 0.1 percent by weight.

Further information can be obtained at the following addresses:

- https://reach.daimler.com/de/home/
- https://reach.daimler.com/en/home/

Notes for persons with electronic medical aids

Mercedes-Benz AG cannot, despite carefully developing vehicle systems, 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, regardless of the operating status of the vehicle, can generate magnetic fields on a par with permanent magnets. These fields can be found, for example, in the area around the multimedia and sound system or also in the area of the seats, depending on the vehicle equipment.

For this reason, the following can occur in isolated cases, 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 only few electrical vehicle systems and/or maintaining a distance from the components.

Plug-in hybrid

When charging the high-voltage battery, keep a distance of at least an arm's length between the medical aid and the following components:

- the power supply equipment

  This includes charging stations in the form of a wallbox or a public charging point, for example.
- vehicle components carrying live voltage

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

Only have repairs and maintenance work in the area of the following components carried out by a qualified specialist workshop:

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

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

Implied warranty

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

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

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

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

QR code for rescue card

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

Further information can be obtained at https://www.mercedes-benz.de/qr-code.

Data storage

Data processing in the vehicle

Electronic control units

Electronic control units are fitted in your vehicle. Control units process data which, for example, they receive from vehicle sensors, generate themselves or exchange between themselves. Some control units are required for the safe operation of your vehicle, some assist you when 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 regarding exactly which data in your vehicle are collected, saved and transmitted to third parties, and for what purpose, can be found in the information directly related to the functional characteristics in question in their respective operating instructions. This information is also available online and, depending on the vehicle equipment, digitally.

Personal data

Every vehicle is identified by a unique vehicle identification number. Depending on the country, this vehicle identification number can be used by, for example, governmental authorities to determine the identity of the owner. There are other possibilities to use data collected from the vehicle to identify the owner or driver, such as the licence plate number.

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

Legal requirements regarding the disclosure of data

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

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

Operational data in the vehicle

This is data regarding the operation of the vehicle, which have been processed by control units.

This includes the following data, for example:

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

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

Depending on the vehicle equipment, the following data are stored:

- operating status of system components, such as fill levels, tyre pressure or battery status
- malfunctions or faults in important system components, such as lights or brakes
- system reactions in special driving situations, such as airbag deployment or the intervention of stability control systems
- information on events leading to vehicle damage

In certain cases, it may be required to store data that would have otherwise been used only temporarily. This may be the case if the vehicle has detected a malfunction, for example.

If you use services, such as repair services and maintenance work, stored operational data as well as the vehicle identification number can be read out and used. They can be read out 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.

In general, the readout is performed via the legally prescribed port for the diagnostics connection in the vehicle. The operational data that are read out document technical states of the vehicle or of individual components and assist in the diagnosis of malfunctions, compliance with warranty obligations and quality improvement. To that end, these data, in particular information about component loads, technical events, malfunctions and other faults may be transmitted along with the vehicle identification number to the manufacturer. Furthermore, the manufacturer is subject to product liability. For this reason the manufacturer also uses operational data from the vehicle, for example, for recalls. These data can also be used to examine the customer's warranty and guarantee claims.

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

Convenience and infotainment functions
You can store convenience settings and individual settings in the vehicle and change or reset them at any time.

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

- seat and steering wheel positions
- suspension and climate control settings
- individual settings, such as interior lighting

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

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

- multimedia data, such as music, films or photos for playback in an integrated multimedia system
- address book data for use in connection with an integrated hands-free system or an integrated navigation system
- entered navigation destinations
- data about the use of Internet services

These data for convenience and infotainment functions may be saved locally in the vehicle or they may be located on a device which you have connected to the vehicle, such as a smartphone, USB flash drive or MP3 player. If you have entered these data yourself, you can delete them at any time.

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

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

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

Online services

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

Manufacturer's services

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

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

Third party services

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

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

Data protection rights

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

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

Copyright

Information on licences 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

Restraint system

Protection provided by the restraint system

The restraint system includes the following components:

- Seat belt system
- Airbags
- Child restraint system
- Child seat securing systems

The restraint system can help prevent the vehicle occupants from coming into contact with parts of the vehicle interior in the event of an accident. In the event of an accident, the restraint system can also reduce the forces to which the vehicle occupants are subjected.

A seat belt can only provide the best level of protection if it is worn correctly. Depending on the detected accident situation, seat belt tensioners and/or airbags supplement the protection offered by a correctly worn seat belt. Seat belt tensioners and/or airbags are not deployed in every accident.

In order for the restraint system to provide the intended level of protection, each vehicle occupant must observe the following information:

- Fasten seat belts correctly.
- Sit in an almost upright seat position with their back against the seat backrest.
- Sit with their feet resting on the floor, if possible.
- Always secure persons under 1.50 m tall in an additional restraint system suitable for Mercedes-Benz vehicles.

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

Reduced restraint system protection

WARNING Risk of injury or death due to modifications to the restraint system

Vehicle occupants may no longer be protected as intended if alterations are made to the restraint system.

- Never alter the parts of the restraint system.
- Never tamper with the wiring or any electronic component parts or their software.

If it is necessary to modify the vehicle to accommodate a person with disabilities, contact a qualified specialist workshop.

Mercedes-Benz recommends that you use driving aids which have been approved for your vehicle by Mercedes-Benz.

Restraint system functionality

When the vehicle is switched on, a self-test is performed, during which the restraint system

warning lamp lights up. It goes out no later than a few seconds after the vehicle is started. The components of the restraint system are then functional.

Malfunctioning restraint system

A malfunction has occurred in the restraint system if:

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

All vehicles, except PLUG-IN HYBRID:

WARNING Risk of injury due to malfunctions in the restraint system

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

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

Plug-in hybrid:

DANGER Risk of fatal injuries due to restraint system malfunctions

Components in the restraint system may be activated unintentionally or not deploy as planned in an accident. In the event of an accident, the high-voltage on-board electrical system may not be deactivated as intended.

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

- Have the restraint system checked and repaired immediately at a qualified specialist workshop.
- After an accident, switch off the vehicle immediately.

Function of the restraint system in an accident

How the restraint system works is determined by the severity of the impact detected and the type of accident anticipated:

- Frontal impact
- Rear impact
- Side impact
- Rollover

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/deployment of the components of the restraint system must take place in good time at the start of the collision.

Factors which can only be seen and measured after a collision has occurred do not play a decisive role in the deployment of an airbag. Nor do they provide an indication of airbag deployment.

The vehicle may be deformed significantly without an airbag being deployed. This is the case if only parts which are relatively easily deformed are affected and the rate of vehicle deceleration is not high. Conversely, an airbag may be deployed even though the vehicle suffers only minor deformation. If very rigid vehicle parts such as longitudinal members are hit, this may result in sufficiently high levels of vehicle deceleration.

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

- Seat belt tensioner: frontal impact, rear impact, side impact, rollover
- Driver's airbag, front passenger airbag: frontal impact
- Knee airbag: frontal impact
- Side airbag: side impact
- Window airbag: side impact, rollover, frontal impact
- PRE-SAFE® Impulse Side: side impact

The front passenger airbag can only be deployed in an accident if the PASSENGER AIR BAG OFF indicator lamp is off. If the front passenger seat is occupied, make sure, both before and during the journey, that the status of the front passenger airbag is correct (⟶ page 54).

WARNING Risk of burns from hot airbag components

The airbag parts are hot after an airbag has been deployed.

- ▶ Do not touch the airbag parts.
- ▶ Have a deployed airbag replaced at a qualified specialist workshop as soon as possible.

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

If the seat belt tensioners are triggered or an airbag is deployed, you will hear a bang, and a small amount of powder may also be released:

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

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

Seat belts

Protection provided by the seat belt

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

WARNING Risk of injury or death due to incorrectly fastened seat belt

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

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

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

Always observe the instructions about the correct driver's seat position and adjusting the seat (→ page 103).

In order for the correctly worn seat belt to provide the intended level of protection, each vehicle occupant must observe the following information:

- The seat belt must not be twisted and must fit tightly and snugly across the body.
- The seat belt must be routed across the centre of the shoulder and as low down across the hips as possible.
- The shoulder section of the seat belt should not touch your neck nor be routed under your arm or behind your back.
- Avoid wearing bulky clothing, e.g. a winter coat.
- Push the lap belt down as far as possible across your hips and pull tight with the shoulder section of the belt. Never route the lap belt across your abdomen.

  Pregnant women must also take particular care with this.
- 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 allow babies and children to travel sitting on the lap of another vehicle occupant.
- Never secure objects with a seat belt if the seat belt is also being used by one of the vehicle's occupants. Always observe the instructions for loading the vehicle when securing objects, luggage or loads (→ page 118).

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

If children are travelling in the vehicle, be sure to observe the instructions and safety notes on "Children in the vehicle" (→ page 59).

Limitations of the protection provided by the seat belt

WARNING Risk of injury or death due to incorrect seat position

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

In particular, you may slip under the seatbelt and injure yourself.

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

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

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

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

WARNING Danger of injury or death due to blocked seat belt anchorage

The restraint effect of the seat belt is impaired if objects between the front seat and the door are blocking the movable seat belt anchorage on the front seat.

- Before starting a journey, make sure that there are no objects between the front seat and the door.

WARNING Risk of injury or death due to damaged or modified seat belts

Seat belts cannot provide protection in the following situations:

- the seat belt is damaged, has been modified, is extremely dirty, bleached or dyed
- the seat belt buckle is damaged or extremely dirty
- modifications have been made to the seat belt tensioner, seat belt anchorage or seat belt retractor

Seat belts may sustain non-visible damage in an accident, e.g. due to glass splinters.

Modified or damaged seat belts could tear or fail in the event of an accident, for example.

Modified seat belt tensioners could accidentally trigger or fail to function as intended.

- Never modify the seat belt system, for example the seat belt, seat belt buckle, seat belt tensioner, seat belt anchorage and seat belt retractor.
- Make sure that the seat belts are undamaged, not worn and clean.
- Always have the seat belts checked immediately after an accident at a qualified specialist workshop.

Mercedes-Benz recommends that you use seat belts which have been approved for your vehicle by Mercedes-Benz.

WARNING Risk of injury or death from deployed pyrotechnic seat belt tensioners

Pyrotechnic seat belt tensioners that have been deployed are no longer operational and are unable to perform their intended protective function.

- Therefore, have deployed pyrotechnic seat belt tensioners immediately replaced at a qualified specialist workshop.

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

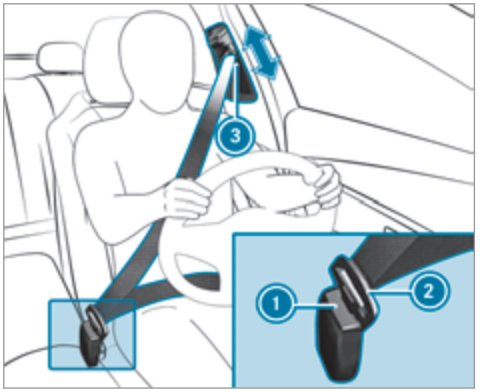
NOTE Damage caused by trapping the seat belt

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.

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.



- Always engage seat belt tongue (2) of the seat belt into seat belt buckle (1) of the corresponding seat.
- **To adjust the seat belt height:** press and hold the belt guide release and slide seat belt outlet (3) into the desired position.
- **To engage the seat belt outlet:** let go of the belt guide release and ensure that seat belt outlet (3) locks into position.

ⓘ A seat belt can only provide the best level of protection if it is worn correctly. Observe the notes on fastening the seat belt (→ page 45).

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

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

- Only buckle the seat belts as intended.

ⓘ Observe the notes on stowage areas (→ page 118).
Information on fitting a child restraint system and on children travelling in the vehicle can be found in the "Children in the vehicle" section (→ page 62).

Seat belt adjustment function

Vehicles with PRE-SAFE®: after a front seat belt has been fastened, the automatic seat belt adjustment may apply a certain tightening force. Do not hold the seat belt tightly while it is adjusting.

You can activate and deactivate the seat belt adjustment function using the multimedia system (→ page 49).

Activating/deactivating seat belt adjustment via the multimedia system

Multimedia system:

↴ ⌂ ▸▸ Settings ▸▸ Vehicle

▶ Activate or deactivate Belt adjustment.

Releasing seat belts

▶ Press the release button in the seat belt buckle and guide the seat belt back with the seat belt tongue.

Seat belt warning function for the driver and front passenger

The [🚶] seat belt warning lamp in the Instrument Display is a reminder that all vehicle occupants must wear their seat belts correctly.

In addition, a warning tone may sound.

As soon as the driver and front passenger fasten their seat belts, the seat belt warning goes out.

Function of the rear seat belt status display

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



When 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.

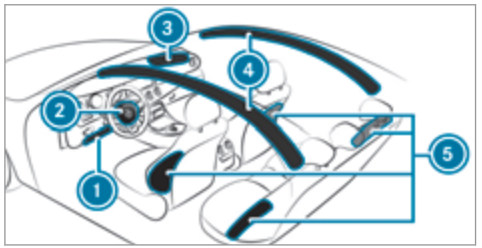
You can immediately dismiss the rear seat belt status display using the back button on the left-hand side of the steering wheel (→ page 283).

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

In addition, a warning tone may sound. In this case, the rear seat belt status display cannot be hidden using the back button on the left-hand side of the steering wheel.

Airbags

Overview of airbags



1. Knee airbag
2. Driver's airbag
3. Front passenger airbag
4. Window airbag
5. Side airbag

The installation location of an airbag is identified by the AIRBAG symbol.

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

Potential protection provided by each airbag:

- Knee airbag: thigh, knee and lower leg
- Driver's airbag, front passenger airbag: head and ribcage
- Side airbag: ribcage, also pelvis for front seat occupants
- Window airbag: head

! NOTE Mercedes-AMG vehicles

▶ Observe the notes in the Supplement. You could otherwise fail to recognise dangers.

⚠ WARNING Risk of injury or death if the co-driver airbag is enabled

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

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

When fitting a child restraint system to the front passenger seat, observe the vehicle-specific information (→ page 73). Also, always observe the notes on rearward-facing or forward-facing child restraint systems on the front passenger seat.

Information on automatic front passenger airbag shutoff

The front passenger airbag can only be deployed in an accident if the PASSENGER AIR BAG OFF indicator lamp is off. If the front passenger seat is occupied, make sure, both before and during the journey, that the status of the front passenger airbag is correct (→ page 54).

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

In an accident, the components of the restraint system may deploy unnecessarily on the front passenger side if:

- There are heavy objects on the front passenger seat.

- The seat belt tongue is engaged in the seat belt buckle of the front passenger seat and the front passenger seat is unoccupied.

▶ Stow objects in a suitable place.

▶ Only one person should use each seat belt at any one time.

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

Protective capacity of the airbags

Depending on the accident situation, an airbag may supplement the protection offered by a correctly fastened seat belt.

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

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

Each vehicle occupant must make sure of the following:

- Fasten seat belts correctly. Pregnant women must take particular care to ensure that the lap belt never lies across the abdomen.
- Adopt the correct seat position and keep as far away as possible from the airbags.
- Observe the following information.

▶ Always make sure that there are no objects between the airbag and vehicle occupant.

To avoid the risks resulting from the deployment of an airbag, each vehicle occupant must observe the following information in particular:

- Before starting your journey, adjust your seat correctly; the driver's seat and front passenger seat should be moved as far back as possible.

  When doing so, always observe the information on the correct driver's seat position (→ page 103).
- Only hold the steering wheel by the steering wheel rim. This allows the airbag to be fully deployed.
- Always lean against the seat backrest when the vehicle is in motion. Do not lean forwards or against the door or side window. You may otherwise be in the deployment area of the airbags.
- The occupants must always keep their feet on the floor. Do not put your feet on the cockpit, for example. Your feet may otherwise be in the deployment area of the airbag.
- If children are travelling in the vehicle, observe the additional notes (→ page 59).
- Always stow and secure objects correctly.

Objects in the vehicle interior may prevent an airbag from functioning correctly. Each vehicle occupant must always make sure of the following in particular:

- There are no people, animals or objects between the vehicle occupants and an airbag.
- 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 accessory parts, such as mobile navigation devices, mobile phones or cup holders, within the deployment area of an airbag, e.g. on the cockpit, on the door, on the side window or on the side trim.

  In addition, no connecting cables, tensioning straps or retaining straps must be routed or attached to the vehicle within the deployment area of an airbag. Always comply with the accessory manufacturer's installation instructions and, in particular, the notes on suitable places for installation.
- There are no heavy, sharp-edged or fragile objects in the pockets of your clothing. Store such objects in a suitable place.

Limitations of the protection provided by airbags

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

If you modify the cover of an airbag or affix objects such as stickers to it, the airbag may no longer function correctly.

- Never modify the cover of an airbag and do not affix objects to it.

The installation location of an airbag is identified by the AIRBAG symbol (→ page 50).

WARNING Risk of injury or death due to the use of unsuitable seat covers

Due to unsuitable seat covers, the airbags cannot protect vehicle occupants as intended.

In addition, the operation of the automatic front passenger airbag shutoff could be restricted.

- You should only use seat covers that have been approved for the corresponding seats by Mercedes-Benz.

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.

WARNING Risk of injury due to deployed airbag

A deployed airbag no longer offers any protection.

- Have the vehicle towed to a qualified specialist workshop in order to have the deployed airbag replaced.

Have deployed airbags replaced immediately.

Status of the front passenger front airbag

Function of the automatic front passenger airbag shutoff

The automatic front passenger airbag shutoff is able to detect whether the front passenger seat is occupied by a person or a child restraint system. The front passenger airbag is enabled or disabled accordingly.

⚠ WARNING Risk of injury or death due to objects under the co-driver seat

Objects trapped under the co-driver seat can interfere with the function of the automatic co-driver airbag shutoff or damage the system.

- ▶ Do not store any objects under the co-driver seat.
- ▶ When the co-driver seat is occupied, make sure that no objects are trapped under the co-driver seat.

When fitting a child restraint system to the front passenger seat, observe the vehicle-specific information (→ page 74). Also, always observe the notes on rearward-facing or forward-facing child restraint systems on the front passenger seat (→ page 73).

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

- Fasten seat belts correctly (→ page 45).
- Sit in an almost upright seat position with their back against the seat backrest.
- Sit with their feet resting on the floor, if possible.

The front passenger airbag may otherwise be disabled by mistake, for example, in the following situations:

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

⚠ 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:

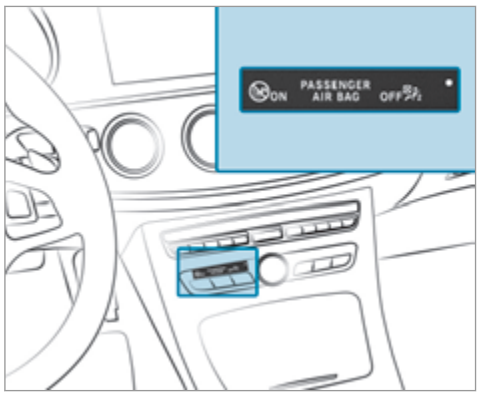
- the classification of the person in the front passenger seat is correct and the front passenger airbag is enabled or disabled in accordance with the person in the front passenger seat.
- the front passenger seat has been moved as far back as possible.
- the person is seated correctly.

- ▶ Both before and during the journey, ensure that the status of the front passenger airbag is correct.

If the front passenger seat is occupied, the classification of the person or child restraint system on the front passenger seat takes place after the front passenger airbag shutoff self-test. The PASSENGER AIR BAG indicator lamps display the status of the front passenger airbag.

Always observe the notes on the function of the PASSENGER AIR BAG indicator lamps (→ page 54).

Function of the PASSENGER AIR BAG indicator lamps



Vehicles without automatic front passenger airbag shutoff have a special sticker affixed to the side of the cockpit on the front passenger side (→ page 73).

Self-test of automatic front passenger airbag shut-off

When the vehicle is switched on, a self-test is performed during which the two PASSENGER AIR BAG ON and OFF indicator lamps light up simultaneously.

The status of the front passenger airbag is displayed via the PASSENGER AIR BAG indicator lamps after the self-test:

- **ON is lit:** the front passenger airbag may deploy during an accident.

  The indicator lamp goes out after 60 seconds.
- **ON and OFF are not lit:** the front passenger airbag may deploy during an accident.
- **OFF is lit:** the front passenger airbag is disabled. It will then not be deployed in the event of an accident.

If the PASSENGER AIR BAG ON indicator lamp is off, only the PASSENGER AIR BAG OFF indicator lamp shows the status of the front passenger airbag. The PASSENGER AIR BAG OFF indicator lamp may be lit continuously or be off.

If the PASSENGER AIR BAG OFF indicator lamp and the restraint system warning lamp light up simultaneously, the front passenger seat may not be used. Also in this case, do not fit a child restraint system to the front passenger seat. Have the automatic front passenger airbag shutoff checked and repaired immediately at a qualified specialist workshop.

Status display

If the front passenger seat is occupied, ensure, both before and during the journey, that the status of the front passenger airbag is correct for the current situation.

After fitting a rearward-facing child restraint system to the front passenger seat: PASSENGER AIR BAG OFF must be lit continuously.

⚠ **WARNING** Risk of injury or death when using a rearward-facing child restraint system while the front passenger airbag is enabled

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

The child could be struck by the airbag.

- Always ensure that the front passenger airbag is disabled. The PASSENGER AIR BAG OFF indicator lamp must be lit.
- NEVER use a rearward-facing child restraint system on a seat with an ENABLED FRONT AIRBAG. This can result in the DEATH of or SERIOUS INJURY to the CHILD.

When fitting a child restraint system to the front passenger seat, observe the vehicle-specific information (→ page 73).

Depending on the child restraint system and the stature of the child, the PASSENGER AIR BAG OFF indicator lamp may be off. In this case, do not fit the rearward-facing child restraint system to the front passenger seat.

Instead, fit the rearward-facing child restraint system to a suitable rear seat.

After fitting a forward-facing child restraint system to the front passenger seat: depending on the child restraint system and the stature of the child, PASSENGER AIR BAG OFF may be lit continuously or be off. Always observe the following information.

⚠ **WARNING** Risk of injury or death due to incorrect positioning of the forward-facing child restraint system

If you secure a child in a forward-facing child restraint system on the front passenger seat that is positioned too close to the cockpit, in the event of an accident, the child could:

- come into contact with the vehicle interior if the PASSENGER AIR BAG OFF indicator lamp is lit, for example
- be struck by the airbag if the PASSENGER AIR BAG OFF indicator lamp is off.

- Always move the front passenger seat as far back as possible and fully retract the seat cushion length adjustment. While 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 front passenger seat accordingly.
- Always comply with the child restraint system manufacturer's installation instructions.

When fitting a child restraint system to the front passenger seat, observe the vehicle-specific information (→ page 73).

If a person is sitting on the front passenger seat: PASSENGER AIR BAG OFF may be lit continuously or be off, depending on the person's stature.

A person on the front passenger seat must always observe the following information:

- If the front passenger seat is occupied by an adult or a person with a stature corresponding to that of an adult, the PASSENGER AIR BAG OFF indicator lamp must be off. This indicates that the front passenger airbag is enabled.

  If the PASSENGER AIR BAG OFF indicator lamp is lit continuously, an adult or person with a build corresponding to that of an adult must not use the front passenger seat.

  Instead, they should use a rear seat.
- If the front passenger seat is occupied by a person of smaller stature (e.g. a teenager or small adult), the PASSENGER AIR BAG OFF indicator lamp is either lit continuously or remains off, depending on the classification.
  - If the PASSENGER AIR BAG OFF indicator lamp is off: move the front passenger seat as far back as possible, or the person of smaller stature should use a rear seat.
  - If the PASSENGER AIR BAG OFF indicator lamp is lit continuously: the person of smaller stature should not use the front passenger seat.

WARNING Risk of injury or death when the PASSENGER AIR BAG OFF indicator lamp is lit

If the PASSENGER AIR BAG OFF indicator lamp remains lit after the self-test, the front passenger airbag is disabled.

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 person is seated properly with a correctly fastened seat belt.
- The front passenger seat has been moved as far back as possible.

Be sure to also observe the following further related subjects:

- Child restraint system on the front passenger seat (→ page 73)
- Suitable positioning of the child restraint system (→ page 62)

PRE-SAFE® system

Function of PRE-SAFE® (anticipatory occupant protection)

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

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

- Tightening the seat belts on the driver's seat and front passenger seat.
- Closing the side windows.
- **Vehicles with sliding sunroof:** closing the sliding sunroof.

- **Vehicles with memory function:** moving the front passenger seat to a more favourable seat position.
- **Vehicles with multicontour seat:** increasing the air pressure in 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.

Reversing the PRE-SAFE® system measures

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

You will need to perform certain settings yourself.

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

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 cannot 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.
- Activating the rear hazard warning lights at a higher flashing frequency.
- Increasing brake pressure when the vehicle is stationary. This brake application is cancelled automatically when the vehicle pulls away.

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

System limits

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

- when reversing

  or

- when the vehicle is towing a trailer and there is a risk of a rear impact

The system will not initiate any braking application in the following situations:

- whilst driving

  or

- when entering or exiting a parking space while 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 centre 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 impulse side inoperative See Owner's Manual(→ page 434) display message appears.

Safely transporting children in the vehicle

Always observe when children are travelling in the vehicle

ⓘ Also strictly observe the safety notes for the specific situation. In this way you can recognise potential risks and avoid dangers if children are travelling in the vehicle (→ page 59).

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 12 years old or under 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 fitting a child restraint system (→ page 62).

Accident statistics show that children secured on the rear seats are generally safer than children secured on the front seats. For this reason, Mercedes-Benz strongly advises that you fit a child restraint system to a rear seat.

The generic term child restraint system

The generic term child restraint system is used in this Owner's Manual. A child restraint system is, for example:

- a baby car seat
- a rearward-facing child seat
- a forward-facing child seat
- a child booster seat with a backrest and seat belt guide

  Mercedes-Benz recommends using a child booster seat with a backrest.

The child restraint system must be appropriate to the age, weight and size of the child.

Observe laws and legal requirements

Always observe the legal requirements when using a child restraint system in the vehicle.

Make sure that the child restraint system is approved in accordance with the valid test specifications and guidelines. Further information can be obtained at a qualified specialist workshop. Mercedes-Benz recommends that you use a Mercedes-Benz Service Centre for this purpose.

Only use approved child restraint systems

Only child restraint systems that meet the following UNECE standards are permitted for use in the vehicle:

- UN-R44
- UN-R129 (i-Size child restraint systems)

Information on child restraint system approval categories and details on the approval label on the child restraint system (→ page 63).

Detecting risks, avoiding danger

Securing systems for child restraint systems in the vehicle

Only use the following securing systems for child restraint systems:

- the ISOFIX or i-Size securing rings
- the vehicle's seat belt system
- the Top Tether anchorages

Fitting an ISOFIX or an i-Size child restraint system is preferred.

Simply attaching to the securing rings on the vehicle can reduce the risk of fitting the child restraint system incorrectly.

When securing a child with the integrated seat belt of the ISOFIX or i-Size child restraint system, always comply with the permissible gross weight for the child and child restraint system (→ page 66).

Advantage of a rearward-facing child restraint system

It is preferable to transport a baby or 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.

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.

⚠ **WARNING** Risk of injury or death due to unsecured child restraint systems in the vehicle

If the child restraint system is incorrectly fitted or not secured, it can come loose.

The child restraint system could be flung around and hit vehicle occupants.

- Always install child restraint systems correctly, even when not in use.

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

- Always observe the child restraint system manufacturer's installation and operating instructions as well as the vehicle-specific information:
  - Fitting the ISOFIX or i-Size child restraint system to the rear seat (→ page 66).
  - Securing the child restraint system with the seat belt on the rear seat (→ page 71).
  - Securing the child restraint system with the seat belt on the front passenger seat (→ page 74). Observe the specific instructions for the rearward-facing and forward-facing child restraint systems (→ page 73).

    If the front passenger seat is occupied, ensure, both before and during the journey, that the status of the front passenger airbag is correct for the current situation (→ page 54).
- Observe the warning labels in the vehicle interior and on the child restraint system.
- Also secure Top Tether if present.

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.

Mercedes-Benz recommends Mercedes-Benz care products for cleaning child restraint systems recommended by Mercedes-Benz.

Only use child restraint systems which are in proper working condition

⚠ **WARNING** Risk of injury or death caused by the use of damaged child restraint systems

Child restraint systems or their retaining systems that have been subjected to stress in an accident may not be able to perform their intended protective function.

It may be the case that the child cannot be properly restrained.

▶ Always immediately replace child restraint systems that have been damaged or involved in an accident.

▶ Have the securing systems for the child restraint systems checked at a qualified specialist workshop before installing a child restraint system again.

Avoid direct sunlight

WARNING Risk of burns when the child seat is exposed to direct sunlight

If the child restraint system is exposed to direct sunlight or heat, parts could heat up.

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

- ▶ Always make sure that the child restraint system is not exposed to direct sunlight.
- ▶ Protect the child restraint system with a blanket, for example.
- ▶ If the child restraint system has been exposed to direct sunlight, allow it to cool before securing a child into it.
- ▶ Never leave children unattended in the vehicle.

Observe when stopping or parking

WARNING Risk of accident and injury due to leaving children 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 by, for example:

- releasing the parking brake.
- changing the transmission 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 vehicle key out of the reach of children.

WARNING Danger to life due to exposure to extreme heat or cold in the vehicle

If people, particularly children, are exposed to extreme temperatures over an extended period of time, there is a risk of serious injury or danger to life.

- ▶ Never leave persons, children in particular, unattended in the vehicle.

Overview of recommended child restraint systems

ⓘ Further information on the correct child restraint system can be obtained at a qualified specialist workshop. Mercedes-Benz recommends that you use a Mercedes-Benz Service Centre for this purpose.

Securing with ISOFIX

Weight category 0+ (up to 13 kg and up to approx. 15 months)

Type[1]	BABY SAFE plus
Size category	E
Approval	E1 04 301 146
Order number[2]	B6 6 86 8224
1 Manufacturer: Britax Römer.	2 With colour code 9H95.

Weight category I (9 to 18 kg and from approximately 9 months to 4 years)

Type[1]	DUO plus
Size category	B1
Approval	E1 04 301 133
Order number[2]	A 000 970 43 02
1 Manufacturer: Britax Römer.	2 With colour code 9H95.

Securing with the vehicle seat belt

Weight category 0 (up to 10 kg and approximately 6 months) and weight category 0+ (up to 13 kg and approximately 15 months)

Type[1]	BABY SAFE plus II
Approval	E1 04 301 146
Order number[2]	A 000 970 38 02
1 Manufacturer: Britax Römer.	2 With colour code 9H95.

Weight category I (9 to 18 kg and from approximately 9 months to 4 years)

Type[1]	DUO plus
Approval	E1 04 301 133
Order number[2]	A 000 970 43 02
1 Manufacturer: Britax Römer.	2 With colour code 9H95.

Weight category II/III (15 to 36 kg and from approximately 3 to 12 years)

Type[1]	KIDFIX XP
Approval	E1 04 301 304
Order number[2]	A 000 970 49 02
Type[1]	**AMG KIDFIX XP**
Approval	E1 04 301 304
Order number[2]	A 000 970 33 02
1 Manufacturer: Britax Römer.	2 With colour code 9H95.

Overview of suitable seats in the vehicle for fitting a child restraint system

Left/right rear seat

Preferred securing system:

ISOFIX child seat securing system (→ page 65)

or

i-Size child seat securing system (→ page 66)

Also secure Top Tether if present (→ page 69).

Alternative securing system:

Vehicle seat belt (→ page 70)

Also secure Top Tether if present (→ page 69).

Front passenger seat

Securing system:

Vehicle seat belt (→ page 70)

Be sure to observe:

- If the front passenger seat is occupied, ensure, both before and during the journey, that the status of the front passenger airbag is correct for the current situation (→ page 54).
- Notes on automatic front passenger airbag shutoff (→ page 53).

Centre rear seat

Securing system:

Vehicle seat belt (→ page 70)

Approval categories for child restraint systems

Only use approved child restraint systems

Only child restraint systems that meet the following UNECE standards are permitted for use in the vehicle:

- UN-R44
- UN-R129 (i-Size child restraint systems)

Identification on the child restraint system

Information about the approval category, weight category and approval number, for example, is on the approval label on the child restraint system.

There may be further information such as the ISO-FIX size categories, depending on the approval category of the child restraint system.

Approval categories in accordance with UN-R44



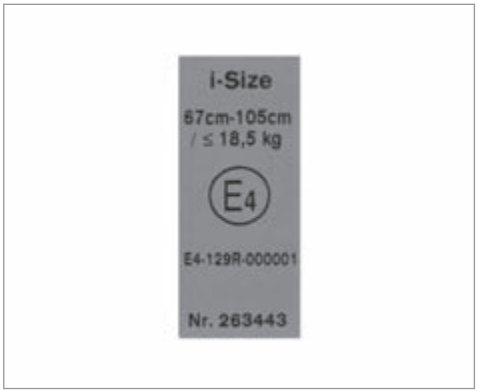
Example of an approval label

- **Universal:** child restraint systems in the "Universal" category are approved for installation in vehicles. They can be used, in accordance with overviews of the suitability of seats for securing child restraint systems, on seats labelled U, UF or IUF.

The identification IUF refers to ISOFIX child restraint systems in the "Universal" category. These child restraint systems must also be secured using Top Tether or support points.

- **Semi-Universal:** child restraint systems in the "Semi-Universal" category may only be used if the vehicle and vehicle seat are listed in the child restraint system manufacturer's vehicle model list.
- **Vehicle-specific:** child restraint systems in the "vehicle-specific" category may only be used if the vehicle and vehicle seat are listed in the child restraint system manufacturer's vehicle model list.

Approval categories in accordance with UN-R129



Example of an approval label

- **i-Size:** child restraint systems in the "i-Size" category are approved for installation in vehicles with i-Size mounting brackets. They can be used, in accordance with overviews of the suitability of seats for securing child restraint systems, on seats labelled i-U.

The identification i-U refers to i-Size child restraint systems in the "Universal" category. These child restraint systems must also be secured using Top Tether or support points.

Observe the suitability of vehicle seats

Depending on the approval category, there are forward-facing and rearward-facing child restraint systems. Their use can be restricted for certain vehicle seats:

- Suitability of seats for attaching ISOFIX child restraint systems (→ page 65)
- Suitability of seats for securing i-Size child restraint systems (→ page 66).
- Suitability of seats for attaching belt-secured child restraint systems (→ page 70)

Fitting an ISOFIX or i-Size child restraint system on the left and right rear seats

Overview of suitability of the seats for attaching ISOFIX child restraint systems

ISOFIX is a standardised securing system for specially designed child restraint systems.

The symbol indicates seats suitable for attaching an ISOFIX child restraint system in accordance with UN R44 (→ page 63).

Attach only child restraint systems that are approved in accordance with UN R44 as per the following ISOFIX tables.

Carry cot

Size class – Equipment	Left/right rear seat
F – ISO/L1	X
G – ISO/L2	X

X Not suitable for an ISOFIX child restraint system in this weight group and/or size class.

Weight group 0 (up to 10 kg and up to approx. 6 months)

Size class – Equipment	Left/right rear seat
E – ISO/R1	IL

IL Suitable for ISOFIX child restraint systems according to the table in "Overview of the recommended child restraint systems", or if the vehicle and the seat are listed on the child restraint system manufacturer's vehicle model list.

Weight group 0+ (up to 13 kg and up to approx. 15 months)

Size class – Equipment	Left/right rear seat
E – ISO/R1	IL
D – ISO/R2	IL
C – ISO/R3	IL (1)

IL Suitable for ISOFIX child restraint systems according to the table in "Overview of the recommended child restraint systems", or if the vehicle and the seat are listed on the child restraint system manufacturer's vehicle model list.

(1) When using a child restraint system of size class (ISO/R3), move the front seat into the highest position. Make sure that the seat backrest of the front seat does not rest against the child restraint system.

Weight group 1 (9–18 kg and approx. 9 months to 4 years)

Size class – Equipment	Left/right rear seat
D – ISO/R2	IL
C – ISO/R3	IL (1)
B – ISO/F2	IUF

Size class – Equipment	Left/right rear seat
B1 – ISO/F2X	IUF
A – ISO/F3	IUF

IL Suitable for ISOFIX child restraint systems according to the table in "Overview of the recommended child restraint systems", or if the vehicle and the seat are listed on the child restraint system manufacturer's vehicle model list.

IUF Suitable for forward-facing ISOFIX child restraint systems of the "Universal" category in this weight group.

(1) When using a child restraint system of size class (ISO/R3), move the front seat into the highest position. Make sure that the seat backrest of the front seat does not rest against the child restraint system.

Overview of suitability of the seats for attaching i-Size child restraint systems

i-Size is a standardised securing system for specially designed child restraint systems.

The symbol indicates seats suitable for attaching an i-Size child restraint system in accordance with UN R129 (→ page 63).

Child restraint systems that are permitted in accordance with UN R44 as per the ISOFIX tables (→ page 65) or UN R129 as per the following i-Size tables may be attached.

i-Size child restraint systems (ISO/R2, ISO/F2X)

Front passenger seat	Left/right rear seat
X	i-U
X Not suitable for an i-Size child restraint system in the "Universal" category.	i-U Suitable for forward-facing and rearward-facing i-Size child restraint systems in the "Universal" category.

Fitting the ISOFIX or i-Size child restraint system on the left and right rear seats

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

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

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

▶ Make sure that the rear bench seat, the rear seat and the seat backrest are engaged before every trip.

If the left and right seat backrests are not engaged and locked in place, this will be shown on the display on the instrument cluster.

If the centre seat backrest is not engaged and locked in place, the red lock verification indicator will be visible.

⚠ **WARNING** Risk of injury or death if the permissible gross mass of the child and child restraint system together is exceeded.

Too much load may be placed on the ISOFIX or i-Size child restraint systems and the child may not be restrained correctly in the event of an accident, for example.

- ▶ If the child and the child restraint system together weigh more than 33 kg, only use an ISOFIX or i-Size child restraint system with which the child is secured with the vehicle seat belt.
- ▶ Also secure the child restraint system with the Top Tether belt, if available.

Always comply with the information about the mass of the child restraint system:

- in the manufacturer's installation and operating instructions for the child restraint system used
- on a label on the child restraint system, if present

Regularly check that the permissible gross mass of the child and child restraint system is still complied with.

When fitting a child restraint system, observe the following:

☑ Always observe the correct use of the seats and consider their suitability for attaching a child restraint system.

ISOFIX child seat securing system (→ page 65)

or

i-Size child seat securing system (→ page 66)

☑ Always comply with the manufacturer's installation and operating instructions for the child restraint system used.

☑ Make sure that the child's feet do not touch the front seat. If necessary, move the front seat slightly forwards.

When fitting an ISOFIX child restraint system, also observe the following:

☑ **When using a baby car seat in weight group 0/0+ and a rearward-facing child restraint system in weight group 1 on a rear seat:** adjust the front seat so that the seat does not touch the child restraint system.

☑ **When using a forward-facing child restraint system in weight group 1:** remove the head restraint from the respective seat, if possible. In addition, the 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 head restraint immediately and adjust all head restraints correctly.

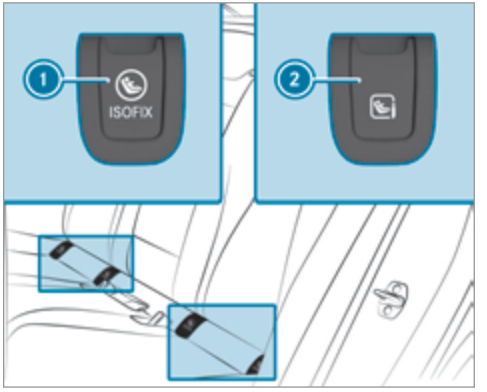
- ☑ If the head restraint of the child seat cannot be fully extended when it is installed in the vehicle, this will result in restrictions on the maximum size setting for child restraint systems in weight group 2 or 3.

  Contact with the roof when the head restraint is fully extended and locked in place will not result in any restrictions on use.
- ☑ The child restraint system must not be put under strain between the roof and the seat cushion and/or be fitted facing the wrong direction. Where possible, adjust the seat cushion inclination accordingly.
- ☑ The child restraint system must not be put under strain by the head restraint. Adjust the head restraints as appropriate.

When fitting an i-Size child restraint system, also observe the following:

- ☑ **When using a rearward-facing child restraint system:** adjust the front seat so that it does not touch the child restraint system.
- ☑ **When using a forward-facing child restraint system:** remove the head restraint from the respective seat, if possible. In addition, the 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 head restraint immediately and adjust all head restraints correctly.



1 ISOFIX mounting bracket
2 i-Size mounting bracket

Before every journey, make sure that the ISOFIX child restraint system or the i-Size child restraint system is engaged correctly in both mounting brackets in the vehicle.

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

- Make sure that the seat belt is not trapped.

- Remove and stow away covers (1) or (2).
- Attach the ISOFIX or i-Size child restraint system to both mounting brackets in the vehicle.
- After removing the child seat, reattach covers (1) or (2).

Fastening a Top Tether

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

The rear seat backrests may fold forwards when you are driving.

As a result, child restraint systems will no longer be able to perform their intended protective function. This may also cause additional injuries.

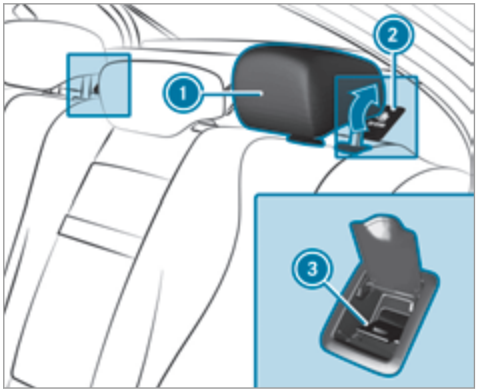
- Always lock rear seat backrests after fitting Top Tether belts.
- Observe the lock verification indicator.

If the left and right seat backrests are not engaged and locked in place, this will be shown on the display on the instrument cluster.

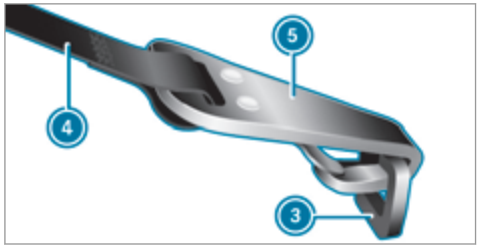
If the centre seat backrest is not engaged and locked in place, the red lock verification indicator will be visible.

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

The risk of injury may be reduced by Top Tether. The Top Tether belt enables an additional connection between the child restraint system attached with ISOFIX or i-Size and the vehicle.



- If necessary, slide head restraint (1) upwards (→ page 109).
- Fold up cover (2) of Top Tether anchorage (3).
- Fit the ISOFIX or i-Size child restraint system with Top Tether. In doing so, comply with the child restraint system manufacturer's installation instructions.



- Guide Top Tether belt (4) under head restraint (1) between the two head restraint bars.
- Hook Top Tether hook (5) of Top Tether belt (4) into Top Tether anchorage (3) without twisting.
- Tension Top Tether belt (4). In doing so, comply with the child restraint system manufacturer's installation instructions.
- Fold down cover (2) of Top Tether anchorage (3).
- If necessary, slide head restraint (1) downwards (→ page 109). Make sure that you do not interfere with the correct routing of Top Tether belt (4).

Securing the child restraint system with the seat belt

Notes on the suitability of seats for attaching belt-secured child restraint systems

Rear seats

Weight category 0: up to 10 kg	
Left/right rear seat	U, L
Centre rear seat[1]	U, L
Weight category 0+: up to 13 kg	
Left/right rear seat	U, L
Centre rear seat[1]	U, L
Weight category I: 9 to 18 kg	
Left/right rear seat	U, L
Centre rear seat[1]	U, L
Weight category II: 15 to 25 kg	
Left/right rear seat	U, L
Centre rear seat[1]	U
Weight category III: 22 to 36 kg	
Left/right rear seat	U, L
Centre rear seat[1]	U
1 Child restraint systems with a supporting bracket are not suitable for this seat.	
U Suitable for child restraint systems of the "Universal" category in this weight category.	
L Suitable for semi-universal child restraint systems according to the table in "Recommended child restraint systems", or if the vehicle and the seat are listed in the child restraint system manufacturer's vehicle model list.	

Notes on child restraint systems on the front passenger seat

- If it is absolutely necessary for you to fit a child restraint system to the front passenger seat, be sure to observe the information on child restraint systems on the front passenger seat (→ page 74).

- Observe the specific instructions for the rearward-facing and forward-facing child restraint systems. If the front passenger seat is occupied, ensure, both before and during the journey, that the status of the front passenger airbag is correct for the current situation (→ page 54).

Front passenger seat

Weight category 0: up to 10 kg	
Front passenger airbag enabled[1]	X
Front passenger airbag disabled[1, 2]	U, L
Weight category 0+: up to 13 kg	
Front passenger airbag enabled[1]	X
Front passenger airbag disabled[1, 2]	U, L
Weight category I: 9 to 18 kg	
Front passenger airbag enabled[1]	UF, L
Front passenger airbag disabled[1, 2]	U, L
Weight category II: 15 to 25 kg	
Front passenger airbag enabled[1]	UF, L
Front passenger airbag disabled[1, 2]	U, L
Weight category III: 22 to 36 kg	
Front passenger airbag enabled[1]	UF, L
Front passenger airbag disabled[1, 2]	U, L
1 Adjust the seat cushion inclination so that the front edge of the seat cushion is in the highest position and the rear edge of the seat cushion is in the lowest position.	
2 The vehicle is equipped with automatic front passenger airbag shutoff. The PASSENGER AIR BAG OFF indicator lamp must be lit.	
X Not suitable for children in this weight category.	
U Suitable for child restraint systems of the "Universal" category in this weight category.	
L Suitable for semi-universal child restraint systems according to the table in "Recommended child restraint systems", or if the vehicle and the seat are listed in the child restraint system manufacturer's vehicle model list.	
UF Suitable for forward-facing child restraint systems of the "Universal" category in this weight category.	

Securing the child restraint system with the seat belt on the rear seat

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

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

- As a result, the vehicle occupant will be pressed into the seat belt with increased force. The seat belt will not be able to protect as intended and could cause additional injury.

- Objects or loads in the boot or load compartment cannot be restrained by the seat backrest.

▶ Make sure that the rear bench seat, the rear seat and the seat backrest are engaged before every trip.

If the left and right seat backrests are not engaged and locked in place, this will be shown on the display on the instrument cluster.

If the centre seat backrest is not engaged and locked in place, the red lock verification indicator will be visible.

When fitting a belt-secured child restraint system, observe the following:

☑ Always comply with the manufacturer's installation and operating instructions for the child restraint system used.

☑ For a child restraint system in the "Universal" or "Semi-Universal" category, make sure that the system has been approved for the vehicle seat.

Observe the notes under "Suitability of seats for attaching belt-secured child restraint systems" (→ page 70).

☑ **When using a weight category 0/0+ baby car seat and a weight category I rearward-facing child restraint system on a rear seat:** adjust the front seat so that the seat does not touch the child restraint system.

☑ **When using a weight category I forward-facing child restraint system:** remove the head restraint from the respective seat, if possible.

After the child restraint system has been removed, replace the head restraint immediately and adjust all head restraints 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.

☑ If the head restraint of the child seat cannot be fully extended when it is installed in the vehicle, this will result in restrictions on the maximum size setting for child restraint systems in weight category II or III.

Contact with the roof when the head restraint is fully extended and locked in place will not result in any restrictions on use.

☑ The child restraint system must not be put under strain between the roof and the seat cushion and/or be fitted facing the wrong direction. Where possible, adjust the seat cushion inclination accordingly.

☑ The child restraint system must not be put under strain by the head restraint. Adjust the head restraints as appropriate.

☑ Make sure that the child's feet do not touch the front seat. If necessary, move the front seat slightly forwards.

▶ Install the child restraint system.
The entire base of the child restraint system must always rest on the seat surface of the rear 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 forward from the seat belt outlet.

Notes on vehicles without automatic front passenger airbag shutoff



Sticker visible when the front passenger door is open

Vehicles without automatic front passenger airbag shutoff have a special sticker affixed to the side of the cockpit on the front passenger side.

Make sure you observe the following information:

- Never fit a rearward-facing child restraint system to the front passenger seat
- Always fit a rearward-facing child restraint system to a suitable rear seat
  - Seats suitable for attaching belted child restraint systems (⟶ page 70).
  - Secure the child restraint system with the seat belt on the rear seat (⟶ page 71).
- Notes on rearward-facing and forward-facing child restraint systems on the front passenger seat (⟶ page 73)

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

⚠ **WARNING** Risk of injury or death when using a rearward-facing child restraint system while the front passenger airbag is enabled

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

The child could be struck by the airbag.

- ▶ Always ensure that the front passenger airbag is disabled. The PASSENGER AIR BAG OFF indicator lamp must be lit.
- ▶ NEVER use a rearward-facing child restraint system on a seat with an ENABLED FRONT AIRBAG. This can result in the DEATH of or SERIOUS INJURY to the CHILD.

Observe the specific instructions for the rearward-facing and forward-facing child restraint systems (⟶ page 74).



Warning notice on the front passenger sun visor

Always observe the status of the front passenger airbag on the PASSENGER AIR BAG OFF indicator lamp:

- If it is absolutely necessary to fit a child restraint system to the front passenger seat, always observe the information on automatic front passenger airbag shutoff (⟶ page 53).
- When using a rearward-facing child restraint system on the front passenger seat, the front passenger airbag must always be disabled. This is only the case if the PASSENGER AIR BAG OFF indicator lamp is lit continuously (⟶ page 54).
- If the PASSENGER AIR BAG OFF indicator lamp is off, the front passenger airbag is enabled. The front passenger airbag may deploy during an accident.

Securing the child restraint system with the seat belt on the front passenger seat

When fitting a belt-secured child restraint system on the front passenger seat, always observe the following:

- ☑ Observe the notes on rearward-facing and forward-facing child restraint systems on the front passenger seat (⟶ page 73).
- ☑ Observe the child restraint system manufacturer's installation and operating instructions.
- ☑ For a child restraint system in the "Universal" or "Semi-Universal" category, make sure that the system has been approved for the vehicle seat.

  Observe the notes under "Suitability of seats for attaching belt-secured child restraint systems" (⟶ page 70).
- ☑ When using a forward-facing child restraint system in weight category I: remove the head restraint from the respective seat, if possible.

  After the child restraint system has been removed, replace the head restraint immediately and adjust all head restraints 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.
- ☑ If the head restraint of the child seat cannot be fully extended when it is installed in the vehicle, this will result in restrictions on the maximum size setting for child restraint systems in weight category II or III.

  Contact with the roof when the head restraint is fully extended and locked in place will not result in any restrictions on use.
- ☑ The child restraint system must not be put under strain between the roof and the seat cushion and/or be fitted facing the wrong direction.

☑ The child restraint system must not be put under strain by the head restraint. Adjust the head restraints as appropriate.

☑ Never place objects (e.g. cushions) under or behind the child restraint system.

WARNING Risk of injury or death due to objects between the seat surface and the child restraint system

Objects between the seat surface and the child restraint system could affect the function of the automatic front passenger airbag shut-off.

- Do not place any objects between the seat surface and the child restraint system.
- Always make sure that the child restraint system is correctly fitted.

- Set the front passenger seat as far back as possible and move the seat into the highest position if possible.
- Fully retract the seat cushion length adjustment.
- Adjust the seat cushion inclination so that the front edge of the seat cushion is in the highest position and the rear edge of the seat cushion is in the lowest position.
- Set the seat backrest to the most vertical position possible.
- Install the child restraint system.
  The entire base of the child restraint system must always rest on the sitting surface of the front passenger 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 and downwards from the seat belt outlet.
- If necessary, adjust the seat belt outlet and the front passenger seat accordingly.

Child safety locks

Activating or deactivating the child safety lock for the rear doors

WARNING Risk of accident and injury due to leaving children 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 by, for example:

- releasing the parking brake.
- changing the transmission 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 vehicle key out of the reach of children.

WARNING Danger to life due to exposure to extreme heat or cold in the vehicle

If people, particularly children, are exposed to extreme temperatures over an extended period of time, there is a risk of serious injury or danger to life.

- Never leave persons, children in particular, unattended in the vehicle.

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

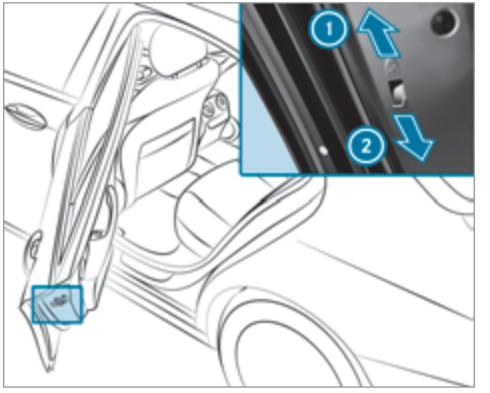
If children are travelling in the vehicle, they could, in particular:

- open doors, thereby endangering other persons or road users.
- get out and be struck by oncoming traffic.
- operate vehicle equipment and become trapped, for example.

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

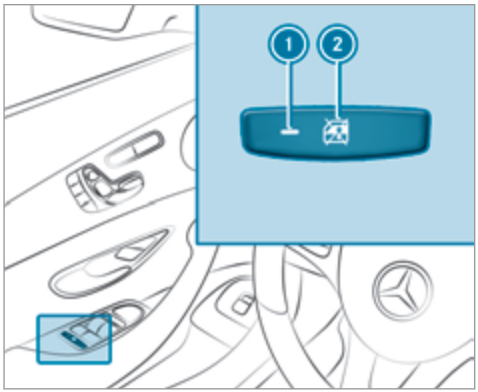
Vehicles for the United Kingdom: observe the important safety notes in the "Notes on the additional door lock" section.

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).
- Make sure that the child safety locks are working properly.

Activating and 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 in the following cases:

- indicator lamp (1) is lit: via the switch on the driver's door
- indicator lamp (1) is off: via the switch on the corresponding rear door or driver's door

Notes on pets in the vehicle

⚠ **WARNING** Risk of accident and injury due to animals left unsecured or unattended in the vehicle

If you leave animals in the vehicle unattended or unsecured, they could press buttons or switches, for instance.

An animal may:

- activate vehicle equipment and become trapped, for example
- switch systems on or off and endanger other road users

Unsecured animals may be thrown about the vehicle in the event of an accident, or sudden steering and braking manoeuvres, and injure vehicle occupants.

▶ Never leave animals unattended in the vehicle.

▶ Always correctly secure animals while driving, e.g. using a suitable animal carrier.

Key

Overview of key functions

WARNING Risk of accident and injury due to leaving children 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 by, for example:

- releasing the parking brake.
- changing the transmission position.
- starting the vehicle.

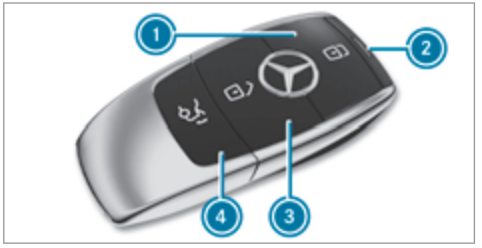
▶ Never leave children unattended in the vehicle.

▶ When leaving the vehicle, always take the key with you and lock the vehicle.

▶ Keep the vehicle key out of the reach of children.

NOTE Damage to the key caused by magnetic fields

▶ Keep the key away from strong magnetic fields.



Vehicle key

1 Locks
2 Indicator lamp
3 Unlocks
4 Opens/closes the boot lid

ⓘ If indicator lamp 2 does not light up after pressing the [ ] or [ ] button, the battery is weak or possibly discharged. Replace the battery as soon as possible.

Replace the key battery (→ page 80).

The key locks and unlocks the following components:

- Doors
- Fuel filler flap
- Socket flap (plug-in hybrid)
- Boot lid

If the vehicle is not opened within approximately 40 seconds after unlocking, it locks again. Anti-theft protection is primed again.

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

Activating/deactivating the acoustic locking verification signal

Multimedia system:

→ ⌂ ▸▸ Settings ▸▸ Vehicle

▶ Activate or deactivate Acoustic lock.

ⓘ **Please observe:**
The selected setting for the acoustic locking verification signal must comply with the relevant national road and traffic regulations. In some countries, including Germany, using the acoustic locking verification signal is forbidden by traffic laws (in accordance with §16 Para. 1 and §30 Para. 1 of the German national road traffic regulations). The driver of the vehicle must comply with these regulations. In countries where the use of this function is forbidden, this function is not activated in the vehicle and must not be activated.

Changing the unlocking settings

Possible unlocking functions of the key:

- Central unlocking
- Unlocking the driver's door and fuel filler flap
- **Plug-in hybrid:** unlocking the driver's door and fuel filler flap/socket flap

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

Options if the unlocking function for the driver's door and fuel filler flap has been selected:

- **To unlock the vehicle centrally:** press the 🔓 button twice.
- **Vehicles with KEYLESS-GO:** if you touch the inner surface of the door handle on the driver's door, only the driver's door and the fuel filler flap are unlocked.

Options if the unlocking function for the driver's door and fuel filler flap/socket flap has been selected (plug-in-hybrid):

- **To unlock the vehicle centrally:** press the 🔓 button twice.
- **Vehicles with KEYLESS-GO:** if you touch the inner surface of the door handle on the driver's door, only the driver's door and the fuel filler flap/socket flap are unlocked.

Deactivating the function of the key

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

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

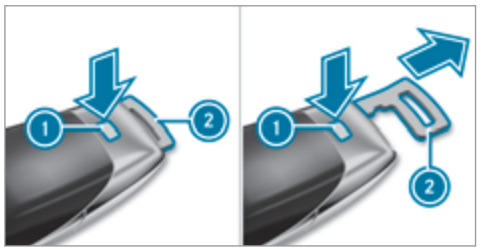
▶ **To deactivate:** press the 🔒 button on the key twice in quick succession.
The key indicator lamp flashes twice briefly and lights up once.

▶ **To activate:** press any button on the key.

ⓘ When the vehicle is started with the key in the stowage compartment of the centre console, the function of the key is automatically activated (→ page 168).

Removing/inserting the emergency key

Removing the emergency key



- Press release button (1). Emergency key (2) is pushed out slightly.
- Pull out emergency key (2) until it engages in the intermediate position.
- Press release button (1) again and fully remove emergency key (2).

Inserting the emergency key

- Press release button (1).
- Insert emergency key (2) to the intermediate position or fully until it engages.

ⓘ You can use the intermediate position of 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. Swallowing batteries may cause severe internal burns to occur within two hours.

There is a risk of fatal injury.

- Keep batteries out of the reach of children.
- If the cap and/or the battery compartment does not close securely, do not use the key any longer and keep it out of the reach of children.
- If batteries are swallowed, 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.

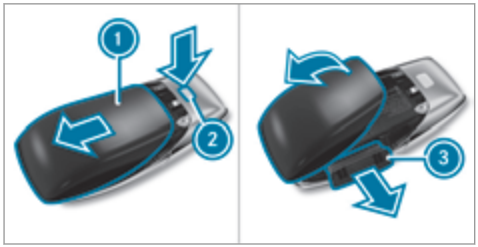
- Dispose of batteries in an environmentally responsible manner. Take discharged batteries to a qualified specialist workshop or to a collection point for used batteries.

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 80).



- ▶ Press release knob (2) down fully and slide cover (1) in the direction of the arrow.
- ▶ Fold out cover (1) in the direction of the arrow and remove.
- ▶ Remove battery compartment (3) and take out the discharged battery.
- ▶ Insert the new battery into battery compartment (3). Observe the positive pole marking in the battery compartment and on the battery when doing this.
- ▶ Push in battery compartment (3).
- ▶ Re-attach cover (1) and push it until it engages.

Problems with the key, troubleshooting

You can no longer lock or unlock the vehicle

Possible causes:

- The key battery is weak or discharged.

- ▶ Check the battery using the indicator lamp (→ page 78).
- ▶ Replace the key battery, if necessary (→ page 80).
- ▶ Use the replacement key.
- ▶ Use the emergency key to lock or unlock (→ page 85).
- ▶ Have the key checked at a qualified specialist workshop.

There is interference from a powerful radio signal source

Possible causes if the function of the key is impaired:

- high voltage power lines
- mobile phones
- electronic devices (notebooks, tablets)
- shielding due to 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.

Doors

Notes on the additional door lock

The additional door lock is only available for vehicles for the United Kingdom.

WARNING Risk of injury to persons inside the vehicle when the additional door lock is activated

If the additional door lock is activated, the doors can no longer be opened from the inside.

- Never leave persons, in particular children, unattended in the vehicle.
- If there are persons in the vehicle, do not activate the additional door lock.

The additional door lock is automatically activated in the following situations:

- The vehicle is locked using the key.
- The vehicle is locked using KEYLESS-GO.

If the vehicle has been locked via Mercedes me connect, the additional door lock is not activated (→ page 342).

If the additional door lock is activated, the doors cannot be opened from the inside.

ⓘ After locking you can issue a signal with the horn.

You can prevent the additional door lock from being activated by deactivating interior protection before locking the vehicle (→ page 102).

Unlocking/opening the doors from the inside

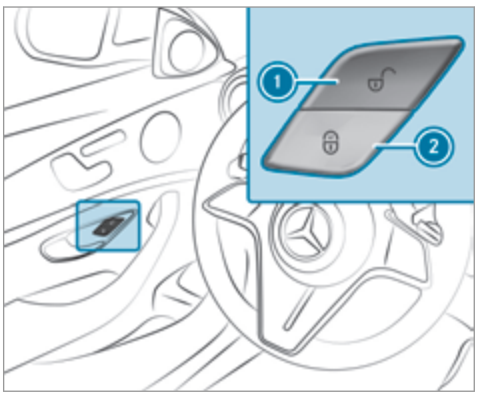
- **United Kingdom only:** observe the notes on the additional door lock (→ page 81).



- Pull door handle 2.

Locking pin 1 pops up when the door is unlocked.

Centrally locking and unlocking the vehicle from the inside



- **To unlock:** press button 1.
- **To lock:** press button 2.

This does not lock or unlock the fuel filler flap.

Plug-in hybrid: the socket flap is also locked and unlocked. The socket flap can be opened even if a key is detected in the car.

The vehicle is not unlocked:

- if you have locked the vehicle using the key
- if you have locked the vehicle using KEYLESS-GO

Locking/unlocking the vehicle with KEYLESS-GO

Requirements:

- The key is outside the vehicle.
- The distance between the key and the vehicle does not exceed 1 m.
- The driver's door and the door on which the door handle is used are closed.

NOTE Damage to the vehicle caused by unintentionally opening the boot lid

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

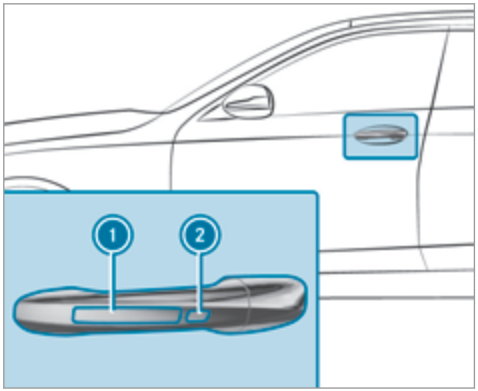
▶ Deactivate the function of the key in these situations.

or

▶ Make sure that the key is at a minimum distance of 3 m away from the vehicle.

Observe the notes:

- on washing the vehicle in a car wash (→ page 367)
- on using a high pressure cleaner (→ page 368)



▶ **To unlock the vehicle:** touch the inner surface of the door handle.

▶ **To lock the vehicle:** touch sensor surface 1 or 2.

▶ **Convenience closing:** touch recessed sensor surface 2 until the closing process has been completed.

ⓘ Further information on convenience closing (→ page 93).

If you open the boot lid from outside, the boot lid is automatically unlocked.

Problems with KEYLESS-GO, troubleshooting

You can no longer lock or unlock the vehicle using KEYLESS-GO

Possible causes:

- The function of the key has been deactivated.
- The key battery is weak or discharged.

▶ Activate the function of the key (→ page 79).
▶ Check the battery using the indicator lamp (→ page 78).
▶ Replace the key battery, if necessary (→ page 80).
▶ Use the replacement key.
▶ Use the emergency key to lock or unlock (→ page 85).
▶ Have the vehicle and key checked at a qualified specialist workshop.

There is interference from a powerful radio signal source

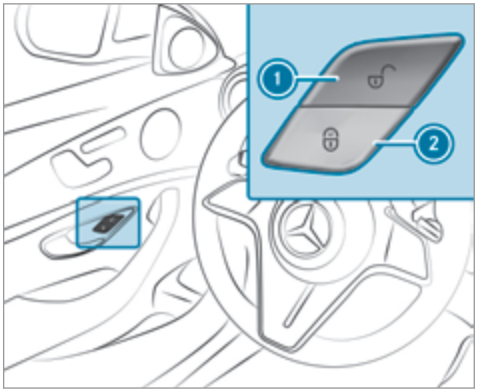
Possible causes if the function of KEYLESS-GO is impaired:

- high voltage power lines
- mobile phones
- electronic devices (notebooks, tablets)
- shielding due to 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.

Activating/deactivating the automatic locking feature

The vehicle is locked automatically when the vehicle is switched on and the wheels are turning faster than walking pace.



▶ **To activate:** press and hold button 2 for approximately five seconds until an acoustic signal sounds.
▶ **To deactivate:** press and hold button 1 for approximately five seconds until an acoustic signal sounds.

In the following situations, there is a danger of being locked out when the function is activated:

- while the vehicle is being tow-started or pushed
- if the vehicle is being tested on a roller dynamometer

Power closing function

WARNING Risk of becoming trapped when the doors close automatically

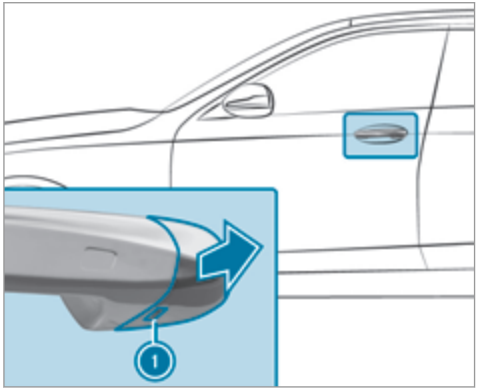
Body parts or objects can become trapped, causing injuries.

- Ensure that no body parts or objects are in the closing area.
- Automatic closing of the doors can be cancelled by pulling the outer or inner door handle.

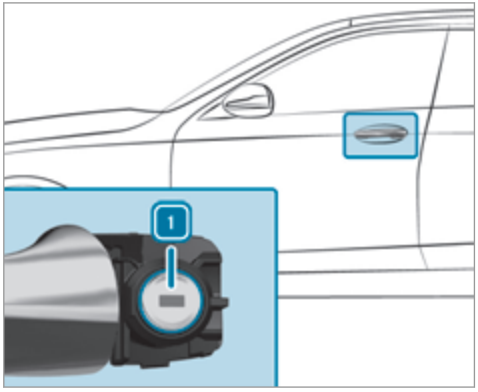
If you push the door into the lock to the first detent position, the power closing function will automatically pull the door into the lock.

Locking/unlocking the driver's door with the emergency key

ⓘ If you wish to lock the vehicle entirely using the emergency key, first press the button for locking from the inside while the driver's door is open. Then proceed to lock the driver's door using the emergency key.



- Remove the emergency key (→ page 80).
- Insert the emergency key as far as it will go into opening (1) in the cover.
- Pull and hold the door handle.
- Pull the cover on the emergency key as straight as possible away from the vehicle until it releases.
- Release the door handle.



- **To unlock:** turn the emergency key anti-clockwise to position 1.
- **To lock:** turn the emergency key clockwise to position 1.
- Carefully press the cover onto the lock cylinder until it engages and is seated firmly.

Boot

Opening the boot lid

DANGER Risk of exhaust gas poisoning

Combustion engines emit poisonous exhaust gases such as carbon monoxide. Exhaust gases can enter the vehicle interior if the boot lid is open when the vehicle is running, especially if the vehicle is in motion.

- Always switch off the vehicle before opening the boot lid.
- Never drive with the boot lid open.

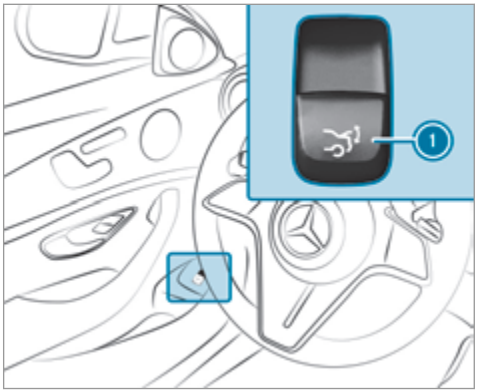
NOTE Damage to the boot lid by obstacles above the vehicle

The boot lid swings upwards when it is opened.

- Therefore, make sure that there is sufficient clearance above the boot lid.

- Pull the boot lid handle.
- **Vehicles with HANDS-FREE ACCESS:** make a kicking movement with your foot below the bumper (→ page 89).

Vehicles with boot lid convenience closing



- Pull remote operating switch 1 until the boot lid opens.

or

- Press and hold the button on the key.
- If the boot lid is stopped in an intermediate position, pull it upwards. Release it as soon as it begins to open.

▶ With the boot lid opening limiter activated, manually pull the stopped boot lid upwards.

If an obstacle obstructs the boot lid during the automatic opening process, blockage detection will stop the boot lid. The automatic blockage detection function is only an aid and is not a substitute for your attentiveness.

Closing the boot lid

WARNING Risk of injury from unsecured items in the vehicle

If objects, luggage or loads are not secured or not secured sufficiently, they could slip, tip over or be thrown around and thereby hit vehicle occupants.

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

▶ Always stow objects in such a way that they cannot be thrown around.

▶ Before the journey, secure objects, luggage or loads against slipping or tipping over.

Observe the notes on loading the vehicle.

Notes on closing the boot lid: your vehicle is equipped with automatic key recognition. If a key belonging to the vehicle is detected in the vehicle, the boot lid will not be locked and will pop open again.

Note that the boot lid will not be locked if the following situation occurs:

- You have locked the vehicle and close the boot lid while a key belonging to the vehicle is inside the vehicle.

  and

- A second key belonging to the vehicle is not detected outside the vehicle.

Automatic key recognition is only an aid and is not a substitute for your attentiveness.

▶ Before locking, ensure that at least one key belonging to the vehicle is outside the vehicle.

▶ **To close the boot lid:** pull the boot lid downwards using the handle recess and push it closed.

Vehicles with boot lid convenience closing

WARNING Risk of becoming trapped during automatic closing of the boot lid

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

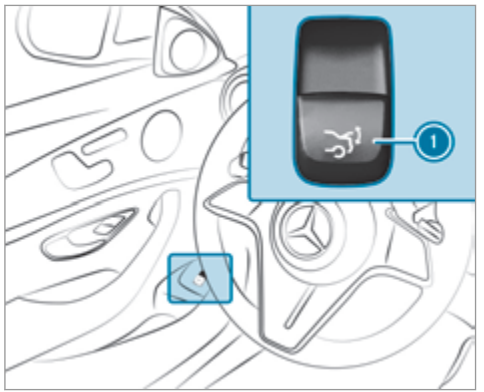
▶ Make sure that nobody is in the vicinity of the closing area during the closing process.

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

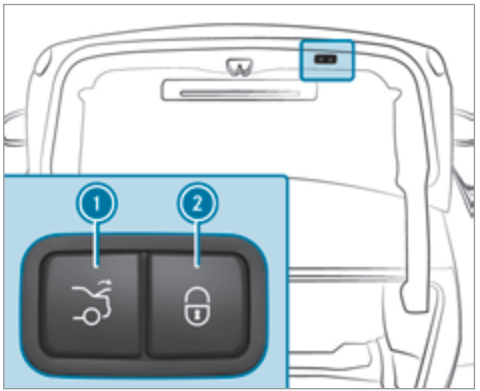
- Press the button on the key.
- Press or pull the remote operating switch on the driver's door.
- Press the closing or locking button on the boot lid.
- Pull the boot lid handle.

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

- **To close the boot lid:** pull the boot lid handle. Release it as soon as it begins to close.
- If the boot lid is stopped in an intermediate position, push it downwards. The boot lid will continue to close.



- Push remote operating switch (1) until the boot lid is fully closed.



- Press closing button (1) on the boot lid.

Vehicles with KEYLESS-GO

- Press locking button (2) on the boot lid. If a key is detected outside the vehicle, the boot lid will close and the vehicle will be locked.
- With the boot lid completely open, press and hold the button on the key. The key must be in the vicinity of the vehicle.

Vehicles with HANDS-FREE ACCESS

- With the boot lid completely open, make a kicking movement with your foot below the bumper (→ page 89).

Boot lid automatic reversing function

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

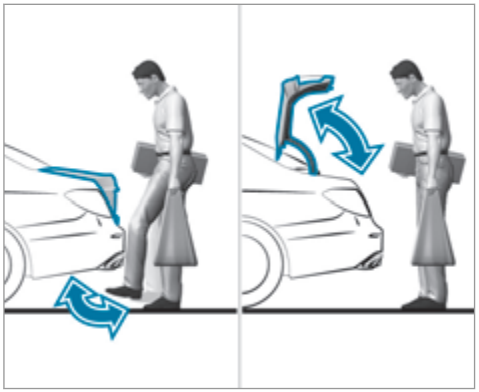
The reversing function will not react:

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

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

- ▶ Ensure that no body parts are in the closing area.
- ▶ If someone is trapped, use one of the following options:
  - Press the button on the key.
  - Press the remote operating switch on the driver's door.
  - Press the closing or locking button on the boot lid.
  - Pull the boot lid handle.

HANDS-FREE ACCESS function



With HANDS-FREE ACCESS you can open, close or interrupt boot lid movement by performing a kicking movement under the rear bumper.

The kicking movement triggers the opening or closing process alternately.

Observe the notes when opening (→ page 86) and closing (→ page 87) the boot lid.

ⓘ A warning tone sounds while the boot lid is opening or closing.

WARNING Risk of burns caused by a hot exhaust system

The vehicle exhaust system can become very hot. If you use HANDS-FREE ACCESS, you could burn yourself by touching the exhaust system.

- ▶ Always ensure that you only make a kicking movement within the detection range of the sensors.

NOTE Damage to the vehicle caused by unintentionally opening the boot lid

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

- ▶ Deactivate the function of the key in these situations.

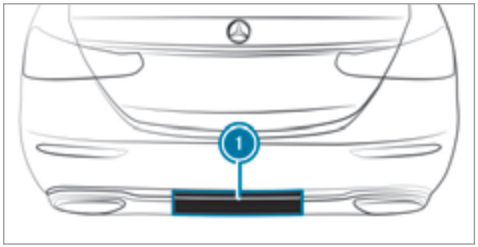
or

- ▶ Make sure that the key is at a minimum distance of 3 m away from the vehicle.

When making the kicking movement, make sure that you are standing firmly on the ground. You could otherwise lose your balance, e.g. on ice.

Observe the following notes:

- The key is behind the vehicle.
- Stand at least 30 cm away from the vehicle while performing the kicking movement.
- Do not come into contact with the bumper while making the kicking movement.
- Do not carry out the kicking movement too slowly.
- The kicking movement must be towards the vehicle and back again.



1 Detection range of the sensors

If several consecutive kicking movements are not successful, wait ten seconds.

System limits

The system may be impaired or may not function in the following cases:

- The sensors are dirty, e.g. due to road salt or snow.
- The kicking movement is made using a prosthetic leg.

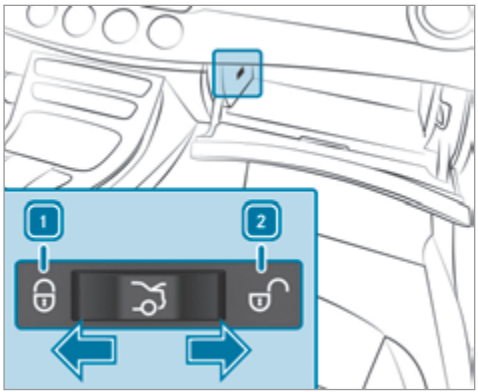
The boot lid could be opened or closed unintentionally, in the following situations:

- 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. the hose of a fuel dispenser, a charging cable or luggage
- Clamping straps, tarpaulins or other coverings are pulled over the bumper.
- A protective mat with a length reaching over the boot sill down into the detection range of the sensors is used.
- The protective mat is not secured correctly.
- Work is being done on the trailer hitch, trailers or rear bicycle racks.

Deactivate the function of the key (→ page 79) or do not carry the key about your person in such situations.

Switching separate boot locking on or off

If you centrally unlock the vehicle while separate locking is activated, the boot will remain locked.



- **To switch on:** slide the switch to position 1.
- **To switch off:** slide the switch to position 2.

ⓘ If an accident has been detected, the boot will unlock even if separate locking is switched on.

Side windows

Opening and closing the side windows

⚠ WARNING Risk of becoming trapped when opening a side window

When you open a side window, parts of the body could be drawn in or become trapped between the side window and window frame.

- When opening, make sure that nobody is touching the side window.
- If someone is trapped, release the button immediately or pull it in order to close the side window again.

⚠ WARNING Risk of becoming trapped when closing a side window

When closing a side window, body parts could be trapped in the closing area in the process.

- When closing, make sure that no body parts are in the closing area.
- If someone is trapped, release the button immediately or press the button in order to reopen the side window.

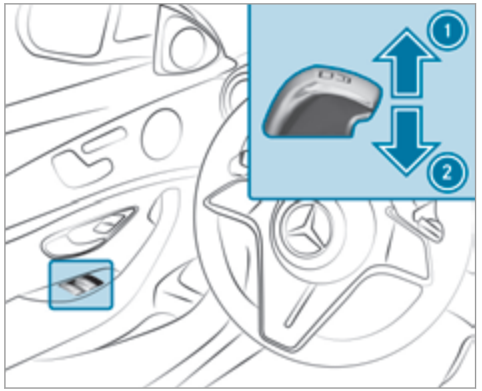
⚠ WARNING Risk of becoming trapped when children operate the side windows

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

- Activate the child safety lock for the rear side windows.
- When leaving the vehicle, always take the key with you and lock the vehicle.
- Never leave children unattended in the vehicle.

Requirements:

- The power supply or the vehicle has been switched on.



1 Closing
2 To open

The buttons on the driver's door take precedence.

- **To start automatic operation:** press the button beyond the point of resistance or pull and release it.
- **To interrupt automatic operation:** press or pull the button again.

When the vehicle is switched off, you can continue to operate the side windows.

This function 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.

Automatic function of the side windows

In the following cases, the side windows will be closed automatically when the vehicle is switched off:

- if it starts to rain
  Rain is detected by a rain sensor on the windscreen.
- in extreme temperatures
- after a certain time (depending on the onboard electrical system voltage)
- if there is a malfunction in the power supply

The side windows will be closed as far as the ventilation position.

Vehicles with a sliding sunroof: the side windows will be closed completely if the sliding sunroof is open.

If the side windows are obstructed during automatic closing, the side window concerned will open again slightly. After another automatic closing process, the automatic function for the sunroof and side windows may be deactivated. The automatic function will be active again the next time the vehicle is started.

Convenience opening (ventilating the vehicle before starting a journey)

WARNING Risk of entrapment when opening a side window

When opening a side window, parts of the body could be drawn in or become trapped between the side window and window frame.

- When opening, make sure that nobody is touching the side window.
- Release the button immediately if somebody becomes trapped.

Requirements:

- The key is in the immediate vicinity of 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 sliding sunroof is opened.
  - The panoramic sliding roof is opened.
  - The seat ventilation of the driver's seat is switched on.

ⓘ If the roller sunblind of the panoramic sliding sunroof is closed, the roller sunblind is opened first.

- **To interrupt convenience opening:** release the button.
- **To continue convenience opening:** press and hold the button again.

Convenience closing (closing the vehicle from outside)

WARNING Risk of entrapment due to not paying attention during convenience closing

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

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

Requirements:

- The key is in the immediate vicinity of the vehicle.

- Press and hold the button on the key.

  The following functions are performed:
  - The vehicle is locked.
  - The side windows are closed.
  - The sliding sunroof is closed.

- The panoramic sliding roof is closed.

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

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

ⓘ Convenience closing also functions with KEYLESS-GO (→ page 83).

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 78).

▶ Replace the key battery, if necessary (→ page 80).

Sliding sunroof

Opening and closing the sliding sunroof

ⓘ The term "sliding sunroof" also refers to the panorama sliding sunroof.

⚠ **WARNING** Risk of becoming trapped when the sliding sunroof is being opened and closed

Body parts may become trapped in the range of movement.

- ▶ During opening and closing, make sure that no body parts are in the range of movement.
- ▶ Release the button immediately if somebody becomes trapped.

or

- ▶ Briefly press the button in any direction during automatic operation.
  The opening or closing process will be stopped.

⚠ WARNING Risk of entrapment if the sliding sunroof is operated by children

Children operating the sliding sunroof could get caught in the moving parts, particularly if unattended.

- ▶ Never leave children unattended in the vehicle.
- ▶ When leaving the vehicle, always take the key with you and lock the vehicle.

⚠ WARNING Risk of becoming trapped when the roller sunblind is being opened and closed

Body parts may become trapped between the roller sunblind and frame or sliding roof.

- ▶ When opening or closing, make sure that no body parts are in the roller sunblind's range of movement.
- ▶ Release the button immediately if somebody becomes trapped.

or

- ▶ Briefly press the button in any direction during automatic operation.
  The opening or closing process will be stopped.

! NOTE Malfunction due to snow and ice

Snow and ice may cause the sliding sunroof to malfunction.

- ▶ Open the sliding sunroof only if it is free of snow and ice.

! NOTE Damage caused by protruding objects

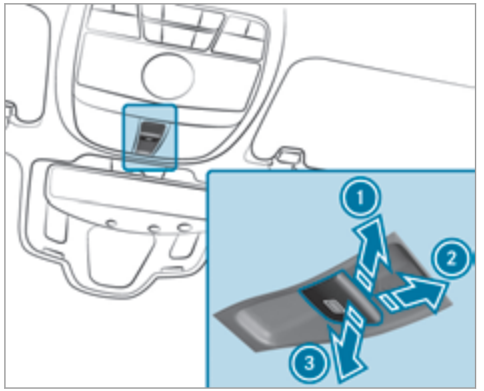
Objects that protrude from the sliding sunroof may damage the seals.

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

! NOTE Damage to the sliding sunroof when a roof luggage rack is fitted

When a roof luggage rack is fitted, raising or opening the sliding sunroof may be restricted.

- ▶ Check whether the sliding sunroof can be raised or opened when a roof luggage rack is fitted.
- ▶ If in doubt, do not raise or open the sliding sunroof.



1 To raise
2 To open
3 To close/lower

Use the button to operate the panorama sliding sunroof and the roller sunblind.

The panorama sliding sunroof can be operated only when the roller sunblind is open.

- Check whether the sliding sunroof can be raised or opened when a roof luggage rack is fitted.
- **To start automatic operation:** press the button beyond the point of resistance or pull and release it.
- **To interrupt automatic operation:** briefly press the button in any direction.
  The opening/closing process will be stopped.

Automatic reversing function of the sliding sunroof

If an obstacle obstructs the sliding sunroof during the closing process, the sliding sunroof will open again automatically. The automatic reversing function 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 the reversing function being active

In particular, the reversing function does not react:

- to soft, light and thin objects, e.g. fingers.
- towards the end of the closing procedure.
- during resetting.

- During the closing process, make sure that no body parts are in the closing area.
- Release the button immediately if somebody becomes trapped.

or

- Briefly press the button in any direction during automatic operation.
  The closing process will be stopped.

Automatic reversing function of the roller sunblind

If an obstacle obstructs the roller sunblind during the closing process, the roller sunblind will open again automatically. The automatic reversing function 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.
▶ Release the button immediately if somebody becomes trapped.

or

▶ Briefly press the button in any direction during the automatic closing process. The closing process will be stopped.

Automatic functions of the sliding sunroof

ⓘ The term "sliding sunroof" also refers to the panorama sliding sunroof.

The sliding sunroof will be closed automatically when the vehicle has been switched off in the following situations:

- if it starts to rain

  Rain is detected by a rain sensor on the windscreen.
- in extreme temperatures
- after a certain time (depending on the onboard electrical system voltage)
- if there is a malfunction in the power supply

The sliding sunroof will rise at the rear in order to continue ventilating the vehicle interior.

If the sliding sunroof is obstructed during an automatic closing procedure, the roof will be opened again slightly. The automatic function for the sliding sunroof and the side windows will then be deactivated.

Rain-closing feature when driving
Vehicles with a panorama sliding sunroof: if it starts to rain, the raised sliding sunroof will automatically be lowered while the vehicle is in motion.

Automatic lowering function
Vehicles with a panorama sliding sunroof: if the sliding sunroof is raised at the rear, it will automatically be lowered slightly at higher speeds. At low speeds, it will be raised again automatically.

⚠ **WARNING** Risk of becoming trapped by automatic lowering of the sliding sunroof

At higher speeds, the raised sliding sunroof will automatically be lowered slightly at the rear.

▶ Make sure that nobody reaches into the sliding sunroof's range of movement while the vehicle is in motion.
▶ If somebody becomes trapped, briefly push the sliding sunroof button forwards or backwards.

ⓘ By pushing or pulling the  button, you can interrupt the automatic functions "Rain closing function when driving" and "Automatic lowering".

Rectifying problems with the sliding sunroof

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

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

- Make sure that no parts of the body are in the closing area.
- Release the button immediately if somebody becomes trapped.

or

- Briefly press the button in any direction during the automatic closing process. The closing process will be stopped.

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

ⓘ The term "sliding sunroof" also refers to the panorama sliding sunroof.

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

- Immediately after automatic reversing, pull and hold the button down again to the point of resistance until the sliding sunroof is closed. The sliding sunroof will be closed with increased force.

If the sliding sunroof is obstructed again and opens again slightly:

- Repeat the previous step. The sliding sunroof will be closed again with increased force.

Vehicles without a panorama sliding sunroof: the sliding sunroof is not operating smoothly.

- Reset the sliding sunroof.

Resetting the sliding sunroof

- Push the button up to the point of resistance repeatedly until the sliding sunroof is fully open.
- Press the button for another second.
- Close the sliding sunroof.

Vehicles with a panorama sliding sunroof: the sliding sunroof or the roller sunblind is not operating smoothly.

- Reset the sliding sunroof and the roller sunblind.

Resetting the sliding sunroof and the roller sunblind

- Pull and hold the button little by little until the sliding sunroof is fully closed.
- Pull and hold the button little by little until the roller sunblind is fully closed.
- Use automatic operation to fully open and then close the sliding sunroof.

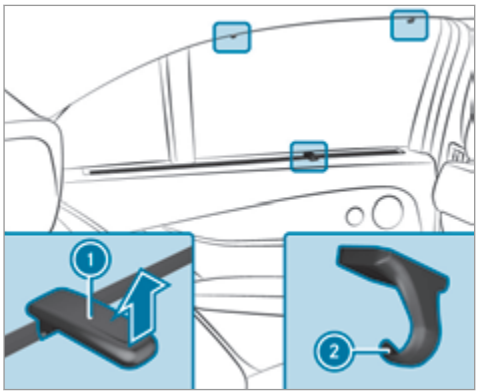
Roller sunblinds

Extending the rear side window roller sunblinds

NOTE Damage to the inertia reel due to it snapping back

If suddenly snapped back, the inertia reel may be damaged.

- Always move the roller sun blind by hand.
- Do not drive with the roller sun blind hooked in and rear side windows opened at the same time.



- Pull the roller sunblind out by tab (1) and hook it onto brackets (2) at the top of the window.

Extending or retracting the rear-window roller sunblind

WARNING Risk of becoming trapped when extending or retracting the roller sunblind

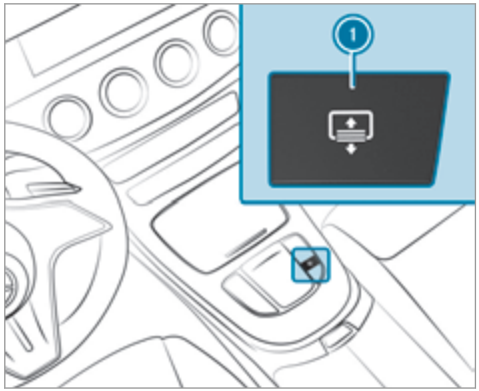
Body parts may become trapped in the roller sunblind's range of movement.

- Ensure there are no body parts in the range of movement.
- If someone becomes trapped, briefly press the button again.
  The opening or closing process will briefly be stopped. The roller sunblind will then return to its starting position.

NOTE Damage caused by objects

Objects can cause the roller sunblind to malfunction.

- Do not store objects on the rear shelf.
- Ensure that the roller sunblind can move freely.



- **To extend or retract:** press button (1).

Anti-theft protection

Function of the immobiliser

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

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

ATA (Anti-Theft Alarm system)

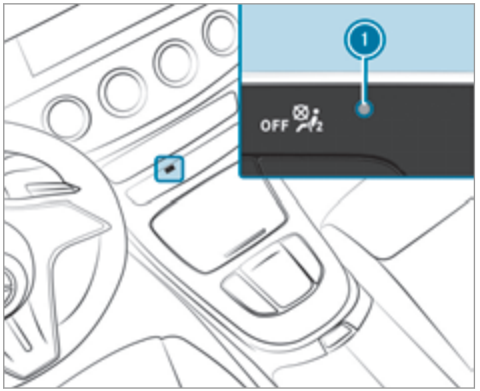
Function of the ATA system

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

- when a door is opened
- when the boot lid is opened
- when the bonnet is opened
- when interior protection is triggered (→ page 101)
- when tow-away protection is triggered (→ page 100)

The ATA system is primed automatically after approximately ten seconds in the following situations:

- after locking the vehicle with the key
- after locking the vehicle using KEYLESS-GO



Indicator lamp (1) flashes when the ATA system is primed.

The ATA system is deactivated automatically in the following situations:

- after unlocking the vehicle with the key
- after unlocking the vehicle using KEYLESS-GO
- after pressing the start/stop button with the key in the stowage compartment (→ page 168)

ⓘ When the Mercedes-Benz emergency call system is active and the alarm stays on for more than 30 seconds, a message is automatically sent to the Customer Assistance Centre (→ page 347).

Deactivating the ATA

▶ Press the [ ], [ ] or [ ] button on the key.

or

▶ Press the start/stop button with the key in the stowage compartment (→ page 168)

Deactivating the alarm using KEYLESS-GO

▶ Grasp the outside door handle with the key outside the vehicle.

Function of tow-away protection

An audible and visual alarm is triggered if an alteration to your vehicle's angle of inclination is detected while tow-away protection is primed.

Tow-away protection is automatically primed after approximately 60 seconds:

- after locking the vehicle with the key
- after locking the vehicle using KEYLESS-GO

Tow-away protection is only primed when the following components are closed:

- doors
- boot lid

Tow-away protection is automatically deactivated:

- after pressing the [ ] or [ ] button on the key
- after pressing the start/stop button with the key in the stowage compartment (→ page 168)
- after unlocking the vehicle using KEYLESS-GO
- when using HANDS-FREE ACCESS

Information on collision detection on a parked vehicle (→ page 214).

Priming/deactivating tow-away protection

Multimedia system:

→ [ ] ▸▸ Settings ▸▸ Quick access

▶ Prime or deactivate Tow-away protection.

Tow-away protection is primed again in the following cases:

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

ⓘ If quick access is unavailable, select the Vehicle submenu in the Settings main menu to prime or deactivate tow-away protection.

Function of interior protection

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

Interior protection is primed automatically after approximately ten seconds:

- after locking the vehicle with the key
- after locking the vehicle using KEYLESS-GO

Interior protection is only primed when the following components are closed:

- doors
- boot lid

Interior protection is automatically deactivated:

- after pressing the [ ] or [ ] button on the key
- after pressing the start/stop button with the key in the stowage compartment (→ page 168)
- after unlocking the vehicle using KEYLESS-GO
- when using HANDS-FREE ACCESS

The following situations can lead to a false alarm:

- when there are moving objects such as mascots in the vehicle interior
- when a side window is open
- when a sliding sunroof is open
- when a panoramic sliding sunroof is open

Priming/deactivating interior protection

Multimedia system:

↳ ⌂ ⏩ Settings ⏩ Quick access

▶ Prime or deactivate Interior motion sensor.

Interior protection is primed again in the following cases:

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

ⓘ If quick access is unavailable, select the Vehicle menu under Settings to prime or deactivate interior protection.

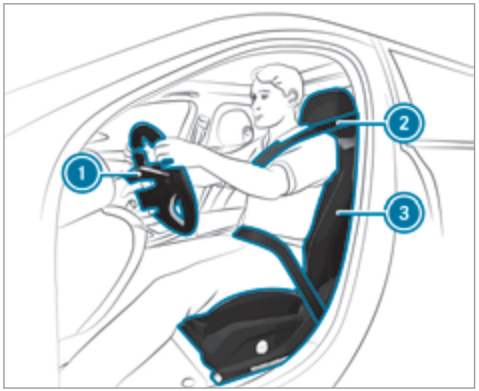
Notes on the correct driver's seat position

⚠ **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 the steering wheel (1), seat belt (2) and driver's seat (3):

- You are sitting as far away from the driver's airbag as possible, taking the following points into consideration:
- You are sitting in an upright position
- Your thighs are slightly supported by the seat cushion
- Your legs are not fully extended and you can depress the pedals properly
- The back of your head is supported at eye level by the centre of the head restraint
- You can hold the steering wheel with your arms slightly bent
- You can move your legs freely
- You can see all the displays on the instrument cluster clearly
- You have a good overview of the traffic conditions
- Your seat belt sits snugly against your body and passes across the centre of your shoulder and across your hips in the pelvic area

Seats

Adjusting the front seat manually and electrically (without Seat Comfort Package)

WARNING Risk of becoming trapped if the seats are adjusted by children

Children could become trapped if they adjust the seats, particularly when unattended.

- When leaving the vehicle, always take the key with you and lock the vehicle.
- Never leave children unattended in the vehicle.

You can adjust the seats when the vehicle is switched off.

WARNING Risk of becoming trapped during seat adjustment

When you adjust a seat, you or other vehicle occupants could become trapped, e.g. on the seat guide rail.

- Make sure when adjusting a seat that no one has any body parts in the sweep of the seat.

Observe the safety notes on "Airbags" and "Children in the vehicle".

WARNING Risk of accident due to the driver's seat not being engaged

The driver's seat may move unexpectedly while driving.

This could cause you to lose control of the vehicle.

- Always make sure that the driver's seat is engaged before starting the vehicle.

WARNING Risk of accident due to adjusting the vehicle settings while the vehicle is in motion

You could lose control of the vehicle in the following situations in particular:

- if you adjust the driver's seat, the head restraint, the steering wheel or the mirror while the vehicle is in motion
- if you fasten your seat belt while the vehicle is in motion

- Before starting the vehicle: in particular, adjust the driver's seat, head restraint, steering wheel and mirror, and fasten your seat belt.

WARNING Risk of becoming trapped if the seat height is adjusted carelessly

If you adjust the seat height carelessly, you or other vehicle occupants could be trapped and thereby injured.

Children in particular could accidentally press the electrical seat adjustment buttons and become trapped.

- While moving the seats, make sure that hands or other body parts do not get under the lever assembly of the seat adjustment system.

⚠ WARNING Risk of injury due to head restraints not being fitted or being adjusted incorrectly

If head restraints have not been installed or have not been adjusted correctly, there is an increased risk of injury in the head and neck area, e.g. in the event of an accident or when braking.

- Always drive with the head restraints fitted.
- Before driving off, make sure for every vehicle occupant that the centre of the head restraint supports the back of the head at about eye level.

Do not interchange the head restraints of the front and rear seats. Otherwise, you will not be able to adjust the height and angle of the head restraints correctly.

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

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

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

In particular, you may slip under the seatbelt and injure yourself.

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

⚠ WARNING Risk of injury due to excessive strain on the grab handle

If you apply your full body weight to the grab handle or pull it abruptly, the grab handle may be damaged or become loose from its anchorage.

- Use the grab handles only to stabilise the seating position or to assist in getting in and out of the seat.

⚠ WARNING Risk of injury or death due to objects under the co-driver seat

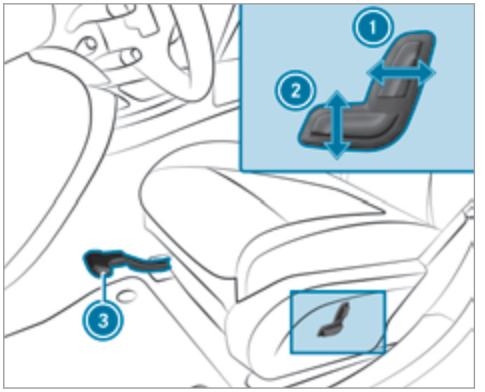
Objects trapped under the co-driver seat can interfere with the function of the automatic co-driver airbag shutoff or damage the system.

- Do not store any objects under the co-driver seat.
- When the co-driver seat is occupied, make sure that no objects are trapped under the co-driver seat.

NOTE Damage to the seats when moving the seats back

The seats may be damaged by objects when moving the seats back.

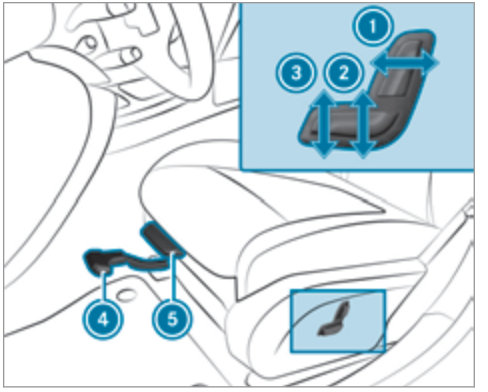
- When moving the seats back, make sure that there are no objects in the footwell, under or behind the seats.



1. Seat backrest inclination
2. Seat height
3. Seat fore-and-aft position

- **To adjust the seat fore-and-aft position:** lift lever 3 and slide the seat into the desired position.
- Make sure that the seat is engaged.

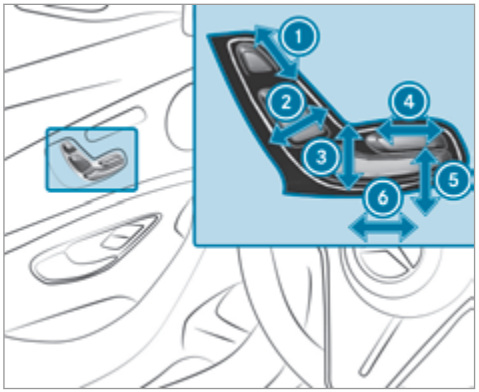
Adjusting the front seat manually and electrically (with Seat Comfort Package)



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

- **To adjust the seat fore-and-aft position:** lift lever (4) and slide the seat into the desired position.
- Make sure that the seat is engaged.
- **To adjust the seat cushion length:** lift lever (5) and slide the front section of the seat cushion forwards or backwards.

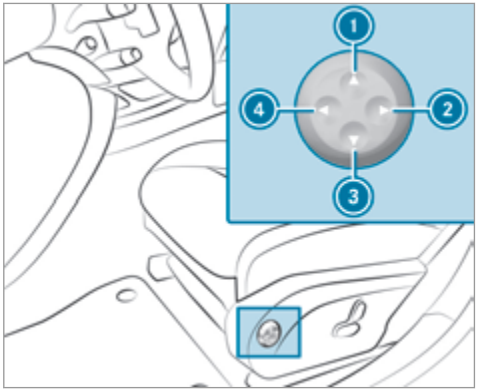
Adjusting the front seat electrically



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

- Save the settings with the memory function (→ page 117).

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.

Head restraints

Adjusting the front seat head restraints manually

WARNING Risk of accident due to adjusting the vehicle settings while the vehicle is in motion

You could lose control of the vehicle in the following situations in particular:

- if you adjust the driver's seat, the head restraint, the steering wheel or the mirror while the vehicle is in motion
- if you fasten your seat belt while the vehicle is in motion

- Before starting the vehicle: in particular, adjust the driver's seat, head restraint, steering wheel and mirror, and fasten your seat belt.

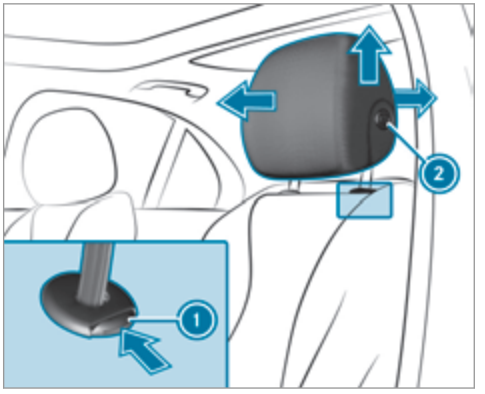
WARNING Risk of injury due to head restraints not being fitted or being adjusted incorrectly

If head restraints have not been installed or have not been adjusted correctly, there is an increased risk of injury in the head and neck area, e.g. in the event of an accident or when braking.

- Always drive with the head restraints fitted.
- Before driving off, make sure for every vehicle occupant that the centre of the head restraint supports the back of the head at about eye level.

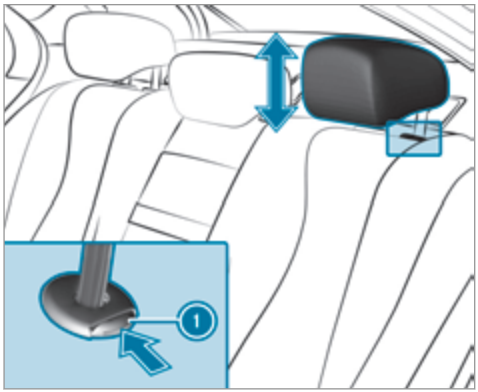
Do not interchange the head restraints of the front and rear seats. Otherwise, you will not be able to adjust the height and angle of the head restraints correctly.

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



- **To raise:** pull the head restraint up.
- **To lower:** press release knob (1) in the direction of the arrow and push the head restraint down.
- **To move forwards:** pull the head restraint forwards.
- **To move backwards:** press release knob (2) and push the head restraint backwards.

Adjusting the head restraints of the rear seats mechanically

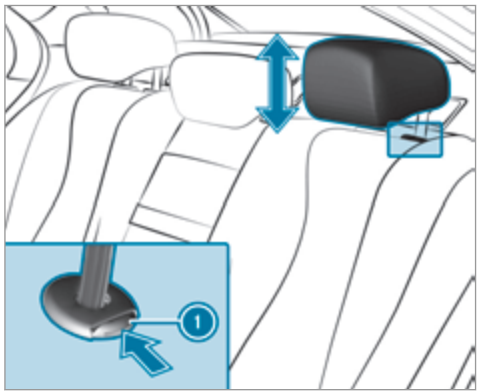


- **To raise:** pull the head restraint up.
- **To lower:** press release knob (1) in the direction of the arrow and push the head restraint down.

Fitting/removing the rear seat head restraints

Removing

The head restraints can be removed only in vehicles with folding rear seat backrests.



- Release the rear seat backrest and fold it forwards slightly (⟶ page 121).
- Pull the head restraint upwards as far as it will go.
- Push release knob (1) in the direction of the arrow and pull out the head restraint.

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.

Configuring the seat settings

Multimedia system:

⟶ ⌂ ▸▸ Comfort ▸▸ Seat comfort

Adjusting the backrest contour in the lumbar region of the seat backrest (lumbar)

- Select Lumbar.
- Select the settings ⚙ for the desired seat.
- Adjust the air cushions.

Adjusting the backrest side bolsters

- Select Side bolsters.

▶ Adjust the air cushion for the desired seat.

Setting the seat heating balance

▶ 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 the driver's seat is being adjusted via 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, stop the adjustment process immediately:

▶ a) Tap the warning message on the media display.

or

▶ b) Press a memory function position button or a seat adjustment switch on the driver's door.
The adjustment process will be stopped.

Requirements:

- Adapting the driver's seat position to body size: automatic seat adjustment has been switched on.

Multimedia system:

↳ ⌂ ▸▸ Settings ▸▸ Vehicle ▸▸ Automatic seat adjustment

Switching automatic seat adjustment on/off

When the active user profile is changed while the vehicle is stationary, the driver's seat, outside mirrors and seat contour will automatically be adapted to the driver.

▶ Select On or Off.

ⓘ This setting is available only for individual user profiles. For the guest profile, automatic seat adjustment cannot be switched on or off.

Adjusting the driver's seat position to body size

The vehicle will calculate a suitable driver's seat position 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 position will be adjusted to the body size that has been set.

ⓘ If the driver's seat position calculated by the vehicle is not practical or comfortable, it can be changed manually at any time via the buttons.
The exterior mirrors are not set via this function. Instead, they have to be set manually via the switches.

ⓘ You can also configure these settings via the Mercedes me portal for your user profile. By synchronising the profiles in the vehicle and the Mercedes me connect profiles, you can carry over these settings for your vehicle. Further information about synchronising user profiles .

Setting the easy entry and exit feature

▶ Switch the function on or off.

ⓘ If you use an individual user profile and have set your body size, this information is carried over for the easy entry and exit feature. This causes the driver's seat to automatically move into the correct position .

Overview of massage programmes

- Hot Relaxing back Combination of heat and massage. It starts by massaging the back. In addition, warm pressure points become noticeable, starting in the pelvic area.
- Hot Relaxing shoulder Combination of heat and massage. It starts by massaging the shoulders. In addition, warm pressure points become noticeable, starting in the pelvic area.
- Activating Massage Activating massage with upward-moving massage waves.
- Classic Massage Relaxing back massage.
- Wave Massage Regenerating massage via massage waves across the back and in the seat cushion.
- Mobilizing Massage Mobilising massage with upward-moving massage waves. Can promote slower, deeper respiration. This can improve the supply of oxygen to cells and the brain.
- Active Workout backrest and Active Workout cushion These programmes 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.

Selecting the massage programme for the front seats

Multimedia system:

↳ ⌂ ▸▸ Comfort ▸▸ Massage

▶ Select a massage programme (→ page 111).

▶ Start the program for the desired seat ▶.

▶ To set the massage intensity: switch High intensity on or off .

Resetting seat settings

Multimedia system:

↳ ⌂ ▸▸ Comfort ▸▸ Seat comfort

▶ Select ↩ for the desired seat.

▶ Confirm the prompt.

Switching the seat heating on/off

WARNING Risk of burns due to repeatedly switching on the seat heating

Repeatedly switching on the seat heating can cause the seat cushion and seat backrest padding to become very hot.

In particular, the health of persons with limited temperature sensitivity or a limited ability to react to high temperatures may be affected or they may even suffer burn-like injuries.

- ▶ Do not repeatedly switch on the seat heating.

To protect against overheating, the seat heating may be temporarily deactivated after it has been switched on repeatedly.

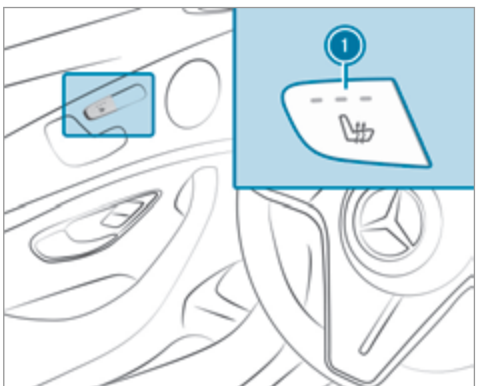
NOTE Damage to the seats caused by objects or documents when the seat heater is switched on

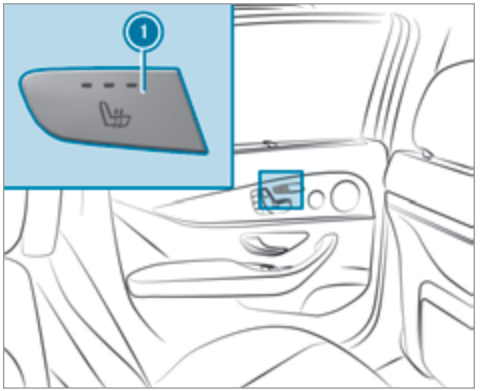
When the seat heater is switched on, overheating may occur due to objects or documents placed on the seats e.g. seat cushions or child seats. This could cause damage to the seat surface.

- ▶ Make sure that no objects or documents are on the seats when the seat heater is switched on.

Requirements:

- The power supply is switched on.





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

ⓘ The seat heating will automatically switch down from the three heating levels after 8, 10 and 20 minutes until the seat heating is switched off.

Setting the panel heating

Multimedia system:

→ ⌂ ▸▸ Settings ▸▸ Vehicle ▸▸ Panel heating

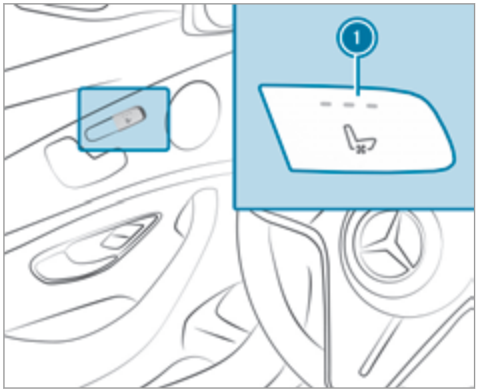
When the seat heater is switched on, the armrests and the centre console can be heated.

▶ Switch the function for the desired seats on or off.

Switching the seat ventilation on/off

Requirements:

- The power supply is switched on.



▶ Press button (1) repeatedly until the desired blower setting has been reached. Depending on the blower setting, up to three indicator lamps will light up. If all indicator lamps are off, the seat ventilation is switched off.

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:

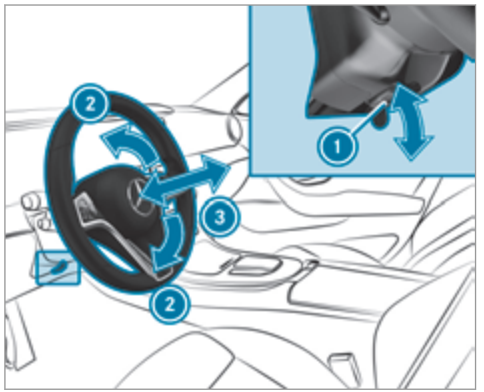
- if you adjust the driver's seat, the head restraint, the steering wheel or the mirror while the vehicle is in motion
- if you fasten your seat belt while the vehicle is in motion

▶ 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.



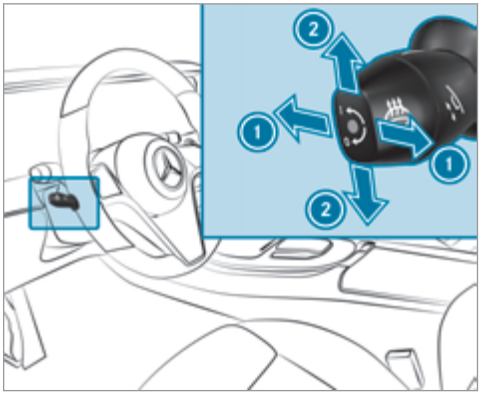
- **To unlock:** push release lever (1) down as far as it will go.
- Adjust height (2) and distance (3) to the steering wheel.

Locking

- Fold release lever (1) up as far as it will go.
- Check and make sure that the steering column is locked by moving the steering wheel.

Adjusting the steering wheel electrically

The steering wheel can be adjusted when the power supply is disconnected.



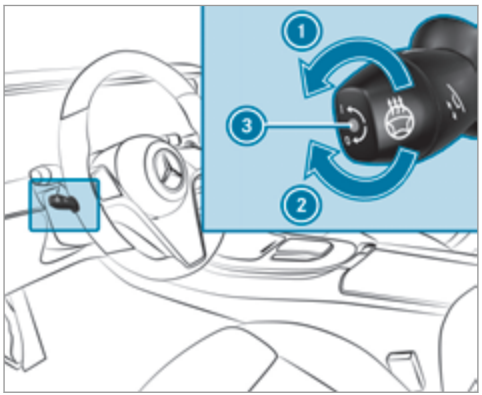
(1) To adjust the distance to the steering wheel
(2) To adjust the height

- Save the settings with the memory function (→ page 117).

Switching the steering wheel heater on/off

Requirements:

- The power supply or the vehicle has been switched on.



▶ Turn the lever in the direction of arrow (1) or (2).
If indicator lamp (3) lights up, the steering wheel heater is switched on.

When you switch the vehicle off, the steering wheel heater will switch off.

Easy entry and exit feature

Using the easy entry and exit feature

⚠ **WARNING** Risk of accident when pulling away during the adjustment process of the easy entry and exit feature

You could lose control of the vehicle.

▶ Always wait until the adjustment process is complete before driving off.

⚠ **WARNING** Risk of becoming trapped during adjustment of the easy entry and exit feature

You and other vehicle occupants – particularly children – could become trapped.

▶ Ensure that no one has a body part in the sweep of the steering wheel or driver's seat.

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

▶ Move the adjustment lever of the steering wheel.
The adjustment process will be stopped.

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

▶ Press the seat adjustment switch.
The adjustment process will be 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.

If the easy entry and exit feature is active, the steering wheel will move upwards and the driver's seat will move back 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 then move backwards only if it is not already at the rear of the seat adjustment range.

The steering wheel and the driver's seat will move back to the last drive 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:

- You switch off the vehicle.
- **Vehicles with memory function:** you call up the seat settings via the memory function.
- **Vehicles with memory function:** you save 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

Multimedia system:

↳ ⌂ ▸▸ Settings ▸▸ Vehicle ▸▸ Automatic seat adjustment ▸▸ Easy Entry/Exit

▶ Activate or deactivate the function.

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 adjustment process of the memory function, make sure that no one has any body parts in the sweep of the seat.
- If someone becomes trapped, press a preset position button or seat adjustment switch immediately.

WARNING Risk of entrapment if the memory function is activated by children

Children could become trapped if they activate the memory function, particularly when unattended.

- Never leave children unattended in the vehicle.
- When leaving the vehicle, always take the key with you and lock the vehicle.

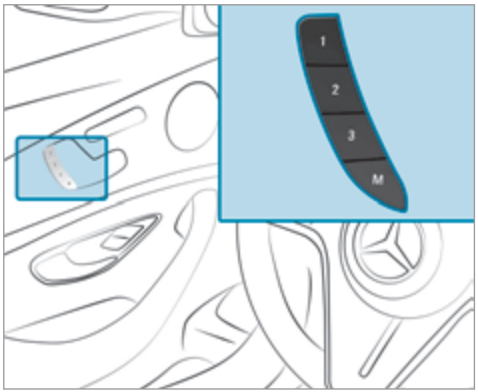
You can use the memory function when the vehicle is switched off.
Seat adjustments for up to three people can be stored and called up using the memory function.

You can save settings for the following systems:

- Seat, backrest and head restraint
- Steering wheel
- Outside mirrors
- Head-up display

Operating the memory function

Storing



- Set the desired position for all systems.
- Briefly press the M memory button and then press preset position button 1, 2 or 3 within three seconds.
  An acoustic signal sounds. The settings are stored.

- **To call up:** press or briefly hold preset position button 1, 2 or 3.
  After releasing the button, all systems are moved into the stored position.

Stowage areas

Notes on loading the vehicle

DANGER Risk of exhaust gas poisoning

Combustion engines emit poisonous exhaust gases such as carbon monoxide. Exhaust gases can enter the vehicle interior if the boot lid is open when the vehicle is running, especially if the vehicle is in motion.

- Always switch off the vehicle before opening the boot lid.
- Never drive with the boot lid open.

WARNING Risk of injury from unsecured items in the vehicle

If objects, luggage or loads are not secured or not secured sufficiently, they could slip, tip over or be thrown around and thereby hit vehicle occupants.

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

- Always stow objects in such a way that they cannot be thrown around.
- Before the journey, secure objects, luggage or loads against slipping or tipping over.

WARNING Risk of injury due to objects being stowed incorrectly

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

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

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

Vehicles with automatic front passenger airbag shutoff: objects trapped under the front passenger seat may interfere with the function of the automatic front passenger airbag shutoff or damage the system. Please observe the notes on the function of the automatic front passenger airbag shutoff (→ page 53).

WARNING - Risk of accident or injury when using the cup holder while the vehicle is in motion

The cup holder cannot hold a container secure while the vehicle is in motion.

If you use a cup holder while the vehicle is in motion, the container may be flung around and liquids could be spilled. The vehicle occupants may come into contact with the liquid and if it is hot, they could be scalded. You could be distracted from traffic conditions and you may lose control of the vehicle.

- ▶ Only use the cup holder when the vehicle is stationary.
- ▶ Only use the cup holder for containers of the right size.
- ▶ Always close the container, particularly if the liquid is hot.

NOTE Damage to the cup holder

When the rear armrest is folded back the cup holder could become damaged.

- ▶ Only fold the rear armrest back when the cup holder is closed.

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 handle in the boot floor

If the handle in the boot is left protruding, the handle may be damaged.

- ▶ Before closing the boot lid, detach the handle and press it down closed again.

NOTE Damage to the stowage compartment under the ashtray due to intense heat

The stowage compartment under the ashtray is not heat resistant and could be damaged if you rest a lit cigarette on it.

- ▶ Make sure that the ashtray is fully engaged.

WARNING - Risk of fire and injury from the hot cigarette lighter

You can burn yourself if you touch the hot heating element or the socket of the cigarette lighter.

In addition, flammable materials may ignite if:

- you drop the hot cigarette lighter
- a child holds the hot cigarette lighter to objects, for example

- ▶ Always hold the cigarette lighter by the knob.

- Always make sure that the cigarette lighter is out of reach of children.
- Never leave children unattended in the vehicle.

⚠ WARNING Risk of burns from the tailpipe and tailpipe trims

The exhaust tailpipe and tailpipe trims can become very hot. If you come into contact with these parts of the vehicle, you could burn yourself.

- Always be particularly careful around the tailpipe and the tailpipe trims and supervise children especially closely in this area.
- Allow vehicle parts to cool down before touching them.

The driving 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 exceed the permissible gross mass or the permissible axle loads for the vehicle (including occupants).

  Information can be found on the vehicle identification plate (→ page 415).
- 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 load evenly.

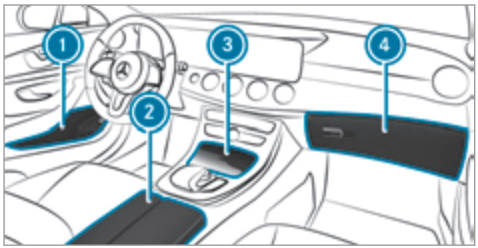
Notes on driving with a roof load

- Evenly distribute the roof load, and place heavy objects at the bottom. Also comply with the notes on loading the vehicle (→ page 118).
- Drive attentively, and avoid suddenly pulling away, braking and steering as well as rapid cornering.
- When transporting roof loads and when the vehicle is fully loaded or fully occupied, select drive programs E and C. These are designed to focus on stability (→ page 183).

ⓘ For more information on stowage compartments and stowage areas, please refer to the Digital Owner's Manual.

Stowage spaces in the vehicle interior

Overview of the front stowage compartments



1. Stowage spaces in the doors
2. Stowage compartment in the armrest with USB ports and stowage space, e.g. for an MP3 player
3. Stowage compartment in the front centre console with a USB port
4. Glove compartment

Through-loading feature in the rear bench seat (EASY-PACK Quickfold)

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 accident and injury if the rear bench seat/rear seat and seat backrest are not engaged

Rear bench seat, rear seat and seat backrest can fold forwards.

- As a result, the vehicle occupant is pressed against the seat belt. The seat belt cannot perform its intended protective function and could cause additional injuries.
- Objects or loads in the boot cannot be restrained by the seat backrest.

- Make sure that the rear bench seat, the rear seat and the seat backrest are engaged before every trip.

If the left and right seat backrests are not engaged and locked in place, this will be shown on the multifunction display on the instrument cluster. If the centre seat backrest is not engaged and locked in place, the red lock verification indicator will be visible.

Always ensure that all vehicle occupants have their seat belts fastened correctly and are sitting properly. Particular attention must be paid to children.

If you no longer require the folded-down seat backrest as a loading area, fold the backrest back into place.

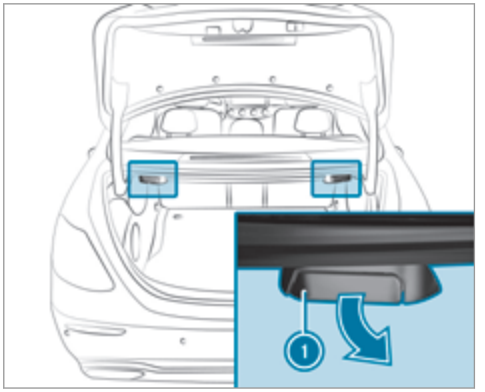
Requirements:

- The area into which the seat backrest is folded is clear.

- The rear seat backrest head restraints are fully inserted.
- To fold the centre seat backrest forwards: the centre seat backrest has been unlocked.
- The armrest on the second row of seats is folded back and the cup holders are empty.

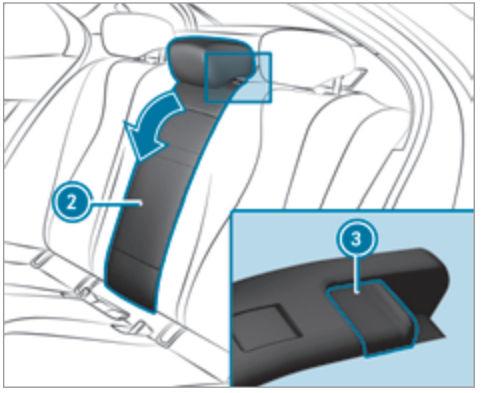
Folding the left and right seat backrests forwards

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



- **Vehicles without a memory function:** move the driver's or front passenger seat forwards, if necessary.
- **Vehicles with a memory function:** if at least one section of the rear seat backrest is folded forwards, the corresponding front seat will move forwards slightly, if necessary, to avoid a collision.
- If necessary, fully insert the head restraints in the rear seat backrest.
- Pull release lever (1).
  The corresponding seat backrest will fold forwards.

Folding the centre seat backrest forwards



- Pull release catch (3) for seat backrest (2) forwards.

- Fold the corresponding seat backrest forwards.

Folding back the rear seat backrest

WARNING Risk of becoming trapped when adjusting the seats

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

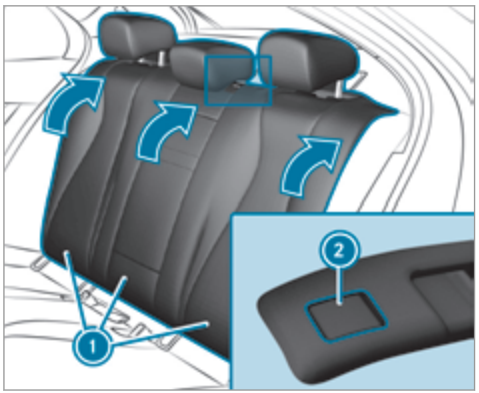
- When adjusting a seat, make sure that no one has any body parts in the sweep of the seat.

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

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

- Make sure that the seat belt is not trapped when folding back the seat backrest.

- **Vehicles without a memory function:** move the driver's or front passenger seat forwards, if necessary.
- **Vehicles with a memory function:** if at least one section of the seat backrest is folded back, the corresponding front seat will automatically return to the most recent original position.

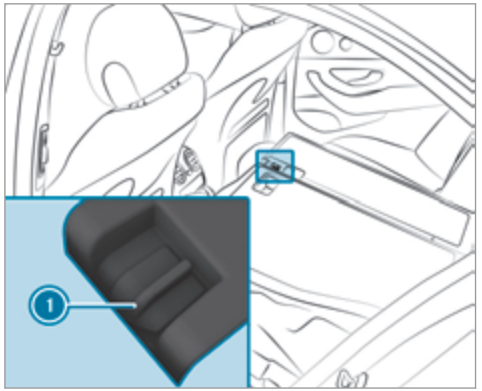


- Fold the corresponding seat backrest 1 back until it engages.
  Left and right seat backrests: if the seat backrest is not engaged and locked in place, this will be shown on the multifunction display on the instrument cluster.
  Centre seat backrest: if the seat backrest is not engaged and locked in place, the red lock verification indicator 2 will be visible.

Locking the release catch of the centre rear seat backrest

Requirements:
- The left and centre seat backrests are engaged and joined together.

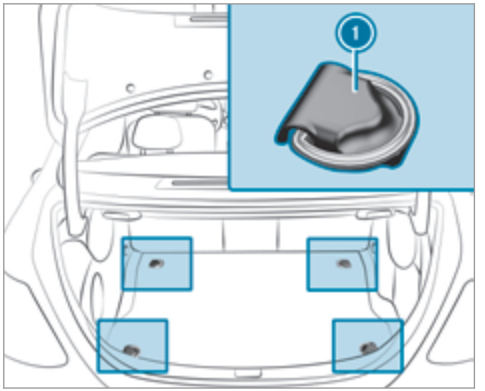
You can lock the centre seat backrest release catch if you want to secure the boot against unauthorised access. The centre seat backrest can then be folded forwards only together with the left seat backrest.



- Fold the centre and left seat backrests forwards.
- **To lock or unlock:** slide catch (1) upwards or downwards.

Overview of the tie-down eyes

Observe the notes on loading the vehicle (→ page 118).



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

Attaching the luggage net

WARNING Risk of injury due to objects being stowed incorrectly

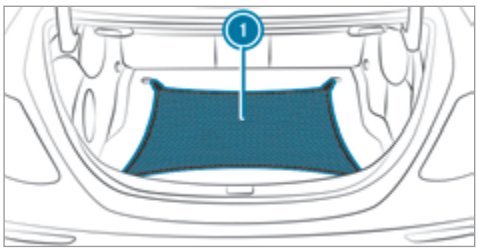
If objects in the vehicle interior are stowed incorrectly, they can slide or be thrown around and hit vehicle occupants. In addition, cup holders, open stowage spaces and mobile phone brackets cannot always retain all objects they contain.

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

- Always stow objects in such a way that they cannot be thrown around in such situations.
- Always make sure that objects do not protrude from stowage spaces, luggage nets or stowage nets.
- Close the lockable stowage spaces before starting a journey.

- Always stow and secure heavy, hard, pointed, sharp-edged, fragile or bulky objects in the boot.

Observe the notes on loading the vehicle.
The luggage net is available for all vehicles except hybrid vehicles.



- Vehicles with through-loading feature in the rear bench seat: fold up the tie-down eyes.
- Hook luggage net (1) into the front and rear tie-down eyes.
- Vehicles without a through-loading feature in the rear bench seat: hook the rings into the luggage net's hooks (1).
- Hook the rings into the hooks on the boot floor.

EASY-PACK boot box

Adjusting the height of the EASY-PACK boot box to any position

WARNING Risk of becoming trapped and injured when raising the floor

Your hands may become trapped on the frame of the EASY-PACK boot box and objects may be thrown upwards.

- Ensure that your hands are not in the range of movement of the floor.
- If someone becomes trapped, carefully push the centre of the floor downward.
- Remove all objects from the floor before raising it.

WARNING Risk of becoming trapped when pressing the EASY-PACK boot box in

Your hands may become trapped when you are pressing the boot box into the retracted position. Children, in particular, may injure themselves when doing so.

- Ensure that your hands are not in the range of movement of the EASY-PACK boot box.
- When leaving the vehicle, always take the key with you and lock the vehicle.
- Never leave children unattended in the vehicle.

NOTE Damage to the extended EASY-PACK boot box

The EASY-PACK boot box may be damaged when it is extended.

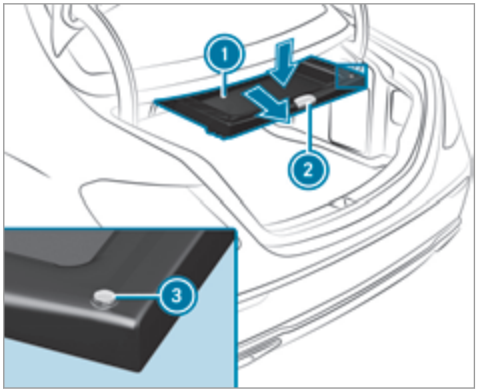
- Do not place any objects on or press down on the EASY-PACK boot box frame.
- Do not close the boot lid when the EASY-PACK boot box is extended.

NOTE Damage to the EASY-PACK boot box by objects

Objects that are sharp-edged, pointed, fragile, rounded or heavy and objects that roll can damage the EASY-PACK boot box and be thrown out.

- Do not transport objects that are sharp-edged, pointed, rounded or fragile and objects that roll in the EASY-PACK boot box.
- Always stow and secure such objects outside of the box in the boot.
- Always observe the maximum permitted load of the EASY-PACK boot box.
- Do not use the EASY-PACK boot box when the rear seats are folded forwards.

The maximum permitted load of the EASY-PACK boot box is 10 kg. To prevent the box from being overloaded, the box floor will lower onto the boot floor when the load reaches approximately 5 kg.

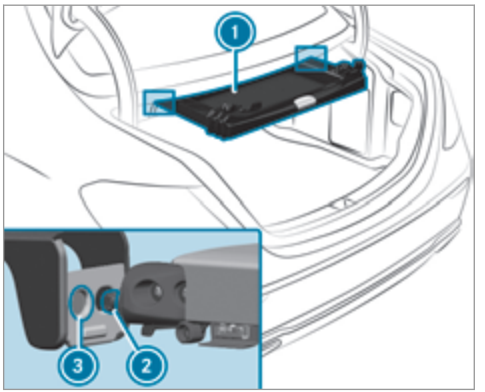


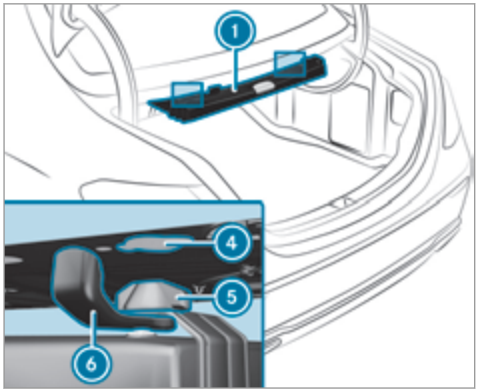
- **To remove:** pull handle (2) on the box.
- **To increase the load capacity:** push the centre of floor (1) downwards to the desired position and box size.
- **To reduce the load capacity:** press button (3).
- **To stow:** push the box in completely using handle (2) until it locks in place.

ⓘ Observe the notes on cleaning the EASY-PACK boot box (→ page 372).

Installing and removing the EASY-PACK boot box

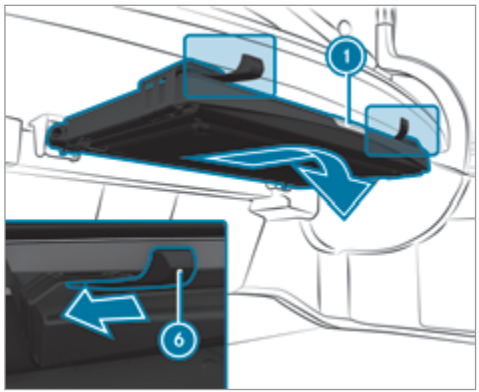
Installing





- Turn rotating catches (6) outward.
- Insert retainers (2) of box (1) into outer holes (3).
- Raise box (1) and press hooks (5) into the anchorages of rear shelf (4).
- Turn rotating catches (6) inward.

Removing



- Turn rotating catches (6) outward.
- Lower box (1) and pull it out of the anchorages on rear shelf (4).
- Pull box (1) back out of openings (3).

Attaching a roof luggage rack

WARNING Risk of accident due to exceeding the maximum roof load

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

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

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

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

NOTE Damage to the vehicle due to not observing the maximum permitted headroom clearance

If the vehicle height is greater than the maximum permitted headroom clearance, the roof and other parts of the vehicle may be damaged.

- ▶ Observe the signposted headroom clearance.
- ▶ If the vehicle height is greater than the permitted headroom clearance, do not enter.
- ▶ Observe the changed vehicle height with add-on roof equipment.

! NOTE Vehicle damage from non-approved roof luggage racks

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

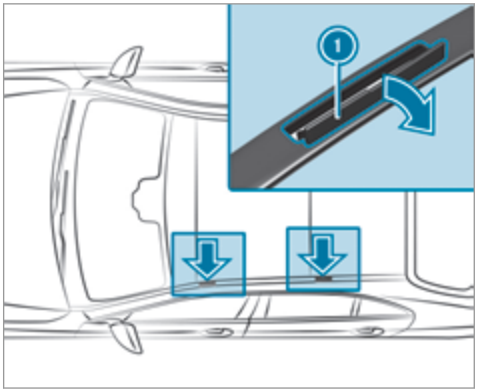
- ▶ Use only roof luggage racks tested and approved for Mercedes-Benz.
- ▶ Depending on the vehicle equipment, ensure that the sliding sunroof can be fully raised when the roof luggage rack is fitted.
- ▶ Depending on the vehicle equipment, ensure that the boot lid can be fully opened when the roof luggage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

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

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

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

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



! NOTE Damage to the covers

The covers may be damaged and scratched when being opened.

- ▶ Do not use metallic or hard objects.

- ▶ Carefully fold covers (1) 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.

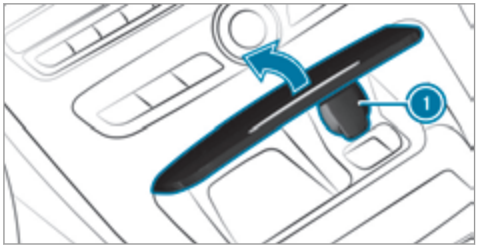
Sockets

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 a 12 V socket in the stowage compartment in the front centre console. In addition, depending on the vehicle equipment, the vehicle has a 12 V socket in the stowage compartment in the rear centre console.



Example: 12 V socket in the stowage compartment in the front centre console

- Briefly press the trim element of the cover on the front.
  The cover opens in the direction of the arrow.
- Lift up cap (1) of the socket and insert the plug of the device.

If you have connected a device to the 12 V socket, leave the cover of the stowage compartment open.

Using the 230 V socket in the rear passenger compartment

⚠ **DANGER** Risk of fatal injuries due to damage from a connecting cable or socket

You could receive an electric shock when pulling the connecting cable or the 230 V power socket out of the trim, or if it is damaged or wet.

- Use only connecting cables that are dry and free of damage.
- When the vehicle is switched off, make sure that the 230 V power socket is dry.
- Immediately have the 230 V power socket checked or replaced at a qualified specialist workshop if it is damaged or has been pulled out of the trim.
- Never plug the connecting cable into a 230 V power socket that is damaged or has been pulled out of the trim.

DANGER Risk of death due to using the socket incorrectly

In particular, you could receive an electric shock:

- if you touch the inside of the socket
- if you insert unsuitable devices or objects into the socket

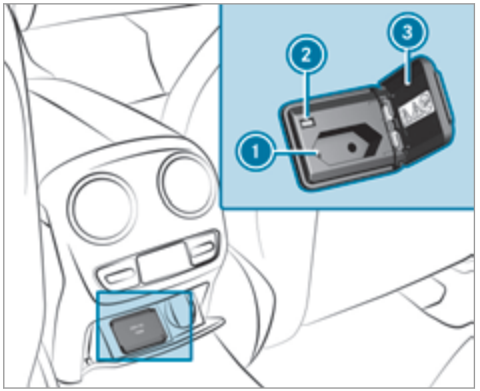
- ▶ Do not touch the inside of the socket.
- ▶ Only connect suitable devices to the socket.

Make sure that no liquids get into the 230 V socket.

When the 230 V socket is not in use, keep the socket flap closed.

Requirements:

- Only connect devices with a suitable plug which conforms to the standards specific to the country you are in.
- Only connect devices up to a maximum of 150 W.
- Do not use multiple socket outlets.



- ▶ Open socket flap (3).
- ▶ Insert the plug of the device into 230 V socket (1).
  When the on-board electrical system voltage is sufficient, indicator lamp (2) lights up.

USB port in the rear passenger compartment

You can charge a USB device, such as a mobile phone, at the USB ports using a suitable charging cable.

When the vehicle is switched on, the devices can be charged with 5 V (up to 3 A).

Wireless charging of the mobile phone and connection with the exterior aerial

Notes on wirelessly charging the 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, luggage nets or stowage nets.
- ▶ Close the lockable stowage spaces before starting a journey.
- ▶ Always stow and secure heavy, hard, pointed, sharp-edged, fragile or bulky objects in the boot/load compartment.

Observe the notes on loading the vehicle.

⚠ **WARNING** Risk of fire from placing objects in the mobile phone stowage compartment

Placing other objects in the mobile phone stowage compartment could constitute a fire hazard.

- ▶ Apart from a mobile phone, do not place any other objects in the mobile phone stowage compartment, especially those made of metal.

! **NOTE** Damage to objects caused by placing them in the mobile phone stowage compartment

If objects are placed in the mobile phone stowage 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 stowage 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.

- Depending on the vehicle equipment, the mobile phone is connected to the vehicle's exterior aerial via the charging module.
- The charging function and wireless connection of the mobile phone to the vehicle's exterior aerial are only available 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 which do not rest flat in the mobile phone stowage compartment may not be able to be charged or connected with the vehicle's exterior aerial.
- The mobile phone may heat up during the charging process. This depends on the applications (apps) currently running.

  The mobile phone can be cooled in the mobile phone stowage compartment when the air conditioning system is switched on. The cooling output in the mobile phone stowage compartment is highest when the controller in the glove box is closed.
- To ensure more efficient charging and connection with the vehicle's exterior aerial, remove the protective cover from the mobile phone.

Protective covers which are designed for wireless charging are excluded.

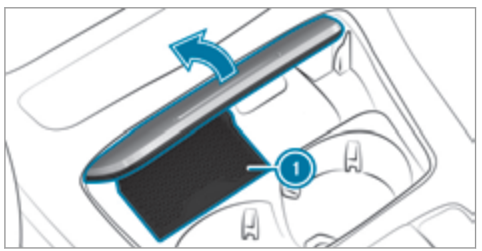
- When charging, the mat should be used if possible.

Charging a mobile phone wirelessly

Requirements:

- The mobile phone is suitable for wireless charging (Qi-compatible mobile phone).

  A list of Qi-compatible mobile phones can be found at: https://www.mercedes-benz-mobile.com.



▶ Place the mobile phone as close to the centre of mat ① as possible with the display facing upwards.
When the charging symbol is shown in the multimedia system, the mobile phone is being charged.

Malfunctions during the charging process are shown in the central display.

ⓘ The mat can be removed for cleaning, e.g. using clean, lukewarm water.

Radio equipment approval numbers for Brazil

This device operates on a secondary basis, that is to say it has no protection against harmful interference, not even from the same type of stations, and must not cause interference with systems operating on a primary basis.

This product is permitted in accordance with the procedure defined in Directive 242/2000 by the Brazilian telecommunications agency ANATEL and meets the applicable technical requirements.

Further information is available on the ANATEL website. www.anatel.gov.br

▶ Further information on the declaration of conformity for vehicle components which receive and/or transmit radio waves.

Fitting and removing the floor mats

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

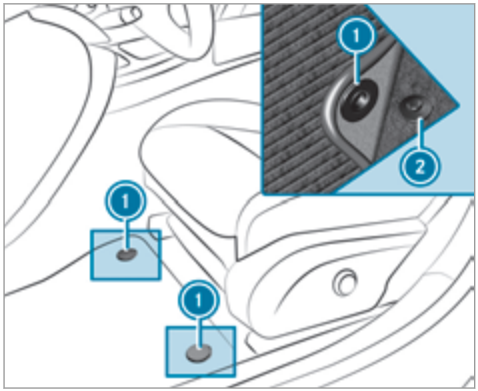
Objects in the driver's footwell may impede pedal travel or block a depressed pedal.

This jeopardises the operating and road safety of the vehicle.

▶ Stow all objects in the vehicle securely so that they cannot get into the driver's footwell.

▶ Always fit the floor mats securely and as prescribed in order to ensure that there is always sufficient room for the pedals.

▶ Do not use loose floor mats and do not place floor mats on top of one another.



- **To fit:** press studs (1) onto holders (2).
- **To remove:** pull the floor mat off holders (2).

Exterior lighting

Notes on adjusting the lights when driving abroad

Vehicles with static LED headlamps: It is not necessary to convert the headlamps. The legal requirements are also met in countries in which traffic drives on the other side of the road.

Vehicles with Intelligent Light System: before crossing the border into countries in which traffic drives on the other side of the road, it is necessary to set the headlamps to symmetrical low beam (⟶ page 142).

Once the headlamps have been converted:

- Oncoming traffic will not be dazzled.
- The edge of the road will not be illuminated as far or as high.
- The "motorway mode" and "enhanced fog light" functions will not be available.

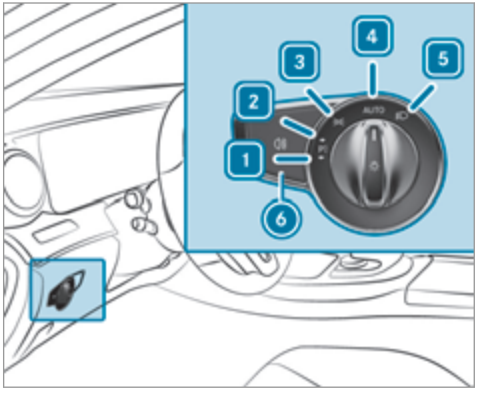
The headlamps must be reset to asymmetrical low beam when you return from abroad.

Information about lighting systems and your responsibility

The various lighting systems of the vehicle are only aids. The driver of the vehicle is responsible for correct vehicle illumination in accordance with the prevailing light and visibility conditions, legal requirements and traffic situation.

Light switch

Operating the light switch



1 Left-hand parking lights
2 Right-hand parking lights
3 Standing lights and licence plate lighting
4 AUTO Automatic driving lights (preferred light switch position)

5 Low beam/high beam

6 Switches the rear fog light on/off

When low beam is activated, the indicator lamp for the standing lights will be deactivated and replaced by the low-beam indicator lamp.

▶ Always park your vehicle safely using sufficient lighting, in accordance with the relevant legal stipulations.

! NOTE Battery discharging by operating the standing lights

Operating the standing lights over a period of hours puts a strain on the battery.

▶ Where possible, switch on the right or left parking light.

For vehicles that are wider than 2 m or longer than 6 m, single-sided parking lighting is not permitted in some countries. In this case, the standing lights are also switched on in the parking lights position.

If the battery is insufficiently charged, the standing lights or parking lights will be switched off automatically to facilitate the next engine start.

The exterior lighting (except standing and parking lights) will switch off automatically when the driver's door is opened.

- Observe the notes on surround lighting (→ page 142).

Automatic driving lights function

When the vehicle is switched on, the standing lights, low beam and daytime running lights are switched on automatically depending on the light conditions.

⚠ WARNING Risk of accident when the dipped beam is switched off in poor visibility

When the light switch is set to AUTO, the dipped beam may not be switched on automatically if there is fog, snow or other causes of poor visibility such as spray.

▶ In such cases, turn the light switch to .

The automatic driving lights are only an aid. You are responsible for vehicle lighting.

Switching the rear fog lights on or off

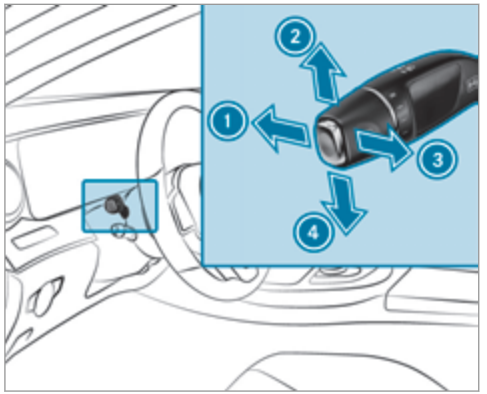
Requirements:

- The light switch is in the or AUTO position.

▶ Press the 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 activate the desired function.

Switching on high beam

▶ Turn the light switch to the [≡D] or [AUTO] position.

▶ Push the combination switch beyond the point of resistance in the direction of arrow 1. When the high beam is activated, the indicator lamp for low beam [≡D] will be deactivated and replaced by the indicator lamp for high beam [≡D].

Switching off high beam

▶ Move the combination switch back to its starting position.

Headlamp flashing

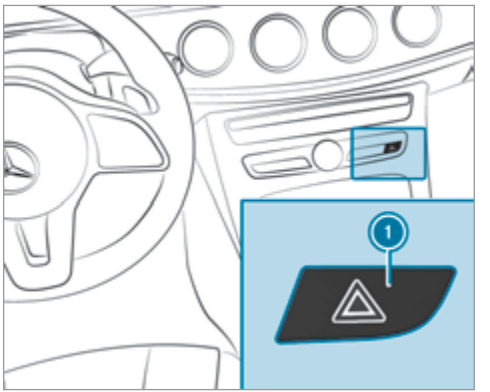
▶ Pull the combination switch in the direction of arrow 3.

Turn signal light

▶ **To indicate briefly:** push the combination switch briefly to the point of resistance in the direction of arrow 2 or 4. The corresponding turn signal light will flash three times.

▶ **To indicate permanently:** push the combination switch beyond the point of resistance in the direction of arrow 2 or 4.

Activating/deactivating the hazard warning lights



▶ Press button 1.

The hazard warning lights will switch on automatically if:

- the airbag has been deployed.
- the vehicle is heavily braked from a speed of more than 70 km/h to a standstill.

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

Adaptive functions, MULTIBEAM LED

Intelligent Light System function

The MULTIBEAM LED headlamps adapt to the driving and weather situation and provide extended functions for improved illumination of the road.

The system comprises the following functions:

- Active headlamps (⟶ page 137)
- Cornering light (⟶ page 137)
- Motorway mode (⟶ page 138)
- Enhanced fog light function (⟶ page 138)
- Bad weather light (⟶ page 138)
- City lighting (⟶ page 138)

The system is active only when it is dark.

Active headlamps function



- The headlamps follow the steering movements.
- Relevant areas are better illuminated during a journey.

The functions are active when the low beam is switched on.

Depending on the vehicle's equipment, the course of the lane in which you are driving will also be evaluated and the active headlamps function will adjust the light in advance.

Cornering light function



The cornering light improves the illumination of the carriageway over a wide angle in the turning direction, enabling better visibility on tight bends, for example. It can be activated only when the low beam is switched on.

The function is active in the following cases:

- At speeds below 40 km/h when the turn signal light is switched on or the steering wheel is turned

- At speeds between 40 km/h and 70 km/h and when the steering wheel is turned

Roundabout and junction function: the cornering light will be activated on both sides based on an evaluation of the vehicle's current GPS position. It will remain active until after the vehicle has left the roundabout or the junction.

Motorway mode function
Motorway mode increases the range and brightness of the cone of light, enabling better visibility.



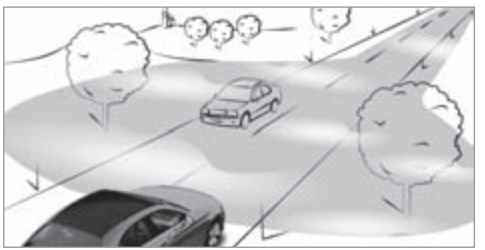
The function will be active if a motorway journey is detected by means of:

- the vehicle's speed
- the multifunction camera
- the navigation system

The function is not active in the following cases:

- at speeds below 80 km/h

Enhanced fog light function
The enhanced fog light function reduces self-dazzling and improves the illumination of the edge of the carriageway.



The function is automatically activated under the following conditions:

- At speeds below 70 km/h and when the rear fog light is switched on.

The function is automatically deactivated under the following conditions:

- When speeds greater than 100 km/h are reached.
- When the rear fog light is switched off.

Function of the bad weather light
The bad weather light reduces reflections in rainy conditions by dimming individual LEDs in the headlamps. The driver and other road users are dazzled less as a result.

The city lighting function
City lighting improves the illumination of roadsides in urban areas using a broad distribution of light.

The function is active in the following cases:

- At low speeds
- In illuminated parts of urban areas

Switching the Intelligent Light System on/off

Requirements:

- The vehicle is switched on.

Multimedia system:

↴ ⌂ ▸▸ Settings ▸▸ Lights ▸▸ Intelligent Light System

▶ Switch the function on or off.

Adaptive Highbeam Assist

Adaptive Highbeam Assist function

⚠ **WARNING** Risk of accident despite Adaptive Highbeam Assist

Adaptive Highbeam Assist does not react to:

- road users without lights, e.g. pedestrians
- road users with poor lighting, e.g. cyclists
- road users whose lighting is obstructed, e.g. by a barrier

On very rare occasions, Adaptive Highbeam Assist may fail to recognise other road users with their own lighting, or may recognise them too late.

In these, or in similar situations, the automatic high beam will not be deactivated or will be activated despite the presence of other road users.

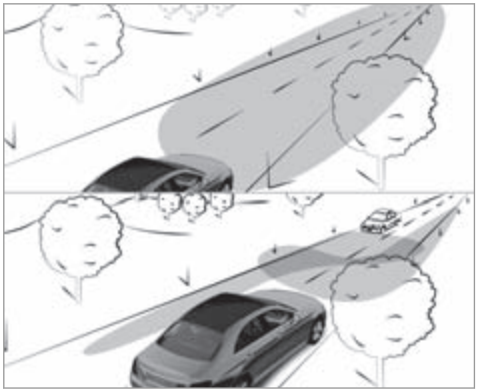
▶ Always observe the road and traffic conditions carefully and switch off the high beam in good time.

Adaptive Highbeam Assist cannot take into account road, weather or traffic conditions.

Detection may be restricted in the following cases:

- In poor visibility, e.g. fog, heavy rain or snow
- If there is dirt on the sensors or the sensors are obscured

Adaptive Highbeam Assist is only an aid. You are responsible for adjusting the vehicle's lighting to the prevailing light, visibility and traffic conditions.



Adaptive Highbeam Assist automatically switches between the following types of light:

- Low beam
- High beam

At speeds greater than 30 km/h:

- If no other road users are detected, the high beam will switch on automatically.

The high beam will switch off automatically in the following cases:

- At speeds below 25 km/h
- If other road users are detected
- If street lighting is sufficient

ⓘ The system's optical sensor is located behind the windscreen near the overhead control panel.

Switching Adaptive Highbeam Assist on/off

Switching on

- ▶ Turn the light switch to the AUTO position.
- ▶ Switch on the high beam using the combination switch.
  If Adaptive Highbeam Assist is activated, the indicator lamp will light up on the central display section of the instrument display.

Switching off

- ▶ Switch off the high beam using the combination switch.

Adaptive Highbeam Assist Plus

Adaptive Highbeam Assist Plus function

⚠ **WARNING** Risk of accident despite Adaptive Highbeam Assist Plus

Adaptive Highbeam Assist Plus does not react to:

- road users without lights, e.g. pedestrians
- road users with poor lighting, e.g. cyclists
- road users whose lighting is obstructed, e.g. by a barrier

On very rare occasions, Adaptive Highbeam Assist Plus may fail to recognise other road users with their own lighting, or may recognise them too late.

In these, or in similar situations, the automatic high beam will not be deactivated or will be activated despite the presence of other road users.

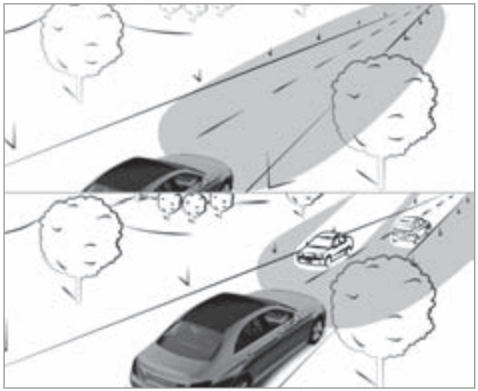
- ▶ Always observe the road and traffic conditions carefully and switch off the high beam in good time.

Adaptive Highbeam Assist Plus cannot take into account road, weather or traffic conditions.

Detection may be restricted in the following cases:

- in poor visibility, e.g. fog, heavy rain or snow
- if there is dirt on the sensors or the sensors are obscured

Adaptive Highbeam Assist Plus is only an aid. You are responsible for adjusting the vehicle's lighting to the prevailing light, visibility and traffic conditions.



Adaptive Highbeam Assist Plus automatically switches between the following types of light:

- Low beam
- Partial high beam
- High beam
- ULTRA RANGE Highbeam

ULTRA RANGE Highbeam increases the brightness of the cone of light to the legally permitted maximum.

Partial high beam does not include other road users in the high beam area. It does not dazzle them but enables full high beam illumination for the driver apart from the excluded vehicles.

At speeds below 25 km/h or when there is sufficient street lighting:

- The partial high beam and the high beam will be switched off automatically.

At speeds greater than 30 km/h:

- If no other road users are detected, the high beam will switch on automatically.
- If other road users are detected, the partial high beam will switch on automatically.

At speeds above 40 km/h:

- If no other road users are detected on a straight road, ULTRA RANGE Highbeam will be switched on automatically.
- If other road users are detected, the partial high beam will switch on automatically.
- If highly reflective signs are detected, ULTRA RANGE Highbeam will be switched off automatically.

ⓘ The system's optical sensor is located behind the windscreen near the overhead control panel.

Switching Adaptive Highbeam Assist Plus on/off

Switching on

▶ Turn the light switch to the AUTO position.

▶ Switch on the high beam using the combination switch.
When the high beam is switched on automatically in the dark, the indicator lamp will light up on the central display section of the instrument display.

Switching off

▶ Switch off the high beam using the combination switch.

Setting the low beam (vehicles with MULTIBEAM LED headlamps only)

Multimedia system:

→ ⌂ ▸▸ Settings ▸▸ Lights ▸▸ Dipped-beams

▶ Select Right-side traffic, Left-side traffic or Automatic.

Setting the exterior lighting switch-off delay time

Requirements:

- The light switch is in the AUTO position.

Multimedia system:

→ ⌂ ▸▸ Settings ▸▸ Lights ▸▸ Ext. light. del. sw. off

▶ Set the switch-off delay time.
When the vehicle engine is switched off, the exterior lighting will be activated for the set time.

Switching the surround lighting on/off

Multimedia system:

→ ⌂ ▸▸ Settings ▸▸ Lights ▸▸ Surround lighting

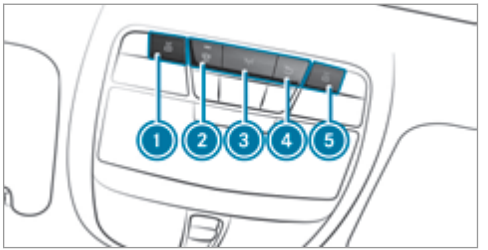
When Surround lighting is active, the exterior lighting lights up for 40 seconds after the vehicle is unlocked. When you start the vehicle, the surround lighting is deactivated and the automatic driving lights are activated.

▶ Activate or deactivate the function.

Interior lighting

Adjusting the interior lighting

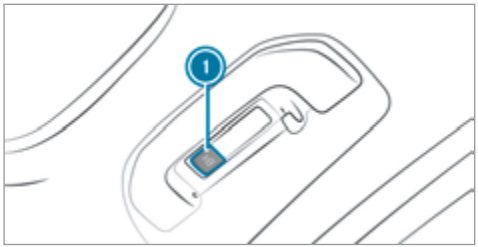
Front overhead control panel



1. Front left reading lamp
2. Automatic interior lighting control
3. Front interior lighting
4. Rear interior lighting
5. Front right reading lamp

▶ **To switch on/off:** press button 1 – 5 accordingly.

Control panel in the grab handle



① Rear reading lamp

- **To switch on/off:** press button ①.

Adjusting the ambient lighting

Multimedia system:

→ ⌂ ▸▸ Comfort ▸▸ Ambient lighting

Setting the colour

- Select Colour.
- Set the desired colour.

Adjusting the brightness

- Select Brightness.
- Adjust the brightness.

Activating the brightness for zones

- Select Brightness.
- Select Brightness zones.
- Switch the function on or off.

or

- Set the brightness for the desired zones.

Activating multi-coloured lighting

- Select Colour.
- Select Multi-colour.
- Select a colour combination.

Activating multi-coloured animation

- Select Colour.
- Select Multi-colour animat..

The chosen colour combination will change at predefined intervals.

Activating welcome lighting

- Select Colour.
- Select Welcome.

When the vehicle is unlocked, a special ambient lighting sequence will run.

Activating dependency on air conditioning settings

- Select Colour.
- Select Climate.

If changes are made to the temperature setting in the vehicle, the colour of the ambient lighting will change briefly.

Switching the interior lighting switch-off delay time on/off

Multimedia system:

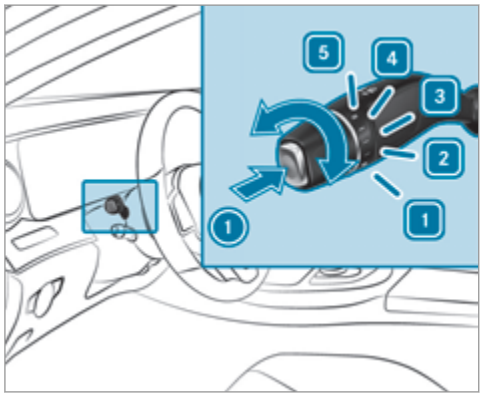
→ ⌂ ▸▸ Settings ▸▸ Lights ▸▸ Int. light. del. sw. off

- Switch the switch-off delay time on or off.

When this function is active, the interior lighting lights up for a short time after the vehicle is locked.

Windscreen wipers and windscreen washer system

Switching the windscreen wipers on/off



1 0 Windscreen wipers off
2 ••• Intermittent wiping, normal
3 •••• Intermittent wiping, frequent
4 — Continuous wiping, slow
5 = Continuous wiping, fast

- Turn the combination switch to the corresponding position 1 - 5.
- **Single wipe/washing:** push the button on the combination switch in the direction of arrow 1.
  - Single wipe
  - Wiping with washer fluid

ⓘ Observe the notes on washing the vehicle in a car wash (→ page 367).

Replacing the windscreen wiper blades

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

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

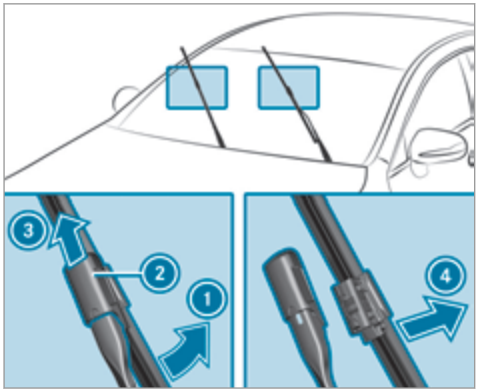
- Always switch off the windscreen wipers and vehicle before changing the wiper blades.

Moving the wiper arms into the replacement position

- Switch the vehicle on and then off again immediately.
- Within around 15 seconds, press and hold the button on the combination switch for approximately three seconds (→ page 144). The wiper arms will move into the replacement position.

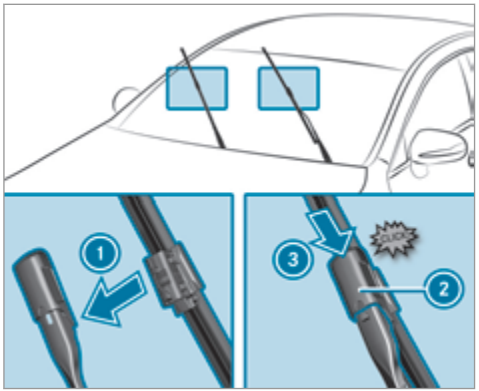
Removing the wiper blades

- Fold the wiper arms away from the windscreen.



- 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).

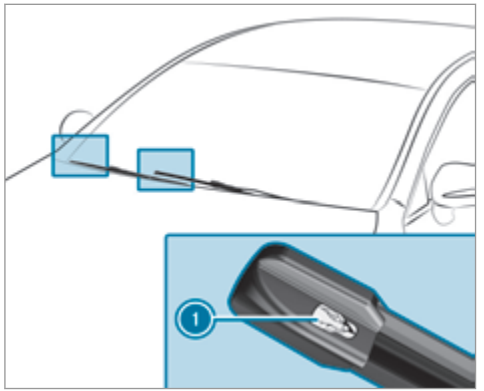
Fitting the wiper blades



- 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 windscreen.
- Switch on the vehicle.
- Press the button on the combination switch.
  The wiper arms will return to their original positions.
- Switch off the vehicle.

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

Maintenance display



▶ Remove protective film (1) from the maintenance displays on the tips of the newly fitted wiper blades.

When the colour of the maintenance displays changes from black to yellow, replace the wiper blades.

ⓘ The duration until the colour changes varies depending on the usage conditions.

Mirrors

Operating the outside mirrors

⚠ **WARNING** Risk of accident due to adjusting the vehicle settings while the vehicle is in motion

You could lose control of the vehicle in the following situations in particular:

- if you adjust the driver's seat, the head restraint, the steering wheel or the mirror while the vehicle is in motion
- if you fasten your seat belt while the vehicle is in motion

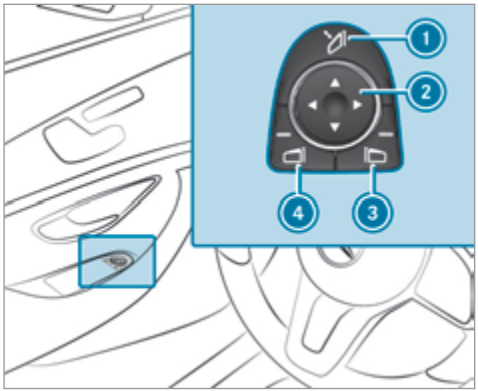
▶ Before starting the vehicle: in particular, adjust the driver's seat, head restraint, steering wheel and mirror, and fasten your seat belt.

⚠ **WARNING** Risk of accident due to misjudgement of distance when using the outside mirror

The outside mirrors reflect objects on a smaller scale. The objects in view are in fact closer than they appear.

▶ Therefore, always look over your shoulder in order to ensure that you are aware of the actual distance between you and the road users driving behind you.

Folding the outside mirrors in/out



- Briefly press button (1).

Resetting the outside mirrors

(i) If the battery has been disconnected or completely discharged, the outside mirrors must be reset. Only then will the automatic mirror folding function work properly.

- Briefly press button (1).

Adjusting the outside mirrors

- Press button (3) or (4) to select the outside mirror to be adjusted.
- Press button (2) to adjust the position of the mirror glass.

Engaging the outside mirrors

- Vehicles without electrically folding outside mirrors: manually move the outside mirror into the correct position.
- Vehicles with electrically folding outside mirrors: press and hold button (1).
  You will hear a click and the mirror will audibly click into place. The outside mirror will now be set to the correct position.

Automatic anti-dazzle mirrors function

WARNING Risk of acid burns and poisoning due to the anti-dazzle mirror electrolyte

Electrolyte may escape if the glass in an automatic anti-dazzle mirror breaks.

The electrolyte is hazardous to health and causes irritation. It must not come into contact with your skin, eyes, respiratory organs or clothing or be swallowed.

- If you come into contact with electrolyte, observe the following:
  - Immediately rinse the electrolyte from your skin with water and seek medical attention.
  - If electrolyte comes into contact with your eyes, immediately rinse them thoroughly with clean water and seek medical attention.
  - If the electrolyte is swallowed, immediately rinse your mouth out thoroughly. Do not induce vomiting. Seek medical attention immediately.
  - Immediately change out of clothing which has been contaminated with electrolyte.
  - If an allergic reaction occurs, seek medical attention immediately.

The inside rear-view mirror and the outside mirror on the driver's side will automatically go into anti-dazzle mode if light from a headlamp hits the sensor on the inside rear-view mirror.

System limits

The system will not go into anti-dazzle mode if:

- the vehicle is switched off.
- Reverse gear is engaged.
- The interior lighting is switched on.

Front-passenger outside mirror parking position function

The parking position makes parking easier.

The front-passenger outside mirror will swivel downwards in the direction of the rear wheel on the front passenger's side when:

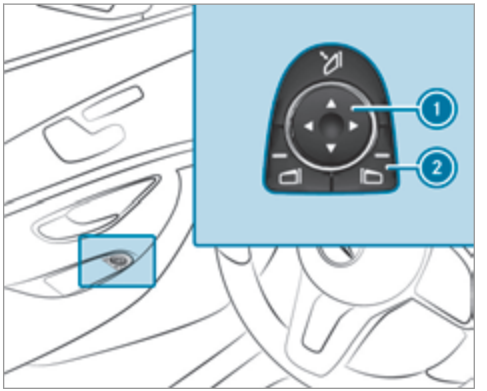
- the parking position is stored (⟶ page 148).
- the front-passenger mirror is selected.
- reverse gear is engaged.

The front-passenger outside mirror will move back to its original position when:

- you shift the transmission to another transmission position.
- you are travelling at a speed greater than 15 km/h.
- you press the button for the outside mirror on the driver's side.

Storing the parking position of the front-passenger outside mirror using reverse gear

Storing



▶ 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 to the stored parking position.

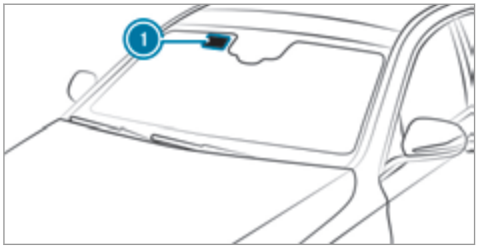
Activating/deactivating the automatic mirror folding function

Multimedia system:

→ ⌂ ▸▸ Settings ▸▸ Vehicle

- Switch Automatic fold-in on or off.

Area permeable to radio waves on the windscreen



Radio-controlled equipment, e.g. toll systems, can be mounted only on areas of the windscreen that are permeable to radio waves (1).

The area permeable to radio waves (1) is best visible from outside the vehicle when the windscreen is illuminated with an additional light source.

Infrared-reflective windscreen function

The infrared-reflective windscreen is coated and reduces the build-up of heat in the vehicle interior.

The coating shields the vehicle interior from radio waves.

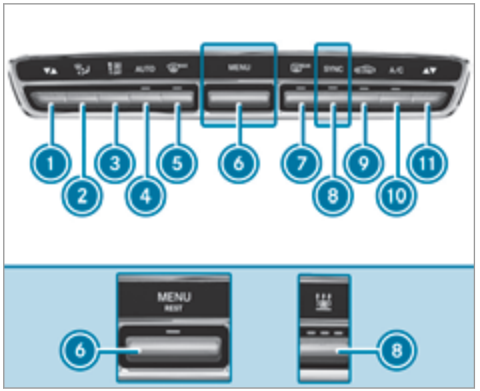
Overview of climate control systems

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 air conditioning control panel

The indicator lamps on the buttons indicate that the corresponding function is activated.



THERMATIC air conditioning control panel with/without stationary heater (example)

1. ▼▲ Sets the temperature, left
2. Sets the air distribution
3. Sets the airflow or switches off climate control
4. AUTO Sets climate control to automatic mode (→ page 152)
5. MAX Demists the windscreen
6. Vehicles with THERMATIC air conditioning control panel (without stationary heater): MENU calls up the air conditioning menu
   Vehicles with THERMATIC air conditioning control panel (with stationary heater, plug-in hybrid) or THERMOTRONIC air conditioning control panel (with/without stationary heater, plug-in hybrid): MENU REST calls up the air conditioning menu, switches residual heat on/off (→ page 153)
7. REAR Switches the rear window heater on/off
8. Vehicles with THERMATIC air conditioning control panel without stationary heater: SYNC switches synchronisation on/off (→ page 152)
   Vehicles with THERMOTRONIC air conditioning control panel without stationary heater: A/C switches the A/C function on/off (→ page 151)
   Vehicles with a stationary heater: switches the stationary heater on/off (→ page 158)

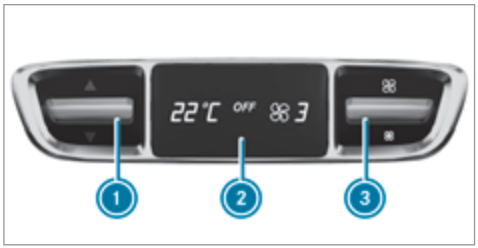
Plug-in hybrid: [⚙] activates/deactivates "Immediate pre-entry climate control" (→ page 157)

9 [🚗] Switches air-recirculation mode on/off (→ page 153)

10 Vehicles with THERMATIC air conditioning control panel: [A/C] switches the A/C function on/off (→ page 151)
Vehicles with THERMOTRONIC air conditioning control panel: [💨] adjusts the air distribution, right

11 [▼▲] Sets the temperature, right

Rear operating unit in vehicles with THERMOTRONIC air conditioning control panel



1 Sets the temperature
2 Display
3 Sets the airflow

Operating the climate control system

Switching climate control on/off

- **To switch on:** set the airflow to level 1 or higher using the [⚙ OFF] button.
- **To switch off:** set the airflow to level 0 using the [⚙ OFF] button.

If climate control is switched off, the windows may mist up more quickly. Switch climate control off only briefly.

Switching the A/C function on/off using the air conditioning control panel

The A/C function heats, cools and dehumidifies the vehicle's interior air.

- Press the [A/C] button.

Switch off the A/C function only briefly; otherwise, the windows may mist up more quickly.

Condensation may drip from the underside of the vehicle when cooling mode is active. This is not indicative of a fault.

Calling up the air conditioning menu

Calling up the air conditioning menu using the multimedia system

- Select one of the temperature displays at the lower edge of the media display.

Calling up the air-conditioning menu using the button on the climate control panel

- Press the MENU REST button on the climate control panel.

Activating/deactivating the A/C function via the multimedia system

The A/C function heats, cools and dehumidifies the vehicle's interior air.

- Call up the air-conditioning menu (→ page 151).
- Select First row of seats.
- Select A/C.

Setting climate control to automatic mode

In automatic mode, the set temperature is controlled and maintained at a constant level by the air supply.

- Press the AUTO button.
- **To switch to manual mode:** press the OFF or button.

Climate style

Climate style function

The following climate styles are available in automatic mode:

- **FOCUS:** high airflow, slightly cooler setting
- **MEDIUM:** medium airflow, standard setting
- **DIFFUSE:** low airflow, slightly warmer and draught-free setting

Setting the climate style

- Call up the air conditioning menu (→ page 151).
- Select First row of seats or Second row of seats.
- Call up the CLIMATE MODE menu.
- Select a climate style.

Setting the air distribution

- Call up the air conditioning menu (→ page 151).
- Select a row of seats.
- **To set the air distribution: select** , or .
- Set the airflow.

ⓘ Several air distribution options can be selected at the same time, for example to set the climate control for the windscreen and the footwells simultaneously.
The climate control for the windscreen can only be selected for the first seat row.

Activating/deactivating the climate control synchronisation function via the air conditioning control panel

Climate control can be set centrally using the synchronisation function. The temperature and air distribution settings for the driver's side will be adopted automatically for the front passenger side.

- Press the SYNC button.

The synchronisation function will be deactivated if the settings for one of the other climate control zones are changed.

Activating/deactivating the climate control synchronisation function via the multimedia system

Climate control can be set centrally using the synchronisation function. The driver's settings for temperature, air quantity and air distribution are adopted automatically for all climate zones.

- Call up the air conditioning menu (→ page 151).
- Select First row of seats.
- Select SYNC.

Demisting the windows

Windows misted up on the inside

- Press the AUTO button.
- If the windows continue to mist up: press the MAX button.

Windows misted up on the outside

- Switch on the windscreen wipers.
- Press the AUTO button.

Switching air-recirculation mode on/off

- Press the button.
  The interior air will be recirculated.

Air-recirculation mode automatically switches to fresh air mode after a while.

ⓘ If air-recirculation mode is switched on, the windows may mist up more quickly. Switch on air-recirculation mode only briefly.

Switching the residual heat on/off

Requirements:

- The vehicle is parked.

It is possible to make use of the residual heat from the engine to continue heating or ventilating the front compartment of the vehicle for approximately 30 minutes.

- **To switch on:** press the MENU REST button.

Residual heat is switched off automatically.

Activating/deactivating ionisation

Ionisation improves the quality of the vehicle's interior air. Ionisation of the interior air is odourless.

- Call up the air conditioning menu (→ page 151).
- Select Air quality.
- Select IONISATION.

Fragrance system

Setting the fragrance system

Requirements:

- Automatic climate control is activated.
- The glove compartment is closed.

The fragrance system distributes a pleasant fragrance throughout the vehicle interior from a flacon located in the glove box.

- Call up the air conditioning menu (→ page 151).
- Select Air quality.

- Select AIR FRESHENER.
- Keep pressing until the desired intensity is reached.

Inserting or 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.

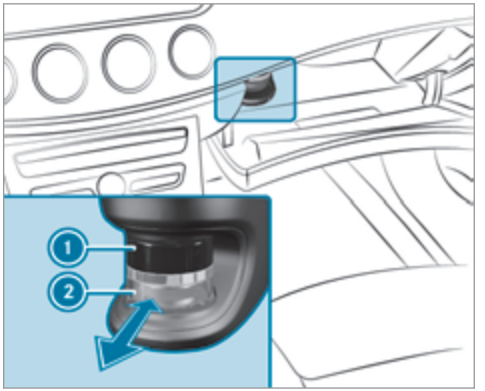
ENVIRONMENTAL NOTE Environmental damage due to improper disposal of full flacons



Full flacons must not be disposed of with household waste.

- 

Full flacons must be taken to a harmful substance collection point.



1. Cap
2. Flacon

- **To insert:** slide the flacon into the holder as far as it will go.
- **To remove:** pull out the flacon.

If you do not use genuine Mercedes-Benz interior perfumes, observe the manufacturers' safety notices on the perfume packaging.

Dispose of the genuine Mercedes-Benz interior perfume 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 15 ml.
- Screw the cap back on to the flacon.

Always refill the empty refillable flacon with the same perfume. Observe the separate information sheet with the flacon.

Information on the windscreen heater

The windscreen heater is switched on automatically if the MAX button is activated.

After the vehicle is started, the windscreen heater will be switched on automatically as required.

Pre-entry climate control using the key

Function of pre-entry climate control using the key

Before entering the vehicle, the driver's seat area or the whole vehicle interior can be briefly pre-warmed or pre-cooled.

When pre-cooling, the following functions are activated as needed:

- Automatic climate control
- Blower
- Seat ventilation

When pre-heating, the following functions are activated as needed:

- Automatic climate control
- Blower
- Seat heater
- Steering wheel heater
- Panel heating
- Mirror heater
- Rear window heater
- Fragrancing
- Ionisation

Setting pre-entry climate control via key

- Call up the air conditioning menu.
- Select Pre-entry climate ctrl.

Turning on/off

- Select ⚙.
- Select Pre-entry climate control via key.

Switching pre-entry climate control via the key on/off

Requirements:

- The high-voltage battery is charged sufficiently.
- The function has been activated via the multimedia system.

- **To switch on:** unlock the vehicle.
  The climate control functions are activated for up to five minutes for pre-heating and pre-cooling.

Pre-entry climate control via the key cannot be activated more than twice when the vehicle is switched off.

- **To switch off:** push the button up or down.

The following functions will remain active once the vehicle has been started:

- Seat heating
- Seat ventilation
- Panel heating
- Fragrancing
- Ionisation

Pre-entry climate control at departure time

Pre-entry climate control for departure time function

WARNING Danger to life due to exposure to extreme heat or cold in the vehicle

If people, particularly children, are exposed to extreme temperatures over an extended period of time, there is a risk of serious injury or danger to life.

- Never leave persons, children in particular, unattended in the vehicle.

The vehicle interior can be air conditioned when the vehicle is parked.

When the vehicle is connected to power supply equipment, priority is given to charging the high-voltage battery to a specified minimum charge.

The running time of pre-entry climate control may be reduced under the following conditions:

- The vehicle is not connected to power supply equipment.
- The high-voltage battery is not charged sufficiently.

With active pre-entry climate control, the charge level of the high-voltage battery may be reduced, even if the charging cable connector is connected.

For cooling, the following functions are activated as needed:

- Automatic climate control
- Blower
- Seat ventilation

For heating, the following functions are activated as needed:

- Automatic climate control
- Blower
- Seat heating
- Steering wheel heater
- Panel heating
- Mirror heater
- Rear window heater
- Fragrancing
- Ionisation

Setting pre-entry climate control for departure time

- Call up the air conditioning menu.
- Select Pre-entry climate ctrl.

Setting a single departure time

- Select ONCE.
- Set a departure time.

Changing the active departure time

- Select the pen icon next to the displayed departure time.
- Set a departure time.

Setting the week profile

- Select WEEK PROFILE.
- Set the desired departure times, e.g. every day at 08:00.

Selecting the zone

- Select ☼.
- Select Driver's seat only.
  If the Driver's seat only setting is deactivated, pre-entry climate control takes place for the entire vehicle.

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 156).
  Pre-entry climate control for departure time switches on a maximum of 55 minutes before the selected departure time. It will remain active for another five minutes if the departure is delayed.
- **To deactivate:** push the button up or down.

The following functions will remain active once the vehicle has been started:

- Seat heating
- Seat ventilation
- Panel heating
- Fragrancing
- Ionisation

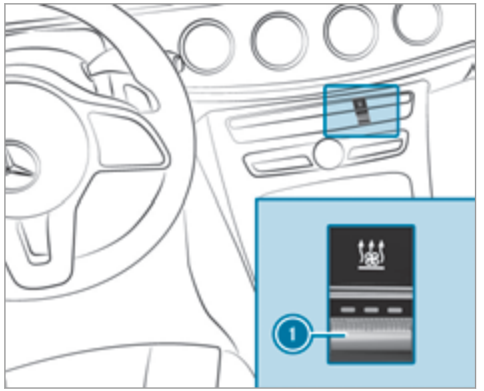
Activating/deactivating immediate pre-entry climate control

WARNING Danger to life due to exposure to extreme heat or cold in the vehicle

If people, particularly children, are exposed to extreme temperatures over an extended period of time, there is a risk of serious injury or danger to life.

- Never leave persons, children in particular, unattended in the vehicle.

Air conditioning of the vehicle interior can continue for up to 50 minutes, e.g. if the journey is interrupted.



The colours of the indicator lamp have the following meanings:

- **Blue:** cooling is activated.
- **Red:** heating is activated.
- **Yellow:** the departure time has been preselected.

▶ Set the desired temperature using the ▼▲ button.

▶ Press button (1).
The red or blue indicator lamp on button (1) will light up or go out.

Stationary heater/ventilation

Stationary heater/stationary ventilation function

The following functions are performed:

- The air inside the vehicle is heated or ventilated to the set temperature.
- The air inside the vehicle cannot be cooled down to temperatures below the outside temperature.
- If the outside temperature changes, ventilation mode automatically switches to heating mode or heating mode automatically switches to ventilation mode.

The stationary heater and the exhaust gas outlet are situated at the right-hand front wheel.

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

⚠ **DANGER** Risk of fatal injury due to poisonous exhaust gases

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

▶ Always switch the stationary heater off in enclosed spaces without an air extraction system, e.g. in garages.

▶ Keep the tailpipe and the area around the vehicle free from snow when the vehicle or the auxiliary heating is running.

▶ Open a door or a roof hatch on the windward side of the vehicle to ensure an adequate supply of fresh air.

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

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

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

NOTE Battery discharge caused by stationary heater or stationary ventilation operation

Operating the stationary heater or stationary ventilation drains the battery.

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

Requirements:

- The fuel tank is filled to at least the reserve level.

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

The colours of the indicator lamp have the following meanings:

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

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

Operation using the app: the stationary heater/ventilation can also be operated via the Mercedes me connect app. You can find further information in the separate Owner's Manual at https://moba.i.daimler.com/markets/ece-row/baix/cars/connectme/en_GB/#emotions/Startseite.html.

Setting the stationary heater/ventilation via the multimedia system

- To call up the air conditioning menu (→ page 151).
- Select Auxiliary heating.

Selecting the departure time

- Select the time TIME A: XX, TIME B: XX or TIME C: XX.

Setting the departure time

- Select the time TIME A: XX, TIME B: XX or TIME C: XX.
- Select the pen beside the time.
- Set a time.

Setting the stationary heater/ventilation via remote control

Requirements:

- The fuel tank is filled to at least the reserve level.

Switching on immediately



- Press and hold the ON button.

Setting the departure time

- Briefly press button ON .
- Press the ◁ or ▷ button repeatedly until the time to be changed appears on the display.
- Press the ON and OFF buttons simultaneously.
  The ◷ symbol on the remote control display will flash.
- Use the ◁ and ▷ buttons to set the desired departure time.
- Press the ON and OFF buttons simultaneously.
  The new departure time will be stored.

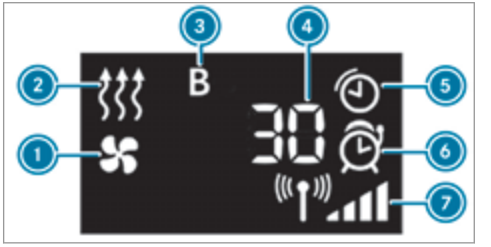
Up to three departure times can be stored.

- **To activate the departure time:** select the desired departure time and press and hold the ON button.
  The ◷ symbol, the departure time and, depending on the selected departure time, the letter **A, B** or **C** will appear on the display.
- **To deactivate the departure time:** select the desired departure time and press and hold the OFF button.
  OFF will appear on the display.
- **To check the status of the active stationary heater:** briefly press the ON button.

Switching off immediately

- Press and hold the OFF button.

Overview of the remote control displays (stationary heater/ventilation)



1. Stationary ventilation switched on
2. Stationary heater switched on
3. Selected departure time
4. Remaining time for the stationary heater/ventilation (in minutes)
5. Stationary heater/ventilation active
6. Departure time activated
7. Signal strength

Further possible displays:

- **Time:** the activated departure time.
- **Zero minutes:** the running time for the stationary heater is extended because the engine has not yet reached operating temperature when it is started.
- **OFF:** the stationary heater/ventilation is switched off.

Replacing the remote control battery (stationary heater)

⚠ **DANGER** Risk of fatal injuries if batteries are swallowed

Batteries contain toxic and corrosive substances. Swallowing batteries may cause severe internal burns within two hours.

There is a risk of fatal injury.

- ▶ Keep batteries out of the reach of children.
- ▶ If the cover and/or lid of the battery compartment does not close securely, do not use the key and keep it away from children.
- ▶ If batteries are swallowed, seek medical attention immediately.

ENVIRONMENTAL NOTE Environmental damage due to improper disposal of batteries



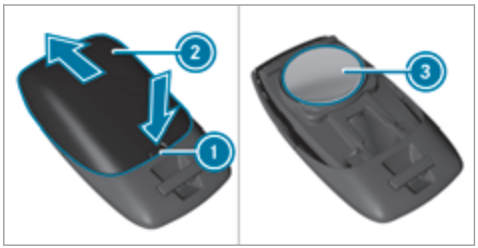
Batteries contain toxic and corrosive substances.

- ▶  Take discharged batteries to a qualified specialist workshop or to a collection point for used batteries.

Requirements:

- One CR2450 lithium battery

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



- ▶ Push a pointed object into recess (1).
- ▶ Slide battery cover (2) backwards in the direction of the arrow and remove the empty battery.
- ▶ Insert new battery (3) with the lettering facing upwards.
- ▶ Slide battery cover (2) in the opposite direction to the arrow onto the remote control until the battery cover engages.

Rectifying problems with the remote control for the stationary heater/ventilation

FAIL appears on the remote control display

Possible cause:

- The signal transmission between the transmitter and receiver is malfunctioning.

▶ Change your position in relation to the vehicle, moving closer if necessary.

FAIL appears on the remote control display

Possible cause:

- The starter battery is not sufficiently charged.

▶ Charge the starter battery.

- The fuel tank content is below the reserve fuel level.

▶ Refuel at the nearest filling station.

FAIL appears on the remote control display

Possible cause:

- There is a malfunction in the stationary heater.

▶ Have the stationary heater checked at a qualified specialist workshop.

Air vents

Adjusting the front air vents

WARNING Risk of burns or frostbite due to being too close to the air vents

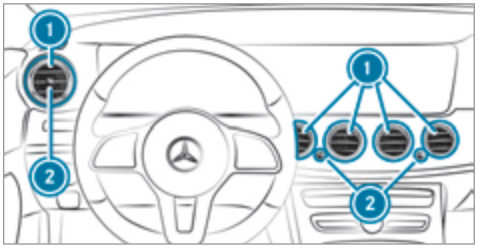
Very hot or very cold air can flow from the air vents.

▶ 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, comply with the following:

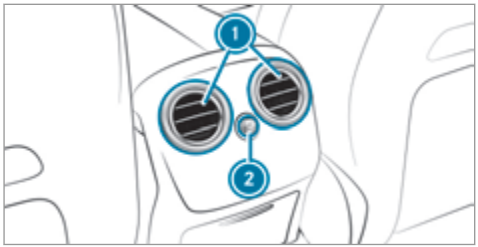
- Always keep the vents and ventilation grilles in the vehicle interior clear.
- Keep the air inlet free of deposits (→ page 367).



▶ **To open or close:** turn controller (2) to the left or right as far as it will go.

▶ **To adjust the air direction:** hold air vent (1) in the centre and move it up or down or to the left or right.

Adjusting the rear air vents



- **To open or close:** turn controller (2) to the left or right as far as it will go.
- **To set the airflow direction:** hold air vent (1) in the centre and move it up or down or to the left or right.

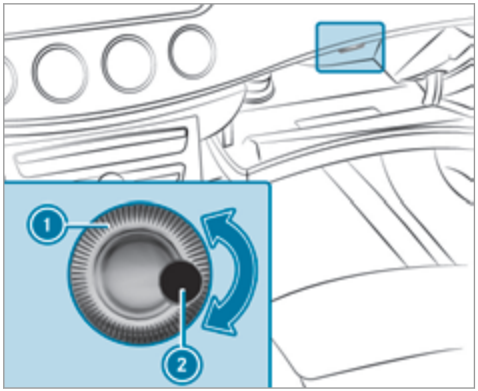
Opening or closing the air vent in the glove box

NOTE Damage to temperature-sensitive objects in the glove box

Temperature-sensitive objects stored in the glove box may be damaged by the air vent located inside the glove compartment.

- Close the air vent when you heat the vehicle.
- At high outside temperatures, open the air vent and switch on the A/C function.

The automatic climate control must be switched on to cool the glove box.



(1) Air vent controller
(2) Air vent

- **To open or close:** turn controller (1) to the right or left.

Driving

Notes on Mercedes-AMG vehicles

Observe the notes on the following topics in the Supplement, otherwise you may fail to recognise dangers.

ⓘ The availability of certain functions depends on the equipment and model of the vehicle.

- Emotion Start
- AMG performance exhaust system
- AMG ceramic high-performance composite brake system
- RACE START
- DRIFT MODE
- AMG RIDE CONTROL +
- AMG steering-wheel buttons

Notes on plug-in hybrids

Notes on plug-in hybrid operation

⚠ **WARNING** Risk of chemical burns and poisoning from damaged high-voltage battery

If the housing of the high-voltage battery has been damaged, electrolyte and gases may leak out.

- ▶ Avoid contact with the skin, eyes or clothing.
- ▶ Immediately rinse electrolyte splashes off with water and seek medical attention straight away.

⚠ **DANGER** Risk of explosion from excessive internal pressure of the high-voltage battery

Flammable gas may escape and ignite in the event of a vehicle fire.

- ▶ Stop the charging process immediately in case of unusual odours, smoke or burn marks.
- ▶ Leave the danger zone immediately. Secure the danger zone at a sufficient distance.
- ▶ Call the fire brigade.

The hybrid system combines a combustion engine with an electric motor.

Characteristics when the vehicle is at a standstill:

- The combustion engine is generally switched off.
- Idle speed only occurs in certain instances.

Characteristics when starting the vehicle:

- If the high-voltage battery is sufficiently charged, the vehicle can be started with the electric drive without the combustion engine (noiseless start).
- If the high-voltage battery for the electrical drive is not sufficiently charged or the operating temperature of the combustion engine has not been reached, the vehicle can start with the combustion engine.

ⓘ Depending on the system, it may happen that even though the high-voltage battery is charged, electric mode has restricted or no availability. Once the combustion engine has been operated for long enough, electric mode is again available without restriction.

Characteristics with moderate power output requests:

- The combustion engine is switched off as often as possible during the journey.
- The vehicle can, depending on the drive program selected and the battery charge level, be accelerated electrically up to speeds of about 140 km/h.

Characteristics with high power output requests:

- The electric motor supports the combustion engine (boost effect), e.g. when pulling away or accelerating.
- The high-voltage battery is discharging.

Characteristics when releasing the accelerator pedal during the journey:

- The electric motor is operated as a alternator when in overrun mode and during braking.
- The high-voltage battery is charging.

Notes on electric mode:

- Vehicles with hybrid systems generate significantly less noise when stationary and when being driven than vehicles with combustion engines.
- When driving in electric mode, the vehicle may not be heard by other road users due to the significantly reduced noise generated.

  It is for this reason that the vehicle is equipped with a sound generator, which serves as an acoustic vehicle warning system (AVAS).
- If not all of the vehicle conditions for electric mode are met, then the combustion engine is switched on.

ⓘ **Vehicles with diesel particulate filters:** During the regeneration of the diesel particulate filter, the drive programmes are not available or are restricted and the battery charge level may change.

Notes on the acoustic vehicle warning system:

- The sound generator generates speed-dependent vehicle noise emissions when driving forward or backing up at a speed of up to around 30 km/h.
- This helps other road users, particularly pedestrians and cyclists, to hear your vehicle better.
- When driving at speeds above 20 km/h The vehicle acoustic warning system gradually switches off.
- The sound generator is off when the vehicle is stationary.

Manual disconnection of 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 vehicle underbody, components of the high-voltage electrical system may be damaged although the damage is not visible.

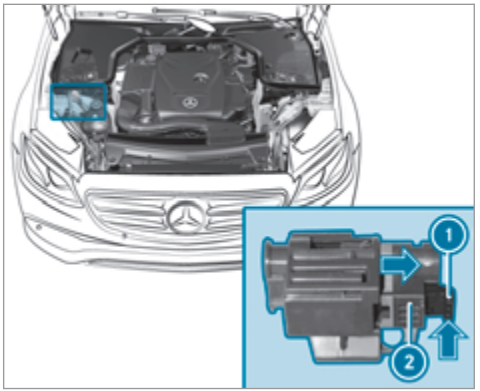
- ▶ Never make any modifications to the high-voltage on-board electrical system.
- ▶ Do not switch on or use the vehicle if its high-voltage on-board electrical system components have been modified or damaged.
- ▶ Never touch damaged components of the high-voltage on-board electrical system.
- ▶ After 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] restraint system warning lamp lights up in the Instrument Display, e.g. after an accident.
- The vehicle is badly damaged, e.g. after an accident, and the restraint system components have not been triggered.

Operating the high-voltage disconnect device



- ▶ Switch off the vehicle.
- ▶ Shift the transmission to position P.
- ▶ Apply the electric parking brake.
- ▶ Secure the vehicle against rolling away.
- ▶ Open the bonnet.

- Press release tab (1) in the direction of the arrow and pull it out.
- Pull high-voltage disconnect device (2) in the direction of the arrow until it engages.
  The high-voltage on-board electrical system is switched off.

All work on the hybrid drive system (including after disconnecting the high-voltage on-board electrical system manually) may only be carried out by a qualified specialist workshop.

Switching on the power supply or the vehicle

WARNING Risk of accident and injury due to leaving children 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.

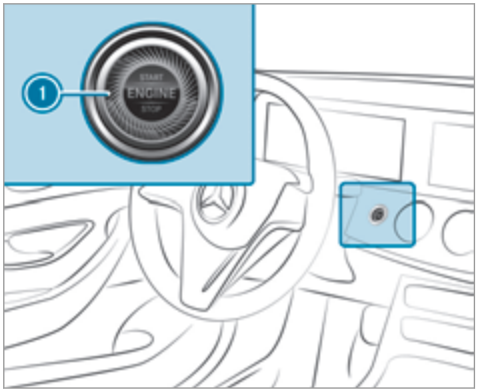
In addition, the children could also set the vehicle in motion by, for example:

- releasing the parking brake.
- changing the transmission 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 vehicle key out of the reach of children.

Requirements:

- the key is in the vehicle and is recognised.
- the brake pedal is not depressed.



- **To switch on the power supply:** press button (1) once.
  You can, for example, activate the windscreen wiper.

The power supply is switched off again if the following conditions are met:

- you open the driver's door.
- you press button (1) twice more.

▶ **To switch on the vehicle:** press button (1) twice.
Indicator and warning lamps go on in the instrument cluster.

The vehicle is switched off again if one of the following conditions is met:

- you do not start the vehicle within 15 minutes and the transmission is in position P or the electric parking brake is applied.
- you press button (1) once.

Starting the vehicle

Starting the vehicle with the start/stop button

DANGER Risk of fatal injuries caused by exhaust gases

Combustion engines emit poisonous exhaust gases such as carbon monoxide. Inhaling these exhaust gases is hazardous to health and leads to poisoning.

▶ Never leave the vehicle or, if present, the stationary heater running in an enclosed space without sufficient ventilation.

WARNING Risk of fire due to flammable material in the engine compartment or the exhaust system

Flammable materials may ignite.

▶ Therefore, check regularly that there are no flammable materials in the engine compartment or on the exhaust system.

Requirements:

- the key is in the vehicle and is recognised.

▶ Shift the transmission to position P or N.

▶ Depress the brake pedal and press button (1) once.

▶ If the vehicle does not start: switch off non-essential consumers and press button (1) once.

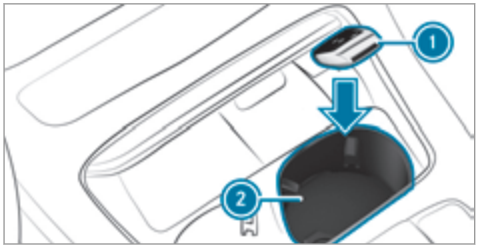
▶ If the vehicle still does not start and the display message Place the key in the marked space See Owner's Manual appears in the instrument display: start the vehicle with the key in the marked space (emergency operation mode) (→ page 168).

ⓘ You can switch off the vehicle while driving. To do this, press button (1) for about three seconds or by pressing button (1) three times within three seconds. Be sure to observe the safety notes under "Driving tips" (→ page 172).

Observe any information regarding display messages that can be displayed on the instrument display.

Starting the vehicle with the key in the marked space (emergency operation mode)

If the vehicle does not start and the Place the key in the marked space See Owner's Manual message appears in the instrument display, you can start the vehicle in emergency operation mode.



- ▶ Make sure that the marked space (2) is empty.
- ▶ Remove the key (1) from the key ring.
- ▶ Place the key (1) in the marked space (2). The vehicle will start after a short time.

  When you remove the key (1) from the marked space (2), the vehicle can be driven. For further engine starts however, the key (1) must be located 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 can be displayed on the instrument display.

Starting the vehicle via Remote Online Services

Cooling or heating the vehicle interior before starting the journey

Ensure the following before starting the engine:

- The legal stipulations in the area where your vehicle is parked allow engine starting via smartphone.
- It is safe to start and run the engine where your vehicle is parked.
- The fuel tank is sufficiently full.
- The starter battery is sufficiently charged.

Charging the starter battery before starting the journey

You can receive a message on your smartphone when the state of charge of the starter battery is low. You can then start the vehicle with the smartphone to charge the battery. The vehicle is automatically switched off after ten minutes.

Ensure the following before starting the engine:

- The legal stipulations in the area where your vehicle is parked allow engine starting via smartphone.
- It is safe to start and run the engine where your vehicle is parked.
- The fuel tank is sufficiently full.

Starting the vehicle (Remote Online)

⚠ **WARNING** Risk of crushing or entrapment due to unintentional starting of the engine

Limbs could be crushed or trapped if the engine is started unintentionally during service or maintenance work.

▶ Always secure the engine against unintentional starting before carrying out maintenance or repair work.

Requirements:

- Park position P is selected.
- The anti-theft alarm system is not activated.
- The hazard warning light system is switched off.
- The bonnet is closed.
- The doors are closed and locked.
- The windows and sliding sunroof are closed.

▶ Start the vehicle using the smartphone. After every engine start, the engine runs for ten minutes.

You can carry out a maximum of two consecutive starting attempts. You must start the engine with the key before trying to start the vehicle again with the smartphone.

You can switch off the vehicle at any time as follows:

- Via the Smartphone App
- By pressing the [ ] or [ ] button on the key

ⓘ Further information can be found in the smartphone app.

Securing the vehicle against starting before carrying out maintenance or repair work:

▶ Switch on the hazard warning light system.

or

▶ Unlock the doors.

or

▶ Open a side window or the sliding sunroof.

Running-in notes

To preserve the engine during the first 1,500 km:

- Drive at varying road speeds and engine speeds.
- Do not drive at speeds greater than 140 km/h.
- Drive the vehicle in drive program C or E.
- Shift to the next highest gear at the very latest when the needle reaches the last third before the red area in the rev counter.
- Do not shift down manually in order to brake.
- Avoid overstraining the vehicle, e.g. driving at full throttle.
- do not depress the accelerator pedal past the pressure point (kickdown).
- Only increase the engine speed gradually and accelerate the vehicle to full speed after 1,500 km.

This also applies when the engine or parts of the drivetrain have been replaced.

Please also observe the following running-in notes:

- In certain driving 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 not reached until the end of this teach-in process.
- Brakepads, brake disks and tyres that are either new or have been replaced only achieve

optimum braking effect and grip after several hundred kilometres of driving. Compensate for the reduced braking effect by applying greater force to the brake pedal.

Notes on optimised acceleration

If all necessary requirements and activation conditions are fulfilled, the best possible acceleration can be achieved from a standstill.

Do not use the optimised acceleration on public roads. Individual wheels could spin and you could lose control of the vehicle. There is an increased risk of skidding and/or accident.

Be sure to observe the safety notes and information on ESP® (→ page 219).

Moving away with optimised acceleration

⚠ WARNING Risk of skidding and having an accident from wheels spinning

When you use optimised acceleration, individual wheels could spin and you could lose control of the vehicle.

If ESP® is deactivated, there is a risk of skidding and accident!

- Make sure that no persons or obstacles are in the close vicinity of your vehicle.

Requirements:

- the vehicle is run in (→ page 170).
- the vehicle and tyres are in good condition.
- you are on a high-grip roadway.
- the engine and transmission are at normal operating temperature.

! NOTE Increased wear due to optimised acceleration

When pulling away with optimised acceleration, all components of the drivetrain are subjected to a very high load.

This can lead to increased component wear.

- Do not always pull away with optimised acceleration.

- Engage the D drive position (→ page 188).
- Move the steering wheel to the straight-ahead position.
- Select the sportiest available drive program S+ or S (→ page 184).
- Deactivating ESP® (→ page 220).
- Depress and hold the brake pedal firmly with your left foot.
- With your right foot, fully depress the accelerator pedal.
- After no more than five seconds, take your left foot quickly off the brake, but keep the accelerator pedal depressed.
  The vehicle pulls away at maximum acceleration.
- Switch on ESP® once the acceleration procedure is complete.

Ending optimised acceleration

- Remove your foot from the accelerator pedal.
- Reactivate the ESP®.

ⓘ After you pull away with optimised acceleration, components of the drivetrain can become very hot, which means that optimised acceleration values may be reached again only after a few minutes.

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 jeopardises the operating and road safety of the vehicle.

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

⚠ WARNING Risk of accident due to incorrect footwear

Incorrect footwear includes, for example:

- shoes with platform soles
- shoes with high heels
- slippers

There is a risk of an accident.

- ▶ Always wear suitable footwear so that you can operate the pedals safely.

⚠ WARNING Risk of accident if the vehicle is switched off while driving

If you switch off the vehicle while driving, safety functions are restricted or no longer available.

This may affect the power steering system and the brake force boosting, for example.

You will need to use considerably more force to steer and brake, for example.

- ▶ Do not switch off the vehicle while driving.

⚠ DANGER Risk of fatal injuries caused by exhaust gases

Combustion engines emit poisonous exhaust gases such as carbon monoxide. Inhaling these exhaust gases is hazardous to health and leads to poisoning.

- ▶ Never leave the vehicle or, if present, the stationary heater running in an enclosed space without sufficient ventilation.

⚠ WARNING Risk of skidding and of an accident due to shifting down on slippery road surfaces

If you shift down on slippery road surfaces to increase the engine braking effect, the drive wheels may lose traction.

- ▶ Do not shift down on slippery road surfaces to increase the engine braking effect.

⚠ **DANGER** Risk of fatal injury due to poisonous exhaust gases

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

- Keep the tailpipe and the area around the vehicle free from snow when the vehicle or the stationary heater is running.
- Open a window on the side of the vehicle facing away from the wind to ensure an adequate supply of fresh air.

⚠ **WARNING** Risk of accident due to the brake system overheating

If you leave your foot on the brake pedal when driving, the brake system may overheat.

This increases the braking distance and the brake system can even fail.

- Never use the brake pedal as a footrest.
- Do not depress the brake pedal and the accelerator pedal at the same time while driving.

! **NOTE** Engine damage due to excessively high engine speeds

The engine will be damaged if you drive with the engine in the overrevving range.

- Do not drive with the engine in the overrevving range.

! **NOTE** Causing wear to the brake linings by permanently depressing the brake pedal

- Do not permanently depress the brake pedal while driving.
- To use braking effect of the engine, shift to a lower gear in good time.

! **NOTE** Damage to the drivetrain and engine when pulling away

- Do not warm up the engine while the vehicle is stationary. Pull away immediately.
- Avoid high engine speeds and driving at full throttle until the engine has reached its operating temperature.

! **NOTE** Damage to the catalytic converter due to non-combusted fuel

The engine is not running smoothly and is misfiring.

Non-combusted fuel may get into the catalytic converter.

- Only depress the accelerator pedal slightly.
- Have the cause rectified immediately at a qualified specialist workshop.

NOTE Reduced battery life due to frequent short-distance trips

The 12 V battery may not be sufficiently charged when the vehicle is used only for short-distance trips. This reduces the life of the battery.

- ▶ Drive longer distances regularly to charge the battery.

NOTE Damage to the vehicle due to not observing the maximum permitted headroom clearance

If the vehicle height is greater than the maximum permitted headroom clearance, the roof and other parts of the vehicle may be damaged.

- ▶ Observe the signposted headroom clearance.
- ▶ If the vehicle height is greater than the permitted headroom clearance, do not enter.
- ▶ Observe the changed vehicle height with add-on roof equipment.

Notes on driving with a roof load, trailer or fully laden vehicle

When driving with a loaded roof luggage rack or trailer as well as with a fully laden or fully occupied vehicle, the vehicle's driving and steering characteristics change.

You should bear the following in mind:

- Do not exceed the permissible roof load and towing capacity. Also observe the technical data in the printed Owner's Manual.
- Evenly distribute the roof load, and place heavy objects at the bottom. Also comply with the notes on loading the vehicle (→ page 118).
- Drive attentively, and avoid suddenly pulling away, braking and steering as well as rapid cornering.

Notes on driving on salt-treated roads

The braking effect is limited on salt-treated roads.

Therefore, observe the following notes:

- due to salt build-up on the brake disks and brakepads, the braking distance can increase considerably or result in braking only on one side
- maintain a much greater safe distance to the vehicle in front

To remove salt build-up:

- brake occasionally while paying attention to the traffic conditions
- carefully depress the brake pedal at the end of the journey and when starting the next journey

Notes on aquaplaning

Aquaplaning can take place once a certain amount of water has accumulated on the road surface.

Observe the following notes during heavy precipitation or in conditions in which aquaplaning may occur:

- reduce speed
- avoid tyre ruts

- avoid sudden steering movements
- brake carefully

ⓘ Also observe the notes on regularly checking wheels and tyres (⟶ page 395).

Notes on driving through water on the road surface

Water which has entered into the vehicle can damage the engine, electrics and transmission.

Water can also enter the air intake of the engine and cause engine damage.

Observe the following if you must drive through water:

- The water, when calm, may only reach the lower edge of the vehicle body.
- Drive at a maximum speed of 10 km/h; water can otherwise enter the vehicle interior or engine compartment.
- Vehicles travelling in front, or oncoming vehicles, can create waves which may exceed the maximum permissible depth of the water.

The braking effect of the brakes is reduced after fording. Brake carefully while paying attention to the traffic conditions until braking power has been fully restored.

ECO start/stop function

ECO start/stop function

ⓘ Depending on the engine, the ECO start/stop function is not available in all drive programs. Observe the status display in the instrument display for this.

The engine is switched off automatically in the following situations if all vehicle conditions for an automatic engine stop are met:

- you brake the vehicle to a standstill in transmission position D or N.
- **Vehicles with a 48 V on-board electrical system:** you depress the brake pedal when travelling at a low speed.

If the system has detected one of the following situations, the engine will not stop:

- you stop at a stop sign and there is no vehicle in front of you.
- the vehicle that stopped in front of you starts up again.
- you manoeuvre, turn the steering wheel sharply or engage reverse gear.

ⓘ If the system detects an intelligent stop inhibitor, for example, a stop sign, the engine will not stop.
If you activate the HOLD function or engage the park position P, the engine can be switched off in spite of an intelligent stop inhibitor.

The engine restarts automatically in the following cases:

- you engage transmission position D or R.
- you depress the accelerator pedal.
- an automatic vehicle engine start is required.
- you release the brake pedal.
- **Vehicles with a 48 V on-board electrical system:**
  - you release the brake pedal on a downhill gradient and the vehicle does not roll.

- the vehicle rolls on a downhill gradient and does not automatically enter glide mode at 20 km/h.

ECO start/stop function symbols in the instrument display:

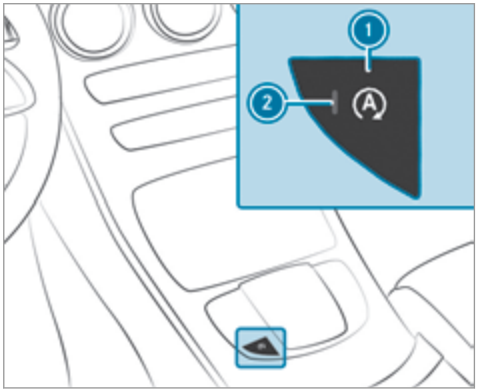
- the symbol [Ⓐ] (green) appears when the vehicle is at a standstill: the engine was switched off by the ECO start/stop function.
- the symbol [Ⓐ] (yellow) appears when the vehicle is at a standstill: not all vehicle conditions for an engine stop have been met.
- neither the symbol [Ⓐ] nor [Ⓐ] appears when the vehicle is at a standstill: an intelligent stop inhibitor was detected, e.g. a stop sign.
- the symbol [Ⓐ OFF] appears: the ECO start/stop function is deactivated or there is a malfunction.

If the engine was switched off by the ECO start/stop function and you leave the vehicle, a warning tone sounds and the engine is not restarted. In addition, the following display message appears in the instrument display:

Vehicle is operational Switch off ignition before exiting

If you do not switch off the vehicle, it is automatically switched off after three minutes.

Deactivating or activating the ECO start/stop function



▶ Press button 1.
If indicator lamp 2 lights up, the ECO start/stop function is activated.

ⓘ Depending on the model and the vehicle equipment, the button may also be located at a different position in the centre console.

ECO display function

The ECO display summarises your driving characteristics from the start of the journey to its completion and assists you in achieving the most economical driving style.

You can influence consumption by doing the following:

- driving with particular care.
- following the gearshift recommendations.



The lettering in the segment will light up brightly, the outer edge will light up and the segment will fill up when the following driving style is adopted:

- (1) Steady speed
- (2) Gentle deceleration and rolling
- (3) Moderate acceleration

The lettering in the segment will be grey, the outer edge will be dark and the segment will empty when the following driving style is adopted:

- (1) Fluctuations in speed
- (2) Heavy braking
- (3) Sporty acceleration

The ECO display will show you when you have driven economically:

- The three segments will fill up completely at the same time
- The edges around all three segments will light up

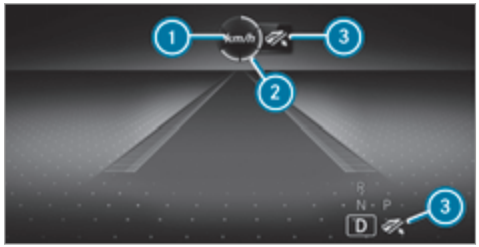
The additional range achieved as a result of your driving style in comparison with a driver with a very sporty driving style will be shown in the centre of display (4). The range displayed does not indicate a fixed reduction in consumption.

ECO Assist function (vehicles with 48 V on-board electrical system)

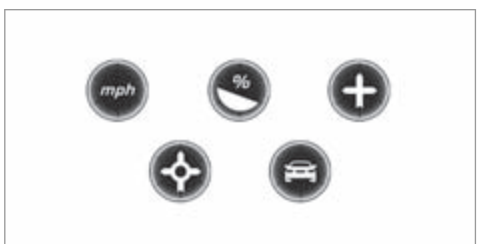
For plug-in hybrids, note the ECO Assist information (→ page 180).

ECO Assist analyses data for the vehicle's expected route. This allows the system to optimally adjust the driving style for the route ahead, save fuel and recuperate.

ECO Assist is displayed on the Assistance menu(→ page 283).



(1) Event ahead
(2) Distance display for the event ahead
(3) "Foot off the accelerator" prompt



Displayable route events (1)

The segments of distance display (2) show the distance to the event ahead as follows:

- A few segments light up: the event ahead is near.
- Many segments light up: the event ahead is further away.

When the vehicle nears the event, ECO Assist will calculate the optimal speed for maximum fuel economy and recuperative energy based on the distance, speed and gradient. The Foot off the accelerator (3) message appears in the Instrument Display. The first segments in front of the vehicle will turn green. The remaining segments will initially stay white. If you take your foot off the accelerator pedal in good time, the remaining segments on the display will successively turn green until the event shown is reached. The drivetrain will be set for maximum fuel economy. Recuperation will charge the battery. Recuperation will be adapted to the selected drive program.

The event will be shown for a short time after it has been passed. If there is no response to the Foot off the accelerator prompt, the segments will remain white.

If the event involves a vehicle in front, all segments will immediately turn green once there is a response to the Foot off the accelerator prompt.

For active ECO Assist in drive program E, symbol (3) will appear on the instrument display and on the head-up display beside transmission position D. Symbol (3) will also appear when the assistant display is not selected.

If the system does not intervene during the event ahead, nothing will be displayed. The system will be passive.

ECO Assist is active only in drive programs E and C.

System limits

ECO Assist can function even more precisely if the route is adhered to when route guidance is active. The basic function is also available without active route guidance. Not all information and traffic situations can be foreseen. The quality depends on the map data.

ECO Assist is only an aid. The driver is responsible for keeping a safe distance from the vehicle in front, for vehicle speed and for braking in good time. The driver must be ready to brake at all times irrespective of whether the system intervenes.

The system may be impaired or may not function in the following situations:

- If visibility is poor, e.g. due to insufficient illumination of the road, highly variable shade conditions, rain, snow, fog or heavy spray.
- If there is glare, e.g. from oncoming traffic, direct sunlight or reflections.
- If there is dirt on the windscreen in the area of the multifunction camera or the camera is misted up, damaged or obscured.
- If road signs are hard to detect, e.g. due to dirt, snow or insufficient lighting, or because they are obscured.
- If the information on the navigation system's digital map is incorrect or out of date.
- If signs are ambiguous, e.g. road signs in roadworks or in adjacent lanes.

Regenerative brake system (plug-in hybrid)

Function of the regenerative brake system

Depending on the selected recuperation level, the electric motor is operated as an alternator when in overrun mode and during braking in order to charge the high-voltage battery while driving. As soon as you release the accelerator pedal when the vehicle is in motion, recuperation in overrun mode is initiated.

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 regenerative brake system has the following characteristics:

- supports braking with electronically controlled brake force boosting
- converts the kinetic energy of the vehicle into electric energy

ⓘ If you brake hard, the mechanical brake is also used. This means that the maximum recuperative energy cannot be recovered. The more you drive and brake in an anticipatory manner, the more efficiently energy can be recuperated.

System limits

The braking effect of the electric motor during recuperation in overrun mode may be reduced or may not be available at all in the following situations:

- when the high-voltage battery charge level increases
- if the high-voltage battery is not yet at a normal operating temperature
- when driving at speeds close to zero
- in transmission position N
- during and after ESP® intervenes

In these cases, the desired deceleration is set by the brake control system. Also brake with the service brake if necessary.

Manually setting recuperative deceleration

ⓘ In the EL drive program, you can use the steering wheel gearshift paddles to manually adjust the intensity of recuperation in overrun mode.



ⓘ When the vehicle is started again or transmission position D is engaged again, the standard setting is automatically set:

The following recuperation levels are available:

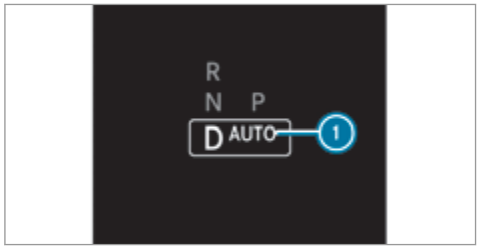
- D AUTO Intelligent, anticipatory recuperation with ECO Assist (standard setting) (→ page 177, 180)
- D + No recuperation: the vehicle rolls freely
- D Normal recuperation
- D – Increased recuperation: strong deceleration in overrun mode, e.g. for driving on downhill gradients

- D – – Maximum recuperation: maximum deceleration in overrun mode

▶ **To increase recuperation:** briefly pull gearshift paddle (1).

▶ **To reduce recuperation:** briefly pull gearshift paddle (2).

▶ **Standard setting:** pull and hold gearshift paddle (1) or (2) or engage transmission position D again.



The Instrument Display shows currently set recuperation level (1), for example, D AUTO.

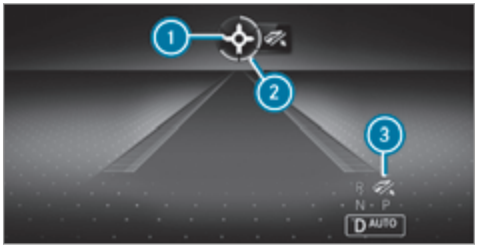
Eco Assist function (plug-in hybrid)

ⓘ The following function is country-dependent and available only in conjunction with an integrated hard drive navigation system.

ECO Assist is active only in drive programs C, EL, BL and E, and only in transmission positions D or D AUTO. Permanent manual gearshifting M must be switched off (→ page 188).

ECO Assist analyses data for the vehicle's expected route. This allows the system to optimally adjust the driving style for the route ahead, save fuel and recuperate.

ECO Assist is displayed on the Assistance menu(→ page 283).



(1) Event ahead, e.g. roundabout
(2) Distance display for the event ahead
(3) "Foot off the accelerator" prompt



Displayable previous events (1)

The following events (1) can be detected and displayed for the route section ahead:

- Vehicle in front
- Speed limit
- Downhill and uphill gradients
- Junctions and roundabouts
- Bends

The segments of distance display (2) show the distance to the event ahead as follows:

- A few segments light up: the event ahead is near.
- Many segments light up: the event ahead is further away.

If ECO Assist is active, the "Foot off the accelerator" symbol (3) will appear on the instrument display and on the head-up display beside the transmission position display.

When the vehicle nears an event, ECO Assist will calculate the optimal speed for minimal energy consumption based on the distance, speed and gradient. The "Foot off the accelerator" symbol (3) will appear on the instrument display.

If you take your foot off the accelerator pedal in good time, the remaining segments on the display will successively turn green until the event shown is reached. The drivetrain will be set for minimal energy consumption. The vehicle will recuperate autonomously and thus charge the battery.

ⓘ You can also manually increase or reduce the recuperation in drive program [EL]. However, ECO Assist is available only in the [D] [AUTO] setting (→ page 179).

If there is no response to the "Foot off the accelerator" prompt (3), the segments will remain white.

The event will be shown for a short time after it has been passed.

If the event involves a vehicle in front, the symbol will be shown in green as soon as there is a response to "Foot off the accelerator" prompt (3).

If the system does not intervene during the event ahead, nothing will be displayed. The system will be passive.

System limits

ECO Assist can function even more precisely if the route is adhered to when route guidance is active. The basic function is also available without active route guidance. Not all information and traffic situations can be foreseen. The quality depends on the map data.

ECO Assist is only an aid. The driver is responsible for keeping a safe distance from the vehicle in front, for vehicle speed and for braking in good time. The driver must be ready to brake at all times irrespective of whether the system intervenes.

The system may be impaired or may not function in the following situations:

- If visibility is poor, e.g. due to insufficient illumination of the road, highly variable shade conditions, rain, snow, fog or heavy spray.
- If there is glare, e.g. from oncoming traffic, direct sunlight or reflections.
- If there is dirt on the windscreen in the area of the multifunction camera or the camera is misted up, damaged or obscured.

- If road signs are hard to detect, e.g. due to dirt, snow or insufficient lighting, or because they are obscured.
- If the information on the navigation system's digital map is incorrect, insufficient or out of date.
- If signs are ambiguous, e.g. road signs in roadworks or in adjacent lanes.

Function of the route-based operating-mode strategy (plug-in hybrid)

ⓘ The following function is country-dependent and available only in conjunction with an integrated navigation system.

The route-based operating-mode strategy is active only in drive programs C and E. When route guidance is active, data on the planned route is analysed. This function can be activated and deactivated in the multimedia system (→ page 326).

If the function is active, data on the further course of the route is evaluated. This includes, e.g. road type, speed limitations and altitude data.

The hybrid system then adapts the operating strategy to the further course of the route:

- Use of electrical energy and the combustion engine are adapted.
- State of charge of the high-voltage battery is controlled accordingly.
- Electrical energy is reserved especially for electric mode, e.g. urban route sections and low emission zones.
- The vehicle automatically selects the operating mode.

When the route-based operating-mode strategy is activated, the energy flow display shows the status of the function as – active or passive (→ page 327).

The route-based operating-mode strategy is switched to passive under the following conditions:

- You are driving in a drive program other than C or E.
- Route guidance is active.
- High-voltage battery's state of charge is too low.

Function of the haptic accelerator pedal (plug-in hybrid)

The haptic accelerator pedal has an additional point of resistance followed by increased pedal resistance to help you drive fully electrically.

Characteristics of the additional point of resistance:

- Available only in drive program EL
- Is used when the electric motor power availability display (POWER) is full
- Indicates the maximum available electric performance

  The subsequent increased pedal resistance indicates that the journey is being continued with the combustion engine.

DYNAMIC SELECT switch

Function of the DYNAMIC SELECT switch

! **NOTE** Mercedes-AMG vehicles

▶ Observe the notes in the Supplement. You could otherwise fail to recognise dangers.

ⓘ Depending on the engine and equipment, the vehicle has different drive programs.

Use the DYNAMIC SELECT switch to change between the following drive programs.

The drive program selected appears in the multifunction display of the on-board computer.

I* Individual

- Individual settings

S+ Sport+

- Particularly sporty driving
- Driving with the combustion engine and reinforced boost effect (plug-in hybrid)
- Emphasises the vehicle's own oversteering and understeering characteristics for a more active driving style
- Only suitable for good road conditions, a dry road surface and a clear stretch of road

S Sport

- Continues to offer stability but with a sporty setup
- Allows the sporty driver a more active driving style
- Driving with the combustion engine and reinforced boost effect (plug-in hybrid)
- Only suitable for good road conditions, a dry road surface and a clear stretch of road

C Comfort

- Comfortable and economical driving
- Balance between traction and stability
- The selection of the matching drive type by the hybrid system depends on the driving conditions and the distance (plug-in hybrid)
- Recommended for all road conditions

EL Electric (plug-in hybrid)

- electric mode – driving without the combustion engine is possible up to approx. 160 km/h
- Adjustable recuperation in overrun mode
- Adaptation of Active Distance Assist DISTRONIC for electric mode
- Limiting the maximum set speed for cruise control, limiter and Active Distance Assist DISTRONIC to the maximum electrically drivable speed
- activation of the combustion engine via the pressure point of the haptic accelerator pedal

BL Battery Level (plug-in hybrid)

- Prioritised maintenance of the state of charge of the high-voltage battery, e.g. for subsequent journeys in the inner city/low emission zones
- The selection of the matching drive type by the hybrid system depends on the driving conditions and the distance

E Eco

- Particularly economical driving
- Balance between traction and stability
- Recommended for all road conditions
- Full development of all intelligent hybrid functions and adaptation of the coasting characteristics of the vehicle to traffic (plug-in hybrid)
- The selection of the matching drive type by the hybrid system depends on the driving conditions and the distance (plug-in hybrid)

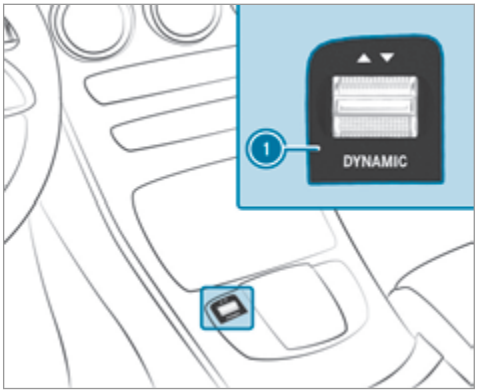
ⓘ The ESP® settings in the drive programs E and C are designed for stability. Therefore, choose one of these driving programs, especially when transporting roof loads, in trailer operation and when the vehicle is fully loaded or fully occupied.

ⓘ **Plug-in hybrids with diesel particulate filters:** during the regeneration of the diesel particulate filter, the drive programs are not available or are restricted and state of charge of the high-voltage battery may change.

Depending on the drive program, the following systems change their characteristics:

- drive
  - engine and transmission management
  - Active Distance Assist DISTRONIC
- ESP®
- **Vehicles with AIR BODY CONTROL or DYNAMIC BODY CONTROL:** suspension
- electric power steering

Selecting the drive program



▶ Press DYNAMIC SELECT switch 1 forwards or backwards.
The drive program selected appears in the instrument display.

Configuring DYNAMIC SELECT (multimedia system)

Multimedia system:

→ ⌂ » Settings » Vehicle » DYNAMIC SELECT

Setting drive program I

- ▶ Select Individual configuration.
- ▶ Select and set a category.

Switching the restoration display on or off

- ▶ Switch Ask when starting on or off.

Function on: the next time the vehicle is started a prompt appears asking whether the last active drive program should be restored.

Function on: the next time the vehicle is started a prompt appears asking whether the last active drive program should be restored. If the ECO start/stop function was deactivated, an additional prompt appears asking if the function should remain deactivated.

ⓘ The prompt appears only if the previously active settings deviate from the standard settings.

Function off: the next time the vehicle is started the C drive program is set automatically. The ECO start/stop function is activated automatically.

Function off: if the EL drive program was the last one active, and all requirements for the drive program are fulfilled, this will be automatically selected the next time the vehicle is started. If another program was active, then the C drive program is set automatically.

ⓘ This function must be activated for each user profile separately. Only when this function is activated will the drive program and Eco start/stop setting for the previous journey be saved for the respective user profile.

ⓘ 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.

Displaying vehicle data

Multimedia system:

→ ⌂ » Info

- ▶ Select Vehicle.
  The vehicle data is displayed.

Displaying engine data

Multimedia system:

→ ⌂ » Info

- ▶ Select Engine.
  The engine data is displayed.

ⓘ The actual (maximum) values that can be achieved for engine output and engine torque may deviate from the certified values within the country-specific guidelines for permissible tolerances (basis: UN-ECE No. 85 or country-specific guidelines).

Influencing variables that can influence this are, for example:

- Sea level
- Fuel quality

- Outside temperature
- Operating temperature of the engine

ⓘ The values displayed serve only as orientation. The values for engine output and engine torque shown on the media display may deviate from the actual values.

Calling up the fuel consumption indicator

Multimedia system:

→ ⌂ ⏩ Info

▶ Select Consumption.
The current and average fuel consumption is displayed.

Automatic transmission

DIRECT SELECT lever

Function of the DIRECT SELECT lever

⚠ **WARNING** Risk of accident due to incorrect gearshifting

If the engine speed is higher than the idle speed and you engage the transmission position D or R, the vehicle may accelerate sharply.

▶ If you engage the transmission position D or R when the vehicle is at a standstill, always depress the brake pedal firmly and do not accelerate at the same time.

⚠ **WARNING** Risk of accident and injury due to leaving children 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 by, for example:

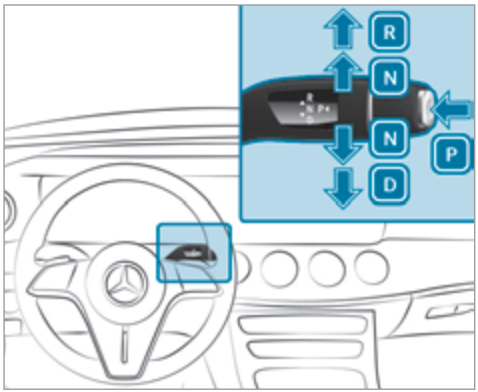
- releasing the parking brake.
- changing the transmission position.
- starting the vehicle.

▶ Never leave children unattended in the vehicle.

▶ When leaving the vehicle, always take the key with you and lock the vehicle.

▶ Keep the vehicle key out of the reach of children.

Use the DIRECT SELECT lever to switch the transmission position. The current transmission position is displayed in the instrument 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 point of resistance.

Engaging neutral N

- Depress the brake pedal and push the DIRECT SELECT lever up or down to the first point of resistance.

ⓘ To shift into neutral N with the vehicle switched on, push the selector lever up or down for several seconds to the first point of resistance.

Subsequently releasing the brake pedal will allow you to move the vehicle freely, e.g. to push it or tow it away.

Proceed as follows if you want the automatic transmission to remain in neutral N even if the vehicle is switched off or the driver's door is opened:

- Depress the brake pedal and engage neutral N when the car is stationary.
- Release the brake pedal.
- Switch off the vehicle.

ⓘ If you then exit the vehicle leaving the key in the vehicle, the automatic transmission remains in neutral N.

Engaging park position P

- Observe the notes on parking the vehicle (→ page 208).
- Depress the brake pedal until the vehicle comes to a standstill.
- When the vehicle is at a standstill, press button P.
  When the transmission position display shows P, the park position is engaged. If no transmission position display P appears, 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 display.

Park position P is 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 at a standstill or when driving at a very low speed and the transmission position is D or R.

ⓘ To manoeuvre with an open driver's door, open the driver's door while at a standstill and engage transmission position D or R again.

Engaging drive position D

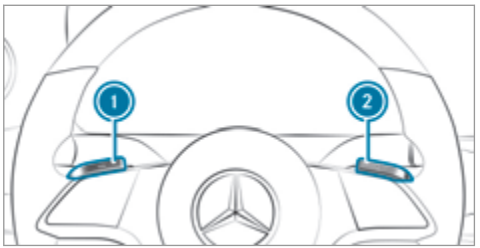
▶ Depress the brake pedal and push the DIRECT SELECT lever down past the first point of resistance.

When the automatic transmission is in transmission position D, it shifts the gears automatically. This depends, among other things, on the following factors:

- The selected drive program
- The position of the accelerator pedal
- The driving speed

Manual gearshifting

ⓘ For plug-in hybrids, observe the information regarding the regenerative brake system (→ page 179).



When the automatic transmission is shifted to position D, you can manually shift it with the steering wheel gearshift paddle. If permitted, the automatic transmission shifts to a higher or lower gear depending on the steering wheel gearshift paddle being pulled.

You have two options to manually shift the automatic transmission:

- temporary setting
- permanent setting

The gears shift automatically when manual shifting is deactivated.

Temporary setting:

▶ **To activate:** pull steering wheel gearshift paddle 1 or 2.
Manual shifting is activated for a short time. The transmission position display shows M and the current gear.

ⓘ How long the manual shifting stays activated is dependant on various factors.

Manual shifting can be automatically deactivated in the following cases:

- changing the drive program
- restarting the vehicle
- when the transmission position D is engaged again
- driving style

▶ **To shift up:** pull steering wheel gearshift paddle 2.

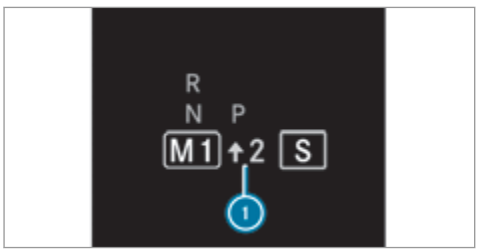
- **To shift down:** pull steering wheel gearshift paddle (1).
- **To deactivate:** pull steering wheel gearshift paddle (2) and hold it in place.
  The transmission position display shows D.

Permanent setting:

- Change to drive program I* (→ page 184).
- Select drive setting M (→ page 185).

Gearshift recommendation

The gearshift recommendation assists you in adopting an economical driving style.



- If the gearshift recommendation (1) appears next to the transmission position display, shift to the recommended gear.

Using kickdown

- **Maximum acceleration:** depress the accelerator pedal beyond the pressure point.

To protect against engine overrev, the automatic transmission shifts up to the next gear when maximum engine speed has been reached.

Glide mode function

NOTE Mercedes-AMG vehicles

- Observe the notes in the Supplement. You could otherwise fail to recognise dangers.

With an anticipatory driving style, Glide mode helps you to reduce fuel consumption.

Glide mode is characterised by the following:

- The combustion engine is disconnected from the drivetrain and continues to run in neutral.
- The transmission position display D is shown in green.
- **Vehicles with 48 V on-board electrical system:** the combustion engine can be switched off. All of the vehicle functions remain active.

Glide mode is activated if the following conditions are met:

- Drive program E is selected.
- The speed is within a suitable range.
- The road's course is suitable, e.g. no steep uphill or downhill inclines or tight bends.
- There is no trailer hitched up to the trailer hitch, and no bicycle rack Fitted.
- You do not depress the accelerator or brake pedal (except for light brake applications).

ⓘ Glide mode can also be activated if you have selected the "Eco" setting for the drive in the drive program I*.

Glide mode is deactivated again if one of the conditions is no longer met.

Glide mode can also be prevented by the following parameters:

- Incline
- Downhill gradient
- Temperature
- Height
- Speed
- Operating status of the engine
- Traffic situation

Function of the 4MATIC

4MATIC ensures that all four wheels are driven. Together with ESP® and 4ETS, 4MATIC improves the traction of your vehicle whenever a driven wheel spins due to insufficient traction.

If you fail to adapt your driving style, 4MATIC can neither reduce the risk of an accident nor override the laws of physics. 4MATIC cannot take account of road, weather and traffic conditions. 4MATIC is only an aid. You are responsible 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 4MATIC can be achieved only if you use winter tyres (M+S tyres), with snow chains if necessary.

Refuelling

Refuelling the vehicle

⚠ **WARNING** Risk of fire or explosion from fuel

Fuels are highly flammable.

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

⚠ **WARNING** Risk of injury from fuels

Fuels are poisonous and hazardous to your health.

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

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

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

- Change immediately out of clothing that has come into contact with fuel.

WARNING Risk of fire and explosion due to electrostatic charge

Electrostatic charge can ignite fuel vapour.

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

WARNING Risk of fire from fuel mixture

Vehicles with a diesel engine:

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

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

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

NOTE Damage caused by the wrong fuel

Vehicles with a petrol engine:

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

- Only refuel using unleaded, sulphur-free spark-ignition engine fuel that conforms to European EN 228, or an equivalent specification.

Fuel of this specification may contain up to 10% ethanol. Your vehicle is suitable for use with E10 fuel.

Never refuel with one of the following fuels:

- Diesel
- Regular petrol with an octane number lower than 91 RON
- Petrol with more than 10% ethanol by volume, e.g. E15, E20, E85, E100
- Petrol with more than 3% methanol by volume, e.g. M15, M30
- Petrol with additives containing metal

If you have accidentally refuelled with the wrong fuel:

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

NOTE Damage caused by the wrong fuel

Vehicles with a diesel engine:

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

- Only refuel using sulphur-free diesel fuel that conforms to European standard EN 590, or an equivalent specification. In countries without sulphur-free diesel fuel, refuel using only low-sulphur diesel

fuel with a sulphur content less than 50 ppm.

► **Vehicles without diesel particulate filter:** Only refuel using diesel fuel with a sulphur content less than 500 ppm.

Never refuel with one of the following fuels:

- Petrol
- Marine diesel
- Heating oil
- Pure bio-diesel or vegetable oil
- Paraffin or kerosene

If you have accidentally refuelled with the wrong fuel:

► Do not switch on the vehicle.

► Consult a qualified specialist workshop.

! **NOTE** Do not use diesel to refuel vehicles with a petrol engine

If you have accidentally refuelled with the wrong fuel:

- Do not switch on the vehicle. Otherwise fuel can enter the engine.

  Even small amounts of the wrong fuel could result in damage to the fuel system and the engine. The repair costs are high.

► Consult a qualified specialist workshop.

► Have the fuel tank and fuel lines drained completely.

! **NOTE** Do not use petrol to refuel vehicles with a diesel engine

If you have accidentally refuelled with the wrong fuel:

- Do not switch on the vehicle. Otherwise, fuel can enter the fuel system.

  Even small amounts of the wrong fuel could result in damage to the fuel system and the engine. The repair costs are high.

► Consult a qualified specialist workshop.

► Have the fuel tank and fuel lines drained completely.

! **NOTE** Damage to the fuel system caused by overfilled fuel tanks

► Only fill the fuel tank until the pump nozzle switches off.

! **NOTE** Fuel may spray out when you remove the fuel pump nozzle

► Only fill the fuel tank until the pump nozzle switches off.

Requirements:

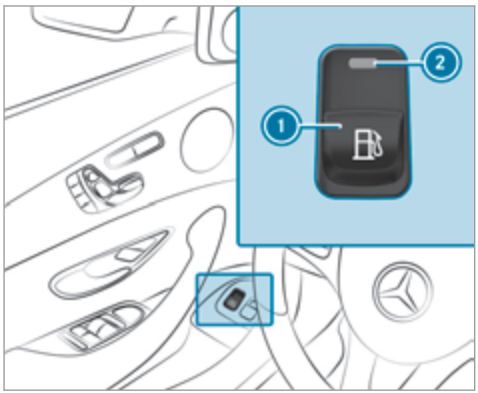
- The vehicle is unlocked.
- **Plug-in hybrid:** the fuel tank was depressurised by pulling the button before the vehicle was refuelled. This function is country-dependent.

ⓘ Do not get into the vehicle again during the refuelling process. Otherwise, electrostatic charge could build up again.

Observe the notes on operating fluids and fuel.

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

Depressurising the fuel tank (plug-in hybrid)



▶ Pull button ①.
Indicator lamp ② flashes and the Please wait Depressurising tank message appears in the Instrument Display.

When the fuel tank is depressurised, indicator lamp ② lights up continuously.

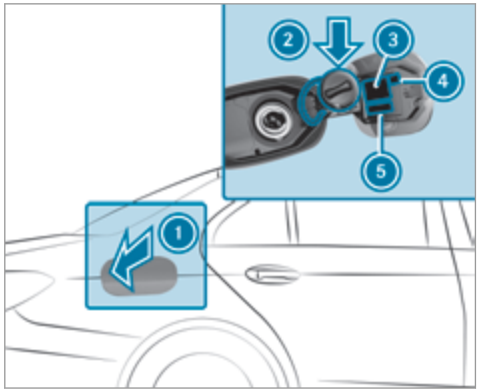
The Tank is depressurised Ready for refuelling message appears in the Instrument Display.

ⓘ In the following situations there is a malfunction:

- indicator lamp ② flashes initially and then goes out
- the yellow engine diagnosis warning lamp lights up

The fuel tank can only be bled if the conditions mentioned above are fulfilled. Otherwise, drive the vehicle at least 0.5 km and repeat the procedure.

ⓘ Opening the fuel filler flap may, in exceptional cases, take up to 15 minutes.



① Fuel filler flap
② Bracket for fuel filler cap
③ Tyre pressure table
④ QR code for rescue card
⑤ Fuel type

▶ Press on the back area of fuel filler flap ①.
▶ Turn the fuel filler cap anti-clockwise and remove it.

- Insert the fuel filler cap from above into bracket (2).
- Completely insert the pump nozzle into the tank filler neck, hook in place and refuel.
- Only fill the fuel tank until the pump nozzle switches off.

(i) **Vehicles with a diesel engine:** the tank filler neck is designed for refuelling at diesel filling pumps.

(i) **Vehicles with a diesel engine:** when the fuel tank is completely empty, top up with at least 5 litres of diesel.

(i) **Vehicles with a diesel engine:** use a filler neck with a large diameter for vehicles with a diesel engine when topping up fuel from a fuel can. Otherwise, the filler neck cannot slide into the tank.

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

AdBlue® (vehicles with a diesel engine only)

Notes on refilling AdBlue®

AdBlue® is a water-soluble fluid for the NOx exhaust gas aftertreatment of diesel engines. In order for the exhaust gas aftertreatment to function properly, only use AdBlue® in accordance with ISO 22241.

AdBlue® is characterised by the following:

- non-toxic
- colourless and odourless
- non-flammable

If you open the AdBlue® tank, small amounts of ammonia vapour may be released. Only fill the AdBlue® tank in well-ventilated areas.

Do not let AdBlue® come into contact with skin, eyes or clothes. Keep AdBlue® away from children.

Do not ingest AdBlue®. If AdBlue® is swallowed, immediately rinse your mouth out thoroughly. Drink plenty of water. Seek medical attention at once.

Observe the notes on operating fluids (→ page 417).

AdBlue® is available here:

- AdBlue® can be topped up by fast service at a qualified specialist workshop, e.g. a Mercedes-Benz Service Centre.
- AdBlue® is available at many filling stations from AdBlue® filling pumps.
- Alternatively, AdBlue® is available at qualified specialist workshops, e.g. Mercedes-Benz Service Centres, and at many filling stations in AdBlue® refill canisters or AdBlue® refill bottles.

(i) Ensure the connection between the refill container and vehicle filler neck does not drip.

Topping up AdBlue®

! **NOTE** Engine damage due to AdBlue® being in the fuel

- AdBlue® must not be used to fill the fuel tank.

- Only use AdBlue® to fill the AdBlue® tank.
- Do not overfill the AdBlue® tank.

! **NOTE** Contamination of the vehicle interior due to AdBlue® leakage

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

Requirements:
- The vehicle is unlocked.

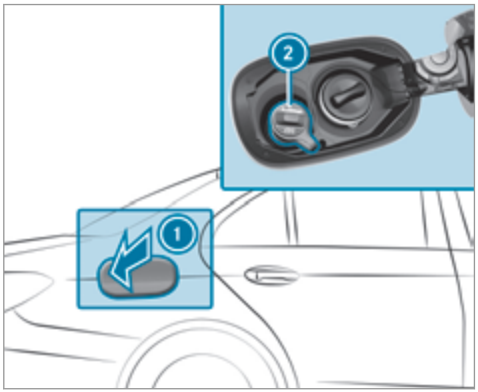
The following messages appear in order in the Instrument Display when the AdBlue® tank requires topping up:

- Refill AdBlue See Owner's ManualThe AdBlue® level has fallen below the reserve range. Top up AdBlue® immediately.
- Top up AdBlue Emergency op. in XXX miles See Owner's ManualThe low AdBlue® level will lead to limited performance after the remaining distance displayed has been driven. Top up AdBlue® immediately.
- XX,X l Top up AdBlue Emer. op.: max. XXX km/h Start not poss. in XXX kmThe low AdBlue® level will lead to limited performance from the speed displayed. After the remaining distance displayed has been covered, it will no longer be possible to start the vehicle. Top up with at least the amount of AdBlue® displayed.
- XX,X l Top up AdBlue Switch on ignition, wait 60 sec. or eng. start not poss.The AdBlue® tank is empty. You can no longer start the vehicle. Top up with at least the amount of AdBlue® displayed. Switch on the vehicle and wait for approximately 60 seconds. Start the vehicle.

You can see the AdBlue® range and level in the Service menu in the Instrument Display.

ⓘ The AdBlue® range shown depends strongly on the driving style and operating conditions. The actual range can therefore deviate from the calculated range.

Opening the AdBlue® filler cap

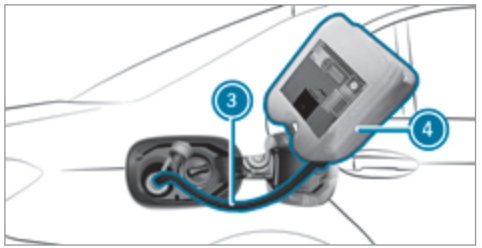


- Press on the back area of fuel filler flap (1).
- Turn AdBlue® filler cap (2) anti-clockwise and remove it.

Topping up AdBlue®

Mercedes-Benz recommends topping up AdBlue® at a filling pump. If no AdBlue® filling pump is

available, you can also top up AdBlue® using a canister.



- Screw on the fastener of AdBlue® refill canister (4).
- Screw disposable hose (3) onto the opening of AdBlue® refill canister (4) until hand-tight.
- Screw disposable hose (3) onto the filler neck of the vehicle until hand-tight.
- Lift up and tip AdBlue® refill canister (4). The filling process stops when the AdBlue® tank is completely full.

AdBlue® refill canister (4) can be removed when it has been only partially emptied.

- Unscrew and close disposable hose (3) and AdBlue® refill canister (4) in reverse order.
- Replace AdBlue® filler cap (2) and turn it clockwise until it audibly engages.
- Close fuel filler flap (1).
- Switch on the vehicle for at least 60 seconds.

ⓘ If the vehicle could not be started as the AdBlue® tank was empty, it can take up to 60 seconds for the refill to be detected.

- Start the vehicle.

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

Charging the high-voltage battery (plug-in hybrid)

Notes on 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 ageing of the high-voltage battery

As a result of its basic characteristics, the storage capacity of and the amount of energy available from the high-voltage battery decreases over the course of its life. Due to this, both

the maximum electrical range that can be achieved by the vehicle and its maximum electrical output can be impaired.

The following factors could accelerate the ageing of the high-voltage battery:

- a high level of charge, especially if the vehicle is idle for a lengthy period of time
- leaving the vehicle idle for lengthy periods at high ambient temperatures

▶ To avoid accelerated ageing, please observe the following recommendations when handling the high-voltage battery.

Recommendations when handling the high-voltage battery:

- If leaving the vehicle idle for lengthy periods, park up the vehicle with a high-voltage battery charge level between 30% and 50%. Do not keep the high-voltage battery continuously connected to power supply equipment.
- If leaving the vehicle idle for lengthy periods of time avoid, if possible, high ambient temperatures.
- Check the high-voltage battery's charge level every six weeks (→ page 326).
- Charge the high-voltage battery if the charge level is below 20%.
- Do not disconnect the 12 V battery even if the vehicle is left idle 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:

- An anticipatory driving style (→ page 176)
- Reduced use of electrical consumers
- Having the vehicle regularly maintained

Charging options for the high-voltage battery (mode 2 and 3)

The high-voltage battery will be charged by recuperation while you are driving. The electric motor serves as an alternator when in overrun mode and during braking.

You have the following options to charge while stationary:

- At a mains socket (mode 2)
- At a wallbox or charging station (mode 3)

Depending on the country-specific vehicle equipment and your vehicle's charging cable, single phase AC charging is also possible.

Observe the different grid requirements of your current location when charging. Only use charging cables which conform to the grid requirements. Consult a qualified electrician or your local grid 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 performance and better charging efficiency offered.

Stowing the charging cable

Always stow the vehicle charging cable in the charging cable bag provided and secure it in the boot or load compartment of your vehicle.

Otherwise, the charging cable is not sufficiently secured.

System limits

The power output 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 periods without charging

The charging time of the high-voltage battery may be increased by the following:

- High or low outside temperatures
- Extended periods without charging
- The maximum available charging current of the power supply equipment
- The charging current set (mode 2) in the multimedia system (→ page 326)

Notes on charging the high-voltage battery at the 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. Mercedes-Benz thoroughly tests these original charging cables for their suitability for high-voltage charging of your vehicle. Purchase these parts at a Mercedes-Benz Service Centre and obtain advice there.

▶ 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.

Shorter charging times can be achieved in the following ways:

- Charging at a wallbox.
- Charging at a 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 cancelled.

Notes on charging the high-voltage battery at a wallbox or charging station (mode 3)

⚠ **DANGER** Risk of fatal injury from incorrectly installed component parts

Connecting the charging cable to a wallbox using incorrectly installed component parts could cause a fire or an electric shock, for example.

▶ Only connect the charging cable to a wallbox that:

- Has been properly installed and
- Has been inspected by a qualified electrician

▶ For safety reasons, only use charging cables that have been tested and approved by the manufacturer for charging the high-voltage battery in an electric vehicle.

▶ Never use damaged charging cables.

▶ Do not extend the charging cable.

▶ Do not use adapters.

▶ Observe the safety notes in the operating instructions for the wallbox.

If charging at a wallbox without pre-installed cable, use the optionally available charging cable for wallbox and charging station (mode 3). The charging cable is stowed in a bag in the boot/luggage compartment.

Only use charging cables that have been tested and approved by the manufacturer for charging the high-voltage battery in an electric vehicle.

⚠ **DANGER** Risk of fatal injuries due to damaged components

Connecting the charging cable to a charging station using a damaged component part could cause a fire or an electric shock, for example.

▶ For charging stations with a preinstalled charging cable:

- Perform a visual check of the charging station for obvious faults, such as massive damage to the housing or charging cable.

- For charging stations without a preinstalled charging cable:
  - For safety reasons, only use charging cables that have been tested and approved by the manufacturer for charging the high-voltage battery in an electric vehicle.
  - Never use damaged charging cables.
  - Do not extend the charging cable.
  - Do not use adapters.
- Make sure to observe the safety information on the charging station.

Most charging stations must be activated before the charging process, e.g. using an RFID card. Observe the on-site operator's instructions for the charging station.

The amount of energy dispensed for the charging process, shown by the charging station, may be higher than the amount of energy actually absorbed by the high-voltage battery. This is the result of different levels of charging losses and is described as recharge efficiency. Charging losses occur, for example, due to heat that builds up when charging or from auxiliary consumers that are switched on. Further information on recharge efficiency can be obtained at a qualified specialist workshop.

Setting the 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.

- Make sure that the external mains supply has been designed to handle the set charging current.
- If necessary, reduce the set charging current or use a different mains socket.
- For safety reasons, only use the charging cable supplied with the vehicle or an original Mercedes-Benz charging cable. Mercedes-Benz thoroughly tests these original charging cables for their suitability for high-voltage charging of your vehicle. Purchase these parts at a Mercedes-Benz Service Centre and obtain advice there.
- Check the setting of the maximum charge current using the charging capacity shown in the Instrument Display.

Before charging at a mains socket, have the maximum permissible charging current for the relevant mains socket or the building inspected by a qualified electrician. 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. When abroad, observe the country-specific laws when charging. If you have questions concerning setting the charging current or if there is a malfunction, please contact a qualified specialist workshop.

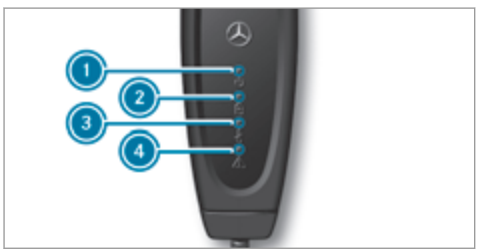
- Set the maximum permissible charging current in the multimedia system menu (→ page 326).

If the exact value of the maximum permissible charging current cannot be set, select the next smaller adjustable value.

ⓘ If the vehicle requires more time than usual to charge the high-voltage battery, check the maximum charging current settings in the multimedia system menu.

Overview of the charging cable control panel

The charging cable control panel shows the current status of the charging process.



1 Supply voltage indicator
2 Charging process indicator
3 Temperature monitor indicator
4 Safety system indicator

Supply voltage indicator 1

Display	Meaning
Lights up white	The supply voltage is connected.

Charging process indicator 2

Display	Meaning
Flashes green	The high-voltage battery is charging.

Temperature control indicator 3

Display	Meaning
Lights up red	The green LED flashes simultaneously: overtemperature – the charging performance is reduced. The green LED does not flash: overtemperature – the charging process is stopped.
Flashes red	Overtemperature at the mains plug – the charging process is stopped.

Safety system indicator (4)

Display	Meaning
Flashes red	Charging cable malfunction – cannot carry out the charging process, reset the charging cable operating unit.
Lights up red	White LED is off: power supply malfunction – cannot carry out the charging process, replace the mains socket. White LED is on: vehicle malfunction – cannot carry out the charging process, reset the charging cable operating unit.

When all four displays light up, the charging cable operating unit performs a self-test.

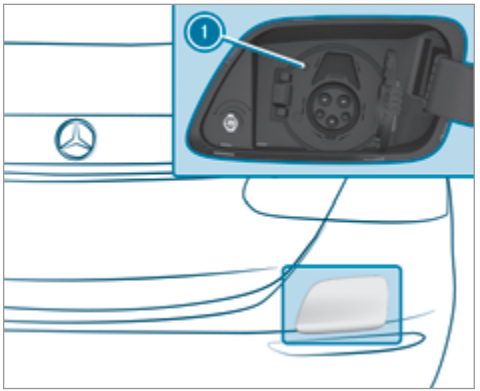
If temperature monitor (3) indicates a malfunction, it may help to protect the charging cable from direct sunlight.

To reset the charging cable operating unit: if safety system (4) indicates a charging cable malfunction or a vehicle malfunction, first reset the charging cable operating unit. To do this, disconnect the charging cable from the vehicle and from the mains socket and wait for approximately five seconds. If the malfunction persists after the charging cable is reconnected, charging at the mains socket is not possible. The charging cable must be replaced or the vehicle plug must be checked at a qualified specialist workshop, depending on the indicator.

Functions of the indicator lamps on the vehicle socket

- Depending on the national version, one of the following vehicle sockets is located on the right-hand side of the rear bumper.
- The socket flap is centrally locked and unlocked together with the vehicle.

Type 1 vehicle socket

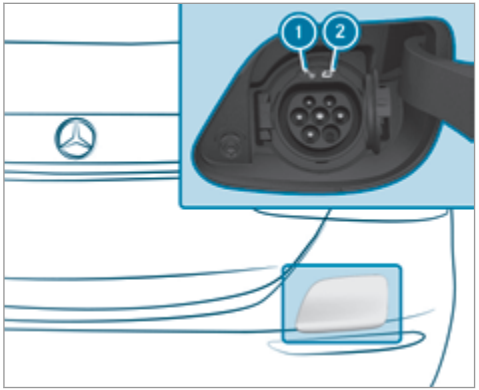


(1) Status of the charging process

Overview of the indicator lamp status

Indicator lamp	Meaning
Flashes orange	Connection is being established
Flashes green	Charging process
Lights up orange	Interruption in charging
Lights up green	High-voltage battery fully charged
Flashes red	Malfunction

Type 2 vehicle socket



1 Locking status
2 Status of the charging process

Overview of the locking status

Locking status 1	Display	Meaning
	Lights up white	• The vehicle socket is unlocked • Connect or remove charging cable

Overview of the charging process status

Status of the charging process 2	Display	Meaning
	Flashes orange	Connection is being established
	Flashes green	Active energy flow

Status of the charging process (2)	Display	Meaning
	Lights up orange	Interruption in charging
	Lights up green	Charging process completed
	Flashes red	A malfunction has occurred during charging. The indicator lamp goes out after approximately 90 seconds.

ⓘ If the indicator lamps are off, lock or unlock the vehicle using the key. The indicator lamps will then display the current status of the charging process.

Starting the charging process

⚠ **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 to the vehicle due to overvoltage in the mains supply

The vehicle is equipped with an electrical fuse which protects it against overvoltage in the mains supply. This electrical fuse may trip during severe thunderstorms, for example, and may cause the fuse in the building to trip or may interrupt the charging process. These functions protect the vehicle.

After the fuse in the building is switched on again, the charging process resumes automatically.

Following an interruption in the power supply without the fuse in the building being tripped, it may take up to ten minutes for charging to resume automatically.

! **NOTE** Damage due to overheating of charging cable and charging cable connector

During the charging process, the charging cable and charging cable connector can heat up within their permissible limit values.

The permissible limit values are influenced by the following factors:

- the power supply system and the charging cable are not damaged

- the instructions for handling the charging cable and the control element on the charging cable have been observed

▶ If the charging cable or charging cable connector becomes too hot, have the power supply system checked.

! **NOTE** Damaged or dirty vehicle socket when the socket flap is open

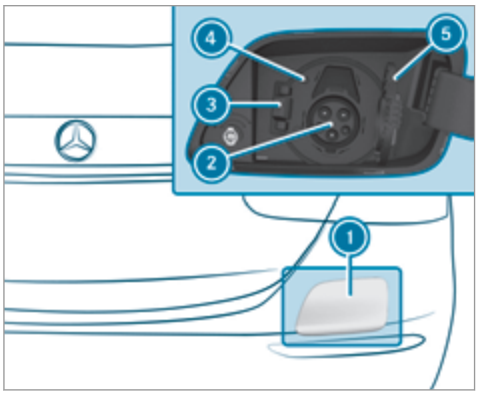
▶ Always keep the socket cover and the socket flap closed when there is no charging cable connected. This protects the vehicle socket from dirt and damage.

▶ Make sure that the socket cover is closed properly before closing the socket flap. This can otherwise result in damage which may prevent the socket flap from being opened again.

Requirements:

- The transmission is in position P.
- The hybrid system is not activated. The READY display in the Instrument Display is off.
- The vehicle is unlocked.
- The charging cable is not taut.

Type 1 vehicle socket



▶ Press the bottom left of socket flap (1) and swing the socket flap open outwards.

ⓘ When the hybrid system is activated (the READY display in the Instrument Display), socket flap (1) cannot be opened.

▶ Press catch (3) to the left and fold up socket cover (5).

▶ **To charge at a mains socket (mode 2):** insert the mains plug into the mains socket of the external power source to the stop.

▶ Set the maximum charging current if required.

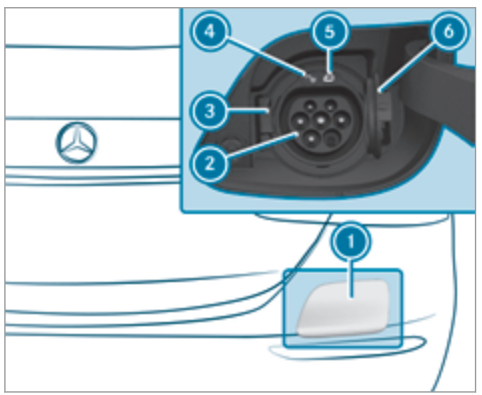
▶ Insert the charging cable connector into vehicle socket (2) to the stop.
Make sure that the charging cable is not taut when inserted.
Indicator lamp (4) flashes orange and, as soon as the high-voltage battery is charged, green.

▶ **To charge at a wallbox/charging station (mode 3):** insert the charging cable connector into vehicle socket (2) to the stop.
Make sure that the charging cable is not taut when inserted.
Indicator lamp (4) flashes orange and, as soon as the high-voltage battery is charged, green.

When the charging cable is connected to the vehicle, the vehicle cannot be started or moved.

At the start of the charging process, the charging side is shown in the Instrument Display with a charging prediction. The charging prediction either refers to the predicted charge level at the set departure time, or the time at which the high-voltage battery will be fully charged.

Type 2 vehicle socket



- Press the bottom left of socket flap (1) and swing the socket flap open outwards.
  The [indicator] indicator lamp (4) lights up.

ⓘ When the hybrid system is activated (the READY display in the Instrument Display), socket flap (1) cannot be opened.

- Press catch (3) to the left and fold up socket cover (6).
- **To charge at a mains socket (mode 2):** insert the mains plug into the mains socket of the external power source to the stop.
- Set the maximum charging current if required.
- Insert the charging cable connector into vehicle socket (2) to the stop.
  Make sure that the charging cable is not taut when inserted.
  The [charging] indicator lamp (5) flashes orange and, as soon as the high-voltage battery is charged, green.
- **Charging at a wallbox/charging station (mode 3) without pre-installed cable:** insert the charging cable connector into vehicle socket (2) to the stop.
- Insert the charging cable connector into the socket of the wallbox to the stop.
  Make sure that the charging cable is not taut when inserted.
  The [charging] indicator lamp (5) flashes orange and, as soon as the high-voltage battery is charged, green.

When the charging cable is connected to the vehicle, the vehicle cannot be started or moved.

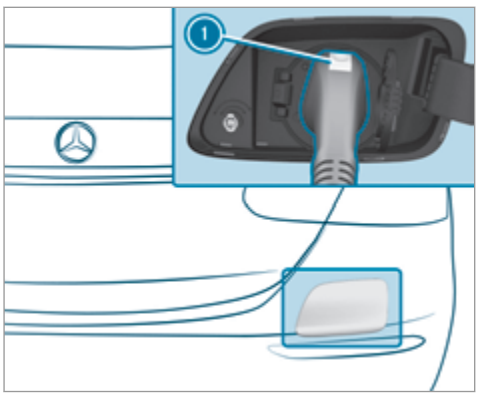
At the start of the charging process, the charging side is shown in the Instrument Display with a charging prediction. The charging prediction either refers to the predicted charge level at the set departure time, or the time at which the high-voltage battery will be fully charged.

ⓘ Depending on the temperature, the fan and battery cooling system may audibly switch on during the charging process.

ⓘ If the vehicle is idle for lengthy periods and connected to the mains supply, the high-voltage battery will be recharged automatically as needed or when electrical consumers are activated.

Ending the charging process

Type 1 vehicle socket



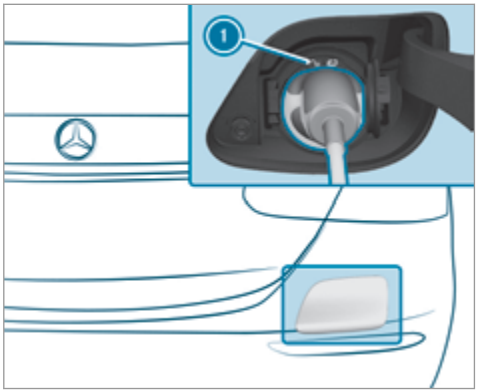
▶ Press and hold button 1 on the charging cable connector and remove the charging cable connector from the vehicle socket.

ⓘ If the charging cable connector is blocked, contact a qualified specialist workshop.

▶ **Charging at a mains socket (mode 2):** disconnect the mains plug from the mains socket and stow the charging cable safely in the vehicle (⟶ page 196).

▶ Close the socket cover and the socket flap.

Type 2 vehicle socket



▶ Unlock the vehicle.
The charging process is ended. The indicator lamp 1 lights up white. The vehicle socket is unlocked.

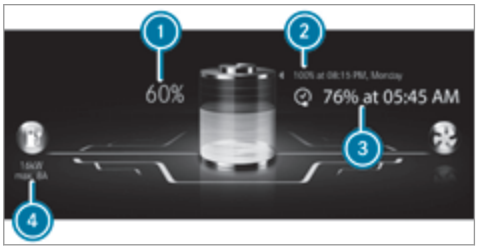
- Remove the charging cable connector from the vehicle socket within 30 seconds. After the 30 seconds have elapsed, the vehicle socket will be locked again and the charging process will resume.

ⓘ If you cannot remove the charging cable connector, repeat the unlocking procedure. If the charging cable connector is still locked, contact a qualified specialist workshop.

- **Charging at a mains socket (mode 2):** disconnect the mains plug from the mains socket and stow the charging cable safely in the vehicle (→ page 196).
- **Charging at a wallbox/charging station (mode 3) without pre-installed charging cable:** remove the charging cable connector from the wallbox socket and stow the charging cable safely in the vehicle (→ page 196).
- Close the socket cover and the socket flap.

ⓘ After the charging cable connector has been disconnected, the left indicator lamp ① on the vehicle socket remains lit for some time before switching off.

Function of the charge level display in the Instrument Display



① Current charge level
② Time at which completely charged
③ Predicted charge level at pre-selected departure time
④ Current charging capacity

When the vehicle is connected to the mains supply and is switched off, the Instrument Display shows the charge level display for approximately two minutes.

The value for current charging capacity ④ may differ from the display on the charging station. At a charging capacity of 10 kW or higher, the value in the charge level display is rounded off and shown without a decimal place.

ⓘ The value in item ③ 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 charge level at the pre-selected departure time.

Parking

Parking the vehicle

WARNING Risk of accident and injury caused by an insufficiently secured vehicle rolling away

If the vehicle is not securely parked sufficiently, it can roll away in an uncontrolled way even at a slight downhill gradient.

- On uphill or downhill gradients, turn the front wheels so that the vehicle rolls towards the kerb if it starts moving.

- apply the parking brake.
- Switch the transmission to position P.

WARNING Risk of fire caused by hot exhaust system parts

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

- Park the vehicle so that no flammable material can come into contact with hot vehicle components.
- In particular, do not park on dry grassland or harvested grain fields.

WARNING Risk of accident and injury due to leaving children 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 by, for example:

- releasing the parking brake.
- changing the transmission 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 vehicle key out of the reach of children.

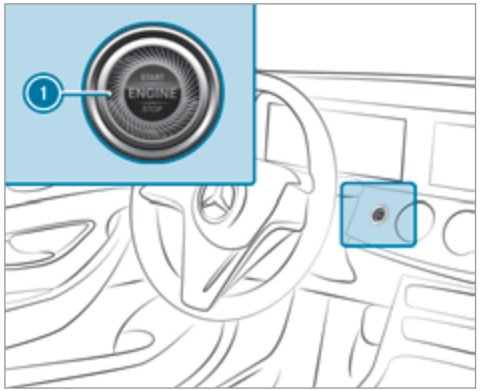
NOTE Damage to the vehicle due to it rolling away

- Always secure the vehicle against rolling away.

NOTE Damage due to the vehicle lowering

Vehicles with AIR BODY CONTROL or level control: 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.



- Bring the vehicle to a standstill by pressing the brake pedal.
- On gradients, turn the front wheels so that the vehicle will roll towards the kerb if it starts moving.
- Apply the electric parking brake.
- Engage transmission position P in a stationary vehicle with the brake pedal applied (→ page 187).
- Switch off the vehicle by pressing the (1) button.
- Release the service brake slowly.
- Get out of the vehicle and lock it.

ⓘ When you park the vehicle, you can still operate the side windows and the sliding sunroof for approximately four minutes if the driver's door is closed.

ⓘ When you park the vehicle, you can still operate the side windows and the panoramic sliding sunroof for approximately four minutes if the driver's door is closed.

Garage door opener

Programming buttons for the garage door opener

DANGER Risk of fatal injuries caused by exhaust gases

Combustion engines emit poisonous exhaust gases such as carbon monoxide. Inhaling these exhaust gases is hazardous to health and leads to poisoning.

- Never leave the vehicle or, if present, the stationary heater running in an enclosed space without sufficient ventilation.

WARNING Risk of injury by becoming trapped when opening and closing a garage door

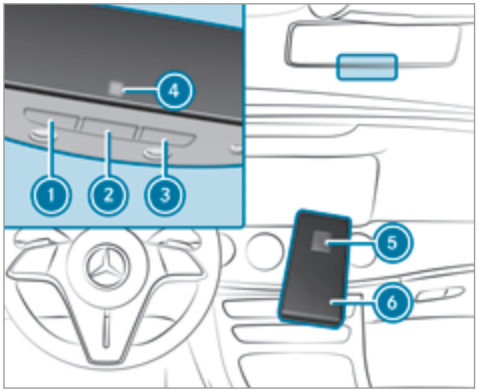
When you operate or program a garage door with an integrated garage door opener, persons can become trapped or struck by the garage door if they stand within its range of movement.

▶ Always make sure that nobody is within the range of the garage door's movement.

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 has not been started.

ⓘ The garage door opener function is always available when the vehicle is switched on.



▶ Press and hold button 1, 2 or 3 that you wish to program.
Indicator lamp 4 flashes yellow.

ⓘ It can take up to 20 seconds before the indicator lamp flashes yellow.

▶ Release the previously pressed button.
Indicator lamp 4 continues to flash yellow.

▶ Point remote control 6 from a distance of 1 cm to 8 cm towards button 1, 2 or 3.

▶ Press and hold button 5 of remote control 6 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, synchronisation of the rolling code with the door system must be carried out.

▶ If indicator lamp 4 does not light up or flash green: repeat the procedure.

▶ Release all of the buttons.

ⓘ The remote control for the door drive is not included in the scope of delivery of the garage door opener.

Synchronising 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 previously programmed button (1), (2) or (3) repeatedly until the door closes.
When the door closes, programming is completed.

ⓘ Please also read the operating instructions for the door drive.

Troubleshooting when programming the remote control

▶ Check if the transmitter frequency of remote control (6) is supported.

▶ Replace the batteries in remote control (6).

▶ Hold remote control (6) at various angles from a distance of 1 cm to 8 cm front of the inside rearview mirror. You should test every position for at least 25 seconds before trying another position.

▶ Hold remote control (6) at the same angles at various distances in front of the inside rear view mirror. You should test every position for at least 25 seconds before trying another position.

▶ On remote controls that transmit only for a limited period, press button (5) on remote control (6) again before transmission ends.

▶ Angle the aerial line of the garage door opener unit towards the remote control.

ⓘ Support and additional information on programming:

- On the HomeLink® Hotline on (0) 08000 466 354 65 or +49 (0) 6838 907-277
- On the Internet at https://www.homelink.com

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 indicator lamp (4) flashes yellow after approximately 20 seconds: press and hold the previously pressed button again 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 leaving children 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 by, for example:

- releasing the parking brake.
- changing the transmission 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 vehicle key out of the reach of children.

The electric parking brake is applied if the transmission is in position P and one of the following conditions is fulfilled:

- The vehicle is switched off.
- The seat belt tongue is not inserted in the seat belt buckle of the driver's seat and the driver's door is opened.

ⓘ To prevent application: pull the handle of the electric parking brake (→ page 214).

In the following situations, the electric parking brake is also applied:

- The HOLD function is keeping the vehicle stationary.
- Active Parking Assist is keeping the vehicle stationary.
- Active Distance Assist DISTRONIC is bringing the vehicle to a standstill.
- **In addition, one of the following conditions must be fulfilled:**
  - The vehicle is switched off.
  - The seat belt tongue is not inserted in the seat belt buckle of the driver's seat and the driver's door is opened.
  - 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 (P) indicator lamp lights up in the instrument cluster.

ⓘ The electric parking brake is not automatically applied if the vehicle is switched off by the ECO start/stop function.

Function of the electric parking brake (releasing automatically)

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 when on level ground.
- If the transmission is in position R, the boot lid must be closed.
- The seat belt tongue is inserted into the seat belt buckle of the driver's seat.

  If the seat belt tongue is not inserted into the seat belt buckle of the driver's seat, one of the following conditions must be fulfilled:

  - You shift from transmission position P.

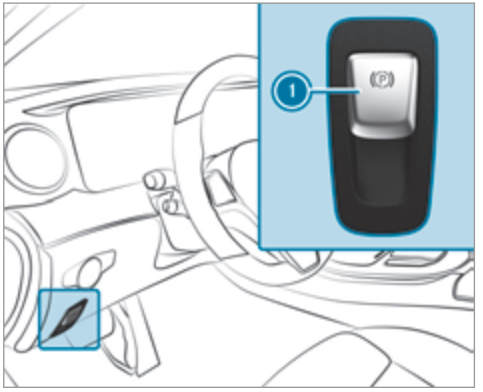
    or

  - You have previously driven at speeds greater than 3 km/h.

When the electric parking brake is released, the red (P) indicator lamp in the instrument cluster goes out.

Applying/releasing the electric parking brake manually

Applying



▶ Push handle 1.
The red (P) indicator lamp lights up in the instrument cluster.

ⓘ The electric parking brake is only securely applied if the red (P) indicator lamp is lit continuously.

Releasing

▶ Switch on the vehicle.

▶ Pull handle 1.
The red (P) indicator lamp in the instrument cluster goes out.

Emergency braking

▶ Press and hold handle 1.
As long as the vehicle is in motion, the Release parking brake message is displayed and the red (P) indicator lamp flashes.

When the vehicle has been braked to a standstill, the electric parking brake is applied. The red (P) indicator lamp lights up in the instrument cluster.

Information on collision detection on a parked vehicle

If a collision is detected when the tow-away protection is primed on a locked vehicle, you will

receive a notification in the multimedia system when you switch the vehicle on.

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:

- The parked vehicle is moved, for example, in a two-storey garage.

ⓘ Deactivate tow-away protection in order to prevent inadvertent activation. If you deactivate tow-away protection, collision detection will also be deactivated.

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

Notes on parking up the vehicle

If you leave the vehicle parked up for longer than six weeks, it may suffer damage through disuse.

The 12 V battery may also be impaired or damaged by heavy discharging.

ⓘ Further information can be obtained at a qualified specialist workshop.

Standby mode (extension of the starter battery's period out of use)

Standby mode function

ⓘ This function is not available for all models.

If standby mode is activated, energy loss will be minimised during extended periods of non-operation.

Standby mode is characterised by the following:

- The starter battery is preserved.
- The maximum non-operational time appears in the media display.
- The connection to online services is interrupted.
- The ATA (anti-theft alarm system) is not available.
- The interior protection and tow-away protection functions are not available.
- The function for detecting collisions on a parked vehicle is not available.

If the following conditions are fulfilled, standby mode can be activated or deactivated using the multimedia system:

- The vehicle is switched on.
- The vehicle has not been started.

Exceeding the vehicle's displayed non-operational time may cause inconvenience; i.e. it cannot be guaranteed that the starter battery will reliably start the vehicle.

Charge the starter battery in the following situations:

- The vehicle's non-operational time must be extended.

- The Battery charge insufficient for standby mode message appears in the media display.

ⓘ Standby mode is automatically deactivated when the vehicle is switched on.

Activating/deactivating standby mode (parking up the vehicle)

Requirements:
- The engine is switched off.

Multimedia system:

⌂ ▸▸ Settings ▸▸ Vehicle

▶ Activate or deactivate Standby mode.

▶ Select Yes.

Driving and driving safety systems

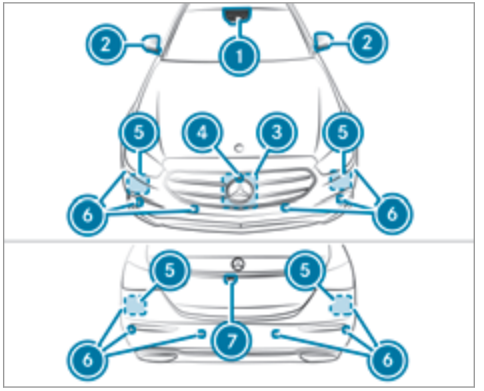
Driving systems and your responsibility

Your vehicle is equipped with driving systems which assist you in driving, parking and manoeuvring the vehicle. The driving systems are only aids. They are not a substitute for your attention to the surroundings and do not relieve you of your responsibility pertaining to road traffic law. The driver is always responsible for maintaining a safe distance to the vehicle in front, for vehicle speed, for braking in good time and for staying in lane. Pay attention to the traffic conditions at all times and intervene when necessary. Be aware of the limitations regarding the safe use of these systems.

Driving systems can neither reduce the risk of accident if you fail to adapt your driving style nor override the laws of physics. They cannot always take into account road, weather or traffic conditions.

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 outside mirrors
3. Front radar
4. Front camera
5. Corner radars
6. Ultrasonic sensors
7. Reversing 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.

Particularly, keep the areas around the sensors and cameras free of dirt, ice or slush (→ page 370). The sensors and cameras must not be covered and the detection ranges around them must be kept free. Do not attach additional licence plate brackets, advertisements, stickers, foils or foils to protect against stone chippings in the detection range of the sensors and cameras.

Make sure that there are no overhanging loads protruding into the detection range.

If there is damage to a bumper or the radiator grille, 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.

ⓘ The reversing camera can extend and retract automatically for the purpose of calibration, even though there is no camera image in the display.

Overview of driving systems and driving safety systems

- ABS (**A**nti-lock **B**raking **S**ystem) (→ page 218)
- BAS (**B**rake **A**ssist **S**ystem) (→ page 218)
- ESP® (**E**lectronic **S**tability **P**rogram) (→ page 219)
- ESP® Crosswind Assist (→ page 220)
- ESP® trailer stabilisation (→ page 220)
- EBD (**E**lectronic **B**rakeforce **D**istribution) (→ page 221)
- STEER CONTROL (→ page 221)
- HOLD function (→ page 221)
- Hill Start Assist (→ page 222)
- Adaptive Brake Lights (→ page 223)
- ATTENTION ASSIST (→ page 223)
- Cruise control (→ page 224)
- Limiter (→ page 225)
- Traffic Sign Assist (→ page 243)
- DYNAMIC BODY CONTROL (→ page 250)
- AIR BODY CONTROL (→ page 250)
- Trailer Manoeuvring Assist (→ page 270)

Driving Assistance package

The following functions are part of the Driving Assistance Package. Certain functions are only available in some countries. Some functions are also available without the Driving Assistance Package, albeit with restricted functionality.

- Active Distance Assist DISTRONIC (→ page 228)

- Active Speed Limit Assist (country-dependent) (→ page 233)
- Route-based speed adaptation (country-dependent) (→ page 233)
- Active Brake Assist (→ page 238)
- Active Steering Assist (country-dependent) (→ page 235)
- Active Emergency Stop Assist (country-dependent) (→ page 238)
- Active Stop-and-Go Assist (country-dependent) (→ page 235)
- Blind Spot Assist and Active Blind Spot Assist with exit warning (→ page 245)
- Active Lane Keeping Assist (→ page 247)

Parking Package

- Reversing camera (→ page 253)
- 360° Camera (→ page 256)
- Parking Assist PARKTRONIC (→ page 260)
- Active Parking Assist (→ page 264)

Functions of ABS

The Anti-lock Brake System (ABS) regulates the brake pressure in critical driving situations:

- During braking, for instance, at maximum full-stop braking or if there is insufficient tyre traction, the wheels are prevented from locking.
- Vehicle steerability while braking is ensured.

If ABS intervenes when braking, you will feel a pulsing in the brake pedal. The pulsating brake pedal can be an indication of hazardous road conditions and can serve as a reminder to take extra care while driving.

System limits

- ABS is active from speeds of approx. 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 in the instrument cluster after the vehicle is started.

Function of BAS

WARNING Risk of an accident caused by a malfunction in BAS (Brake Assist System)

If BAS is malfunctioning, the braking distance in an emergency braking situation is increased.

- Depress the brake pedal with full force in emergency braking situations. ABS prevents the wheels from locking.

The Brake Assist System (BAS) supports your emergency braking situation with additional brake force.

If you depress the brake pedal quickly, BAS is activated:

- BAS automatically boosts the brake pressure.
- BAS can shorten the braking distance.
- ABS prevents the wheels from locking.

The brakes will function as usual once you release the brake pedal. BAS is deactivated.

Function of ESP®

WARNING Risk of skidding if ESP® is deactivated

If you deactivate ESP®, ESP® cannot carry out vehicle stabilisation.

- ESP® should only be deactivated in the following situations.

NOTE Mercedes-AMG vehicles

- Observe the notes in the Supplement. You could otherwise fail to recognise dangers.

The Electronic Stability Program (ESP®) can monitor and improve driving stability and traction in the following situations within physical limits:

- When pulling away on wet or slippery carriageways.
- When braking.

If the vehicle deviates from the direction desired by the driver, ESP® can stabilise the vehicle by intervening in the following ways:

- One or more wheels are braked.
- The engine output is adapted according to the situation.

When ESP® is deactivated, the OFF 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 ESP® is deactivated, you are still assisted by ESP® when braking.

When the warning lamp flashes, one or several wheels has reached its grip limit:

- Adapt your driving style to suit the current road and weather conditions.
- Do not deactivate ESP®.
- Only depress the accelerator pedal as far as is necessary when pulling away.

Deactivate ESP® in the following situations to improve traction:

- When using snow chains.
- In deep snow.
- On sand or gravel.

ⓘ Spinning the wheels results in a cutting action, which enhances traction.

If the ESP® warning lamp lights up continuously, ESP® is not available due to a malfunction.

Observe the following information:

- Warning and indicator lamps (→ page 499)
- Display messages (→ page 433)

ETS/4ETS (Electronic Traction System)

ETS/4ETS traction control is part of ESP® and makes it possible to pull away and accelerate on a slippery carriageway.

ETS/4ETS can improve the vehicle's traction by intervening in the following ways:

- The drive wheels are braked individually if they spin.

- More drive torque is transferred to the wheel or wheels with traction.

Influence of drive programs on ESP®

The drive programs enable ESP® to adapt to different weather and road conditions as well as the driver's preferred driving style. Depending on the selected drive program, the appropriate ESP® mode will be activated. You can select the drive programs using the DYNAMIC SELECT switch (→ page 184).

Function of ESP® Crosswind Assist

ESP® Crosswind Assist detects sudden gusts of side wind and helps the driver to keep the vehicle in the lane:

- ESP® Crosswind Assist is active at vehicle speeds between approx. 75 km/h and 200 km/h when driving straight ahead or cornering slightly.
- The vehicle is stabilised by means of individual brake application on one side.

Function of ESP® trailer stabilisation

⚠ WARNING Risk of accident in poor road and weather conditions

In poor road and weather conditions, the trailer stabilisation cannot prevent lurching of the vehicle/trailer combination. Trailers with a high centre of gravity may tip over before ESP® detects this.

▶ Always adapt your driving style to suit the current road and weather conditions.

When driving with a trailer, ESP® can stabilise your vehicle if the trailer begins to swerve from side to side:

- ESP® trailer stabilisation is active above speeds of 65 km/h.
- Slight swerving is reduced by means of a targeted, individual brake application on one side.
- In the event of severe swerving, the engine output is also reduced and all wheels are braked.

ESP® trailer stabilisation 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:

→ ⌂ ▸▸ Settings ▸▸ Quick access

ⓘ ESP® can only be activated/deactivated using quick access when at least one other function is available in quick access. ESP® can otherwise be found in the Assistance menu.

! NOTE Mercedes-AMG vehicles

▶ Observe the notes in the Supplement. You could otherwise fail to recognise dangers.

▶ Select ESP.

▶ Select On or OFF Off.

ⓘ If ESP® is deactivated and drive program EL was previously selected, drive program C is automatically activated the next time the engine is started.

ESP® is deactivated if the ESP® OFF warning lamp lights up continuously in the instrument cluster.

Observe the information on warning lamps and display messages which may be shown in the instrument cluster.

Function of EBD

Electronic Breakforce Distribution (EBD) is characterised by the following:

- Monitoring and regulating the brake pressure on the rear wheels.
- Improved driving stability when braking, especially on bends.

Function of STEER CONTROL

STEER CONTROL assists you by transmitting a noticeable steering force to the steering wheel in the direction required for vehicle stabilisation.

This steering recommendation is given in the following situations:

- both right wheels or both left wheels are on a wet or slippery road surface when you brake
- the vehicle starts to skid

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 electric power steering.

HOLD function

HOLD function

The HOLD function holds the vehicle at a standstill without requiring you to depress the brake pedal, e.g. while waiting in traffic.

The HOLD function is only an aid. The responsibility for the vehicle safely standing still remains with the driver.

System limits

The HOLD function is only intended to provide assistance when driving and is not a sufficient means of safeguarding the vehicle against rolling away when stationary.

- The incline 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 seat belt on the driver's side is fastened.
- The vehicle has been started or has been automatically switched off by the ECO start/stop function.
- The vehicle has been started.
- The electric parking brake is released.
- Active Distance Assist DISTRONIC is deactivated.
- The transmission is in position D, R or N.

Activating the HOLD function

► Depress the brake pedal, and after a short time quickly depress further until the HOLD display appears in the Instrument Display.

► Release the brake pedal.

Deactivating the HOLD function

► Depress the accelerator pedal to pull away.

or

► Depress the brake pedal until the HOLD display disappears from the Instrument Display.

The HOLD function is deactivated in the following situations:

- Active Distance Assist DISTRONIC is activated.
- The transmission is shifted to position P.
- The vehicle is secured with the electric parking brake.

In the following situations, the vehicle is held by transmission position P and/or by the 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.

Function of Hill Start Assist

Hill Start Assist holds the vehicle for a short time when pulling away on a hill under the following conditions:

- The transmission is in position D or R.
- The electric parking brake is released.

This gives you enough time to move your foot from the brake pedal to the accelerator pedal and depress it before the vehicle begins to roll away.

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.

Function of Adaptive Brake Lights

Adaptive Brake Lights warn following traffic in an emergency braking situation with the following actions:

- By flashing the brake lamps
- By activating the hazard warning lights

If the vehicle is braked sharply from speeds above 50 km/h, the brake lamps flash rapidly. This provides traffic travelling behind you with an even more noticeable warning.

If the vehicle is travelling at speeds of more than 70 km/h at the beginning of the brake application, the hazard warning lights switch on once the vehicle is stationary. When you pull away again, the hazard warning lights will switch off automatically at approximately 10 km/h. You can also switch off the hazard warning lights using the hazard warning button.

ATTENTION ASSIST

Function of ATTENTION ASSIST

ATTENTION ASSIST assists you on long, monotonous journeys, e.g. on motorways and trunk roads. If ATTENTION ASSIST detects indicators of fatigue or increasing lapses in concentration on the part of the driver, it suggests taking a break.

ATTENTION ASSIST is only an aid. It cannot always detect fatigue or lapses in concentration in time. The system is not a substitute for a well-rested and attentive driver. On long journeys, take regular breaks in good time that allow for adequate recuperation.

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 drowsiness or increasing lapses in concentration are detected, the ATTENTION ASSIST: Take a break! warning appears in the Instrument Display. You can acknowledge the message and take a break where 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.



You can have the following status information for ATTENTION ASSIST displayed in the assistance menu of the on-board computer:

- The length of the journey since the last break.

- The attention level determined by ATTENTION ASSIST:
  - the fuller the circle, the higher the attention level determined
  - as your attention wanes, the circle in the centre of the display becomes smaller

If ATTENTION ASSIST is unable to calculate the attention level and cannot issue a warning, the System suspended message appears.

If a warning is given in the Instrument Display, the multimedia system offers to search for a rest area. You can select a rest area and start navigation to this rest area. This function can be activated and deactivated in the multimedia system.

If ATTENTION ASSIST is deactivated, the  symbol appears in the assistance graphic in the Instrument Display. After the vehicle is started, ATTENTION ASSIST is automatically activated. The last selected sensitivity level remains stored.

System limits

ATTENTION ASSIST is active in the 60 km/h to 200 km/h speed range.

Particularly in the following situations, ATTENTION ASSIST only functions in a restricted manner and warnings may be delayed or not occur:

- 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 Active Steering Assist is activated and active (→ page 235).
- If the time has been set incorrectly.
- If you change lanes and vary your speed frequently in active driving situations.

The ATTENTION ASSIST drowsiness or alertness assessment is reset and restarted when continuing the journey in the following situations:

- You switch off the vehicle.
- If you unfasten your seat belt and open the driver's door (e.g. to change drivers or take a break).

Setting ATTENTION ASSIST

Multimedia system:

→  ▸▸ Settings ▸▸ Assistance ▸▸ Attention Assist

Setting options

▶ Select Standard, Sensitive or Off.

Suggesting a rest area

▶ Select Suggest rest area.

▶ Activate or deactivate the function.
If ATTENTION ASSIST detects fatigue or increasing lack of attention, it suggests a rest area in the vicinity.

▶ Select the suggested rest area.
You are guided to the selected rest area.

Cruise control and limiter

Function of cruise control

Cruise control regulates the speed to the value selected by the driver.

If you accelerate to overtake, for example, the stored speed is not deleted. If you remove your

foot from the accelerator pedal after overtaking, cruise control will resume speed regulation back to the stored speed.

You can store any speed above 20 km/h up to the maximum design speed or up to the set winter tyre limit.

Observe the notes on driving systems and your responsibility; you may otherwise fail to recognise dangers (→ page 216).

Mercedes-AMG vehicles: cruise control is available up to a maximum speed of 250 km/h.

Displays in the Instrument Display

- (grey): cruise control is selected but not yet activated.
- (green): cruise control is active.

A stored speed appears along with the display.

ⓘ The segments extending from the current stored speed to the end of the scale, or to the set winter tyre limit, light up in the speedometer.

System limits

Cruise control may be unable to maintain the stored speed on uphill gradients. The stored speed is resumed when the gradient evens out.

Change into a lower gear in good time on long and steep downhill gradients. Take particular note of this when driving a laden vehicle. By doing so, you will make use of the engine's braking effect. This relieves the load on the brake system and prevents the brakes from overheating and wearing too quickly.

Do not use cruise control in the following situations:

- in traffic situations which require frequent changes of speed, e.g. in heavy traffic, on winding roads
- on slippery roads. Accelerating can cause the drive wheels to lose traction and the vehicle could then skid.
- when visibility is poor

Function of the limiter

The limiter restricts the speed of the vehicle. To reduce the speed to the set speed, the limiter applies the brakes automatically.

You can limit the speed as follows:

- **Variable:** for a short-term speed restriction, e.g. in built-up areas
- **Permanent:** for a longer-term speed restriction, e.g. in winter tyre mode

You can store any speed above 20 km/h up to the maximum design speed or up to the set winter tyre limit. You can also perform settings while the vehicle is stationary if the vehicle has been started.

Observe the notes on driving systems and your responsibility; you may otherwise fail to recognise dangers (→ page 216).

Mercedes-AMG vehicles: the limiter is available up to a maximum speed of 250 km/h.

Displays in the Instrument Display

- LIM (grey): variable limiter is selected but not yet activated.
- LIM (flashes grey): variable limiter is temporarily passive.
- LIM (green): variable limiter is activated.

A stored speed appears along with the LIM display. The segments in the speedometer light up, up to the currently stored speed.

If you depress the accelerator pedal beyond the pressure point (kickdown), the variable limiter switches to passive mode. The Limiter passive message appears in the Instrument Display and the LIM display flashes.

The variable limiter is reactivated in the following situations:

- If the vehicle speed drops below the stored speed.
- If the stored speed is called up.
- If you store a new speed.

Operating cruise control or the variable limiter

WARNING Risk of accident due to stored speed

If you call up the stored speed and this is lower than your current speed, the vehicle decelerates.

▶ Take into account the traffic situation before calling up the stored speed.

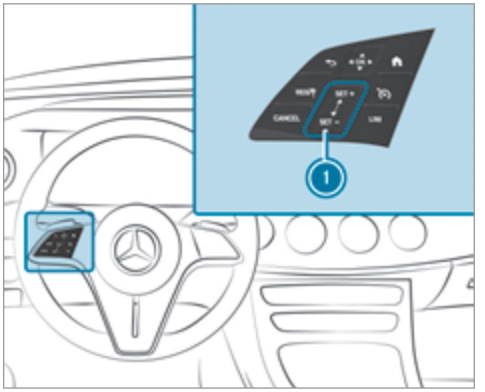
Requirements:

Cruise control

- Cruise control is selected.
- ESP® must be activated, but not intervening.
- The vehicle speed is at least 20 km/h.
- The transmission is in position D.

Variable limiter

- The variable limiter is selected.



Steering wheel control panel for cruise control and variable limiter

RES/ Adopts the stored/detected speed

CANCEL Deactivates cruise control/the variable limiter

Selects cruise control

LIM Selects the variable limiter

1 Control panel to increase/decrease speed

Operating cruise control and the variable limiter

- Press the corresponding button with only one finger or swipe on the control panel.

Switching between cruise control and the variable limiter

- **To select cruise control:** press [⏲].
- **To select the variable limiter:** press [LIM].

ⓘ Vehicles with Active Distance Assist DISTRONIC: the variable limiter is selected by a different button (→ page 230).

Activating cruise control or the variable limiter

- Press [SET/+] or [SET/–] on control panel (1). The current vehicle speed is stored and the vehicle maintains this speed (cruise control) or does not exceed it (variable limiter).

or

- Press [RES/↑]. The last stored speed is called up and the vehicle maintains this speed (cruise control) or does not exceed it (variable limiter).

  If the last stored speed has previously been deleted, the current vehicle speed is stored.

ⓘ When you switch off the vehicle, the last speed stored is deleted.
When you activate cruise control or Active Distance Assist DISTRONIC, the last speed stored for the variable limiter is deleted.

Increasing/decreasing the stored speed

- To increase the stored speed: swipe upwards from the bottom of control panel (1).
  - The stored speed is increased by 1 km/h.
- To decrease the stored speed: swipe downwards from the top of control panel (1).
  - The stored speed is decreased by 1 km/h.

or

- Briefly press [SET/+] or [SET/–] on control panel (1). The stored speed is increased or decreased to the next increment of ten (e.g. to 50 km/h or 60 km/h).

or

- Press and hold [SET/+] or [SET/–] on control panel (1). The stored speed is increased or decreased to the next increment of ten and afterwards by increments of 10 km/h.

or

- Accelerate the vehicle to the desired speed.
- Press [SET/+] on control panel (1).

ⓘ When the variable limiter is switched to passive mode, you cannot increase or decrease its stored speed in increments of 1 km/h.

Adopting a detected speed

If cruise control/variable limiter is activated and Traffic Sign Assist has detected a speed restriction sign with a maximum permissible speed and this is displayed in the instrument cluster:

- Press [RES/↑]. The maximum permissible speed shown by the traffic sign is stored and the vehicle maintains or does not exceed this speed.

Deactivating cruise control or the variable limiter

- Press [CANCEL].

ⓘ If you brake, deactivate ESP® or if ESP® intervenes, cruise control is deactivated. The variable limiter is not deactivated.

Information on the permanent limiter
If the vehicle should never exceed a specific speed (e.g. for driving in winter tyre mode), you can set this speed with the permanent limiter.

You do this by limiting the speed between 160 km/h and 240 km/h in the multimedia system (⟶ page 228).

Shortly before the set speed is reached, it appears in the Instrument Display. When you confirm the message, display messages no longer appear until you switch off the vehicle. The speed will only be displayed again once the vehicle has been restarted or if the set speed is changed.

The permanent limiter does not switch to passive mode even during kickdown and the driven speed remains below the set speed.

Setting the limit speed for winter tyres
Multimedia system:
⟶ ⌂ ▸▸ Settings ▸▸ Vehicle ▸▸ Winter tyres limit

▶ Select a speed or deactivate the function.

Active Distance Assist DISTRONIC

Function of Active Distance Assist DISTRONIC
Active Distance Assist DISTRONIC maintains the set speed on free-flowing roads. If vehicles in front are detected, the set distance is maintained, if necessary, until the vehicle comes to a halt. 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:** 20 km/h - 200 km/h
- **Vehicles with Driving Assistance Package:** 20 km/h - 210 km/h

Other features of Active Distance Assist DISTRONIC:

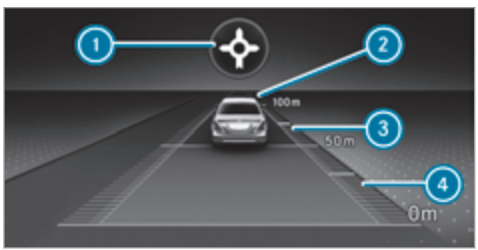
- Adjusts the driving style depending on the selected drive program (fuel-saving, comfortable or dynamic)
- Initiates acceleration to the stored speed if the turn signal indicator is switched on to change to the overtaking lane
- **Vehicles with Driving Assistance Package:**
  - Reacts to stationary vehicles detected in urban speed ranges (except bicycles and motorcycles)
  - Takes one-sided overtaking restrictions into account on motorways or on multi-lane roads with separate carriageways (country-dependent)

Vehicles with Driving Assistance Package and Parking Package: if the vehicle has been braked to a standstill on multi-lane, separate carriageways by Active Distance Assist DISTRONIC, it can automatically follow the vehicle in front when driving off again within 30 seconds. If a critical situation is detected when driving off, a visual and acoustic warning is given indicating 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; you may otherwise fail to recognise dangers (→ page 216).

Active Distance Assist DISTRONIC displays in the Instrument Display



Assistance graphic

1. Route-based speed adaptation: type of route event (→ page 233)
2. Vehicle in front
3. Distance indicator
4. Set specified distance

Permanent status display of Active Distance Assist DISTRONIC

- (white): Active Distance Assist DISTRONIC selected, specified distance set
- (white vehicle, green speedometer): Active Distance Assist DISTRONIC active, specified distance set and vehicle detected
- (green): Active Distance Assist DISTRONIC active, specified distance set and vehicle detected
- : Route-based speed adaptation active (→ page 233).

The stored speed is shown along with the permanent status display and highlighted on the speedometer. When Active Distance Assist DISTRONIC is passive, the speed is greyed out.

ⓘ On motorways or high-speed major roads, the green vehicle symbol is displayed cyclically when the vehicle is ready to pull away.

ⓘ If you depress the accelerator pedal beyond the setting of the Active Distance Assist DISTRONIC, the system is switched to passive mode. The suspended message appears in the Instrument Display.

Display on the speedometer

The stored speed is highlighted on the speedometer. If the speed of the vehicle in front or the speed adjustment for the route event ahead is less than the stored speed, the segments in the speedometer light up. The Instrument Display shows the deactivation of Active Distance Assist DISTRONIC, as well as alterations to the speed due to manual or automatic adoption of the maximum permissible speed.

System limits

The system may be impaired or may not function in the following situations, for example:

- In snow, rain, fog, heavy spray, if there is glare, in direct sunlight or in greatly varying light conditions.
- The windscreen in the area of the camera is dirty, misted up, damaged or covered.
- If the radar sensors are dirty or covered.
- In multi-storey car parks or on roads with steep uphill or downhill gradients.

- If there are narrow vehicles in front, such as bicycles or motorcycles.

In addition, on slippery roads, braking or accelerating can cause one or several wheels to lose traction and the vehicle could then skid.

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 and the variable limiter

Requirements:

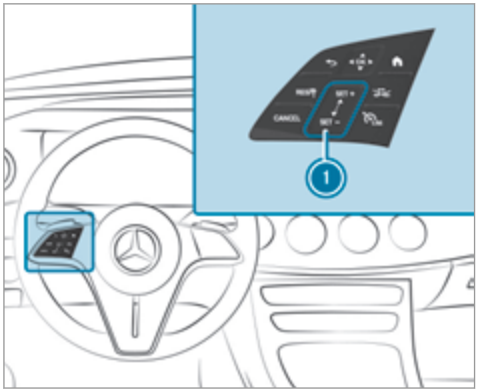
Active Distance Assist DISTRONIC:

- The electric parking brake is released.

- ESP® is activated and is not intervening.
- The transmission is in position D.
- All the doors are closed.
- Check of the radar sensor system has been successfully completed.

Variable limiter:

- The variable limiter is selected.



RES/ Adopts the stored/detected speed
CANCEL Deactivates the variable limiter/Active Distance Assist DISTRONIC
1 Increases/decreases the speed
Increases/decreases the specified distance
LIM Switches between the variable limiter and Active Distance Assist DISTRONIC

► **To operate Active Distance Assist DISTRONIC or the variable limiter:** press the respective button with only one finger or swipe on the control panel.

Switching between the variable limiter and Active Distance Assist DISTRONIC

► Press LIM.

Activating the variable limiter or Active Distance Assist DISTRONIC

► **To activate without a stored speed:** press SET/+, SET/– or RES/. **Active Distance Assist DISTRONIC:** remove your foot from the accelerator pedal.
The current vehicle speed is stored and maintained (Active Distance Assist DISTRONIC) or limited (variable limiter) by the vehicle.

or

► **To activate with a stored speed:** press RES/. **Active Distance Assist DISTRONIC:** remove your foot from the accelerator pedal.
The last stored speed is called up and the vehicle maintains this speed (Active Distance

Assist DISTRONIC) or does not exceed it (variable limiter).

If the stored speed has been deleted, the current vehicle speed is stored.

ⓘ When you switch off the vehicle, the stored speed is deleted. When you activate Active Distance Assist DISTRONIC, the last speed stored for the variable limiter is deleted.

Increasing or reducing the speed

▶ To increase the stored speed: swipe upwards from the bottom of control panel (1).
- The stored speed is increased by 1 km/h.

▶ To decrease the stored speed: swipe downwards from the top of control panel (1).
- The stored speed is decreased by 1 km/h.

or

▶ Briefly press SET/+ on the upper section or SET/– on the lower section of control panel (1).
The stored speed is increased or reduced by 10 km/h.

or

▶ Press and hold SET/+ on the upper section or SET/– on the lower section of control panel (1).
The stored speed is increased or reduced in increments of 10 km/h.

or

▶ Accelerate the vehicle to the desired speed.

▶ Press SET/+ on the upper section of control panel (1).

Adopting the limit speed shown in the instrument cluster

▶ Activate Active Distance Assist DISTRONIC.

▶ Press RES/.
The limit speed displayed in the instrument cluster is adopted as the stored speed. The vehicle adapts its speed to that of the vehicle in front, but only up to the stored speed.

Pulling away with Active Distance Assist DISTRONIC

▶ Activate Active Distance Assist DISTRONIC and remove your foot from the brake pedal.

▶ Press RES/.

or

▶ Depress the accelerator pedal briefly and firmly.
The functions of Active Distance Assist DISTRONIC continue to be carried out.

Reducing or increasing the specified distance from the vehicle in front

▶ Press .
The display appears. The specified distance is reduced by one level.

If the lowest level is already selected, the selection jumps to the highest level.

Deactivating Active Distance Assist DISTRONIC or the variable limiter

⚠ **WARNING** Risk of an accident due to Active Distance Assist DISTRONIC being active when you leave the driver's seat

If you leave the driver's seat while the vehicle is being braked by Active Distance Assist DISTRONIC only, the vehicle can roll away.

▶ Always deactivate Active Distance Assist DISTRONIC and secure the vehicle to

prevent it from rolling away before you leave the driver's seat.

▶ Press CANCEL.

ⓘ If you brake, deactivate ESP® or if ESP® intervenes, Active Distance Assist DISTRONIC is deactivated. The variable limiter is not deactivated.

Function of Active Speed Limit Assist

If a change in the speed limit of 20 km/h or more is detected and automatic adoption of speed limits is activated, the new speed limit is automatically adopted as the stored speed (→ page 244).

The driven speed is adjusted when the vehicle is level with the traffic sign at the latest. In the case of signs indicating entry into an urban area, the speed is adapted according to the speed permitted within the urban area. The speed limit display in the Instrument Display is always updated when the vehicle is level with the traffic sign.

If there is no speed restriction on an unlimited stretch of road (e.g. on a motorway), the recommended speed is automatically adopted as the stored speed. The system uses the speed stored on an unlimited stretch of road as the recommended speed. If you do not alter the stored speed on an unlimited stretch of road, the recommended speed is 130 km/h.

If Active Distance Assist DISTRONIC has been put into passive mode by pressing the accelerator pedal, only speed limits which are higher than the set speed are adopted.

Observe the notes on driving systems and your responsibility; you may otherwise fail to recognise dangers (→ page 216).

System limits

The system limits of Traffic Sign Assist apply to the detection of traffic signs (→ page 243).

Speed limits below 20 km/h are not automatically adopted by the system as the stored speed. Temporary speed restrictions (e.g. for a certain time or due to weather conditions) cannot be properly detected by the system. The maximum permissible speed applying to a vehicle with a trailer is not detected by the system.

Adjust the speed in these situations.

⚠ **WARNING** Risk of accident due to Active Speed Limit Assist adapting the vehicle's speed

The speed adopted by Active Speed Limit Assist may be too high or incorrect in some individual cases, such as:

- at speed limits below 20 km/h
- in wet conditions or in fog
- when towing a trailer

▶ Ensure that the driven speed complies with traffic regulations.

▶ Adjust the driving speed to suit 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 negotiates a route event ahead in an economical, comfortable or dynamic manner. When the route event has been passed, the vehicle accelerates again to the stored speed. The set distance to the vehicle in

front, vehicles detected ahead and speed restrictions ahead are taken into account.

You can activate and deactivate route-based speed adaptation in the multimedia system (→ page 235).

The following route events are taken into account:

- Bends
- T-junctions, roundabouts and toll stations
- Turns and exits
- Traffic jams ahead (only with Live Traffic Information)

ⓘ When the toll station is reached, Active Distance Assist DISTRONIC adopts the speed as the stored speed.

Also, the speed is reduced if the turn signal indicator to change lanes is switched on and one of the following situations is detected:

- Turning off at junctions
- Driving on slowing-down lanes
- Driving on lanes adjacent to slowing-down lanes

The driver is responsible for choosing the right speed and observing other road users. This applies in particular to junctions, roundabouts and traffic lights, as route-based speed adaptation does not brake the vehicle to a standstill.

When route guidance is active, the first speed adjustment is carried out automatically. If the turn signal indicator is switched on, the selected route is confirmed and further speed adjustment is activated.

Speed adaptation is cancelled in the following cases:

- If the turn signal indicator is switched off before the route event.
- 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.

The speed adaptation made by the system may not always be suitable, particularly in the following situations:

- the road's course not clearly visible
- road narrowing
- varying maximum permissible speeds in individual lanes, for example at toll stations
- wet road surfaces, snow or ice
- when towing a trailer

In these situations the driver must intervene accordingly.

⚠ **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 route-based speed adaptation

Requirements:

- Active Distance Assist DISTRONIC is activated.
- ECO Assist is active.

Multimedia system:

↝ ⌂ ⏩ Settings ⏩ Assistance ⏩ Route-based speed adapt.

▶ Activate or deactivate the function. When the function is active, the vehicle speed is adjusted depending on the route events ahead.

ⓘ Further information on the route-based speed adaptation (→ page 233).

Function of Active Traffic Jam Assist

Active Traffic Jam Assist helps you when in traffic jams on multi-lane roads with separate carriageways by automatically pulling away within 60 seconds and with moderate steering manoeuvres. It orients itself using the vehicle in front and lane markings. Active Traffic Jam Assist automatically maintains a safe distance from the vehicle in front and vehicles cutting in.

Active Traffic Jam Assist requires you, as the driver, to keep your hands on the steering wheel at all times so that you are able to intervene at any time to correct the course of the vehicle and keep it in lane. Observe the notes on driving systems and your responsibility; you may otherwise fail to recognise dangers (→ page 216).

Active Traffic Jam Assist activates automatically as soon as all of the requirements are met: The status display appears in the instrument cluster when the function is active.

Requirements:

- You are in a traffic jam on a motorway or high-speed major road.
- Active Distance Assist DISTRONIC is activated and active (→ page 230).
- Active Brake Assist is available (→ page 238).
- Active Steering Assist is activated and active (→ page 237).
- Active Traffic Jam Assist is activated (→ page 235).
- You are travelling no faster than 60 km/h.

System limits

The system limitations of Active Distance Assist DISTRONIC and Active Steering Assist apply to Active Traffic Jam Assist.

Activating/deactivating Active Traffic Jam Assist

Multimedia system:

↝ ⌂ ⏩ Settings ⏩ Quick access

▶ Select .

Active Steering Assist

Function of Active Steering Assist

Active Steering Assist is only available up to a speed of 210 km/h. The system helps you to stay

in the centre of the lane by means of moderate steering interventions. Depending on the speed driven, Active Steering Assist uses the vehicles ahead and lane markings as a reference.

ⓘ Depending on the country, in the lower speed range Active Steering Assist can use the surrounding traffic as a reference. If necessary, Active Steering Assist can then also provide assistance when driving outside the centre of the lane, for example, to form a rescue lane.

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 in the Instrument Display

-  (grey): activated and passive
-  (green): activated and active
-  (red): system limits detected
-  (white, red hands): "hands on the steering wheel" prompt

ⓘ During the transition from active to passive status, the  symbol is shown as enlarged and flashing. Once the system is passive, the  symbol is shown as grey in the Instrument Display.

ⓘ 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 and be able to 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, display (1) appears. If the driver still does not steer the vehicle, a warning tone sounds in addition to the visual warning message.

If the driver does not react to the warning for a considerable period, the system can initiate an emergency stop (→ page 238).

If the driver steers, no warning is issued, or the warning is ended.

If Active Steering Assist detects that a system limit has been reached, a visual warning is issued and a warning tone sounds.

Observe the notes on driving systems and your responsibility; you may otherwise fail to recognise dangers (→ page 216).

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 may not function in the following instances:

- There is poor visibility, e.g. due to snow, rain, fog, heavy spray, greatly varying light conditions or strong shadows on the carriageway.
- There is glare, e.g. from oncoming traffic, direct sunlight or reflections.
- Insufficient road illumination.
- The windscreen is dirty, misted up, damaged or covered in the vicinity of the camera, e.g. by a sticker.
- No, or several, unclear lane markings are present for one lane, or the markings change quickly, for example, in a construction area or junctions.
- 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 thus the lane markings cannot be detected.
- The road is narrow and winding.
- There are obstacles on the lane or projecting out into the lane, such as object markers.

The system does not provide assistance in the following conditions:

- On tight bends and when turning.
- When crossing junctions.
- At roundabouts or toll stations.
- When towing a trailer.
- When the tyre 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 ▸▸ Quick access

▶ Select Act. Steer. Asst.

Function of Active Emergency Stop Assist



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, display 1 appears in the Instrument 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.

If the driver still does not respond to the warning, the Beginning emergency stop message appears in the Instrument Display. If the driver still does not respond, Active Distance Assist DISTRONIC reduces the speed. The vehicle is decelerated in stages to a standstill.

Depending on the country, at speeds below 60 km/h the hazard warning lights switch on automatically.

When the vehicle is stationary, the following actions are carried out:

- The vehicle is secured with the electric parking brake.
- Active Distance Assist DISTRONIC is ended.
- The vehicle is unlocked.
- If possible, an emergency call is placed to the Mercedes-Benz emergency call centre.

The driver can cancel the deceleration at any time by performing one of the following actions:

- Steering
- Braking or accelerating
- Deactivating Active Distance Assist DISTRONIC

Active Brake Assist

Function of Active Brake Assist

Active Brake Assist consists of the following functions:

- Distance warning function
- Autonomous braking function
- Situation-dependent braking assistance
- **Vehicles with Driving Assistance Package:** Evasive Steering Assist and cornering function

Active Brake Assist can help you to minimise the risk of a collision with vehicles, cyclists or pedestrians or to reduce the effects of such a collision.

If Active Brake Assist has detected a risk of collision, a warning tone sounds and the distance warning lamp lights up in the instrument cluster.

If you do not react to the warning, autonomous braking can be initiated in critical situations.

In especially critical situations, Active Brake Assist can initiate autonomous braking directly. In this case, the warning lamp and warning tone occur simultaneously with the braking application.

If you apply the brake yourself in a critical situation or apply the brake during autonomous braking, situation-dependent braking assistance occurs. The brake pressure increases up to maximum full-stop braking if necessary.

Observe the notes on driving systems and your responsibility; you may otherwise fail to recognise dangers (→ page 216).



If autonomous braking or situation-dependent braking assistance has occurred, display (1) appears in the Instrument Display and then automatically goes out after a short time.

⚠ **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.

Also observe the system limits of Active Brake Assist.

The individual subfunctions are available in various speed ranges:

The distance warning function can issue a warning in the following situations:

- From approximately 30 km/h, if over several seconds the distance maintained to the vehicle travelling in front is insufficient for the driven speed, the distance warning lamp lights up in the instrument cluster.
- From approximately 7 km/h, if your vehicle is critically close to a vehicle, cyclist or pedestrian, you will hear an intermittent warning tone and the distance warning lamp lights up in the instrument cluster.

Brake immediately or take evasive action, provided it is safe to do so and the traffic situation allows this.

Distance warning function (vehicles without Driving Assistance Package)

The distance warning function can aid you in the following situations with an intermittent warning tone and a warning lamp:

- at speeds up to approximately 250 km/h when approaching vehicles ahead
- at speeds up to approximately 80 km/h when approaching stationary vehicles, pedestrians walking in the direction of travel and cyclists ahead
- at speeds up to approximately 60 km/h when approaching crossing pedestrians

Distance warning function (vehicles with Driving Assistance Package)

The distance warning function can aid you in the following situations with an intermittent warning tone and a warning lamp:

- at speeds up to approximately 250 km/h when approaching vehicles ahead
- at speeds up to approximately 100 km/h when approaching stationary vehicles
- at speeds up to approximately 80 km/h when approaching moving pedestrians and cyclists ahead
- at speeds up to approximately 70 km/h when approaching stationary pedestrians, crossing vehicles and stationary and crossing cyclists

Autonomous braking function (vehicles without Driving Assistance Package)

If the vehicle is travelling at speeds above approximately 7 km/h, the autonomous braking function may intervene in the following situations:

- at speeds up to approximately 200 km/h when approaching vehicles ahead
- at speeds up to approximately 80 km/h when approaching cyclists ahead
- at speeds up to approximately 60 km/h when approaching stationary vehicles or moving pedestrians

Autonomous braking function (vehicles with Driving Assistance Package)

If the vehicle is travelling at speeds above approximately 7 km/h, the autonomous braking function may intervene in the following situations:

- at speeds up to approximately 250 km/h when approaching vehicles ahead
- at speeds up to approximately 100 km/h when approaching stationary vehicles
- at speeds up to approximately 80 km/h when approaching cyclists ahead
- at speeds up to approximately 70 km/h when approaching stationary and moving pedestrians, crossing vehicles and stationary and crossing cyclists

Situation-dependent braking assistance (vehicles without Driving Assistance Package)

The situation-dependent braking assistance can intervene from a speed of approximately 7 km/h in the following situations:

- at speeds up to approximately 250 km/h when approaching vehicles ahead

- at speeds up to approximately 80 km/h when approaching stationary vehicles and vehicles ahead
- at speeds up to approximately 60 km/h when approaching moving pedestrians

Situation-dependent braking assistance (vehicles with Driving Assistance Package)

The situation-dependent braking assistance can intervene from a speed of approximately 7 km/h in the following situations:

- at speeds up to approximately 250 km/h when approaching vehicles ahead
- at speeds up to approximately 100 km/h when approaching stationary vehicles
- at speeds up to approximately 80 km/h when approaching cyclists ahead
- at speeds up to approximately 60 km/h when approaching stationary and moving pedestrians, crossing vehicles, and stationary and crossing cyclists

Cancelling a brake application of Active Brake Assist

You can cancel a brake application of Active Brake Assist at any time by:

- sharply depressing the accelerator pedal or with kickdown
- releasing the brake pedal

Active Brake Assist may cancel the brake application when one of the following conditions is fulfilled:

- you manoeuvre to avoid the obstacle
- there is no longer a risk of collision
- an obstacle is no longer detected in front of your vehicle

Evasive Steering Assist (only vehicles with Driving Assistance Package)

Evasive Steering Assist has the following characteristics:

- The ability to detect stationary or moving pedestrians.
- Assistance through power-assisted steering if it detects a swerving manoeuvre.
- Activation by an abrupt steering movement during a swerving manoeuvre.
- Assistance during swerving and straightening of the vehicle.
- Reaction from a speed of approximately 20 km/h up to a speed of approximately 70 km/h.

You can prevent the assistance at any time by actively steering.

Cornering function (only vehicles with Driving Assistance Package)

If the system detects a risk of a collision with an oncoming vehicle when turning across an oncoming lane, autonomous braking can be initiated at speeds below 15 km/h before you have left the lane in which you are driving.

⚠ **WARNING** Risk of accident despite Evasive Steering Assist

Evasive Steering Assist cannot always recognise 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.

System limits

Full system performance is not yet available for a few seconds after switching on the vehicle or after driving off.

If Active Brake Assist is impaired or inoperative due to a malfunction, the warning lamp appears in the Instrument Display.

The system may be impaired or may not function, particularly in the following situations:

- In snow, rain, fog, heavy spray, if there is glare, in direct sunlight or in greatly varying light conditions.
- If the sensors are dirty, misted up, damaged or covered.
- If the sensors are impaired due to interference from other radar sources, e.g. strong radar reflections in multi-storey car parks.
- If a loss of tyre pressure or a defective tyre has been detected and displayed.
- In complex traffic situations where objects cannot always be clearly identified.
- If pedestrians or vehicles move quickly into the sensor detection range.
- If pedestrians are hidden by other objects.
- If the typical outline of a pedestrian cannot be distinguished from the background.
- If a pedestrian is not detected as such, e.g. due to special clothing or other objects.
- If the driver's seat belt is not fastened.
- On bends with a tight radius.

ⓘ The Active Brake Assist sensors adjust automatically while a certain distance is being driven after the vehicle has been delivered. Active Brake Assist is unavailable or only partially available during the teach-in process.

Activating/deactivating Active Brake Assist

Requirements:

- The vehicle is switched on.

Multimedia system:

→ ⌂ ▸▸ Settings ▸▸ Assistance ▸▸ Active Brake Assist

- ▶ Select the desired setting.

The setting is retained when the drive system is next started.

Deactivating Active Brake Assist

ⓘ It is recommended that you always leave Active Brake Assist activated.

▶ Select Off.
The distance warning function, the autonomous braking function and Evasive Steering Assist are deactivated.
When the vehicle is next started, the middle setting is automatically selected.

ⓘ If Active Brake Assist is deactivated, the OFF symbol appears in the status bar of the Instrument Display.

Traffic Sign Assist

Function of Traffic Sign Assist

Traffic Sign Assist detects traffic signs with the multifunction camera (→ page 216). It assists you by displaying detected speed limits and overtaking restrictions in the Instrument Display.

Observe the notes on driving systems and your responsibility; you may otherwise fail to recognise dangers (→ page 216).

Since Traffic Sign Assist also uses the data stored in the navigation system, it can update the display in the following situations without detecting traffic signs.

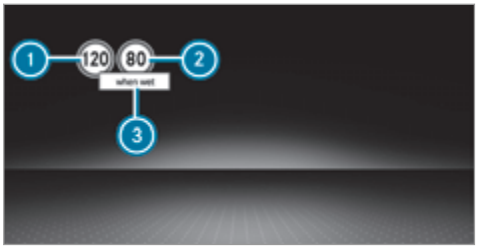
If the system detects that you are driving onto a section of road in the wrong direction of travel, it triggers a warning.

The camera also detects traffic signs with a restriction indicated by an additional sign (e.g. when wet). These are only displayed if a restriction applies or if the system cannot clearly determine whether the restriction applies.

Warning when the maximum permissible speed is exceeded

The system can warn you if you unintentionally exceed the maximum permissible speed. To do this, you can specify in the multimedia system by how much the maximum permissible speed can be exceeded before a warning is issued. You can specify whether the warning is to be just a visual warning or an acoustic one as well.

Display in the Instrument Display



Instrument Display in the Widescreen Cockpit

1. Maximum permissible speed
2. Maximum permissible speed when there is a restriction
3. Additional sign with restriction

ⓘ **Vehicles with a standard Instrument Display:** a + symbol next to a traffic sign in the Instrument Display indicates that additional traffic signs have been detected. These can also be displayed in the media display and optionally in the head-up display.

If Traffic Sign Assist cannot determine the maximum permissible speed (e.g. due to missing signs), the following display appears in the Instrument Display:



This is displayed continuously if the vehicle is in a country where Traffic Sign Assist is not supported. Traffic Sign Assist is not available in all countries.

ⓘ Also observe the information on display messages in Traffic Sign Assist (→ page 433).

Warning when approaching pedestrian crossings (vehicles with Driving Assistance Package)

The system can warn you if you approach a pedestrian crossing with your vehicle. The Watch for pedestrians message appears in the instrument cluster.

The warning occurs only if appropriate traffic signs or lane markings are detected and pedestrians are present in the danger zone.

System limits

The system may be impaired or may not function particularly in the following situations:

- If there is poor visibility, e.g. due to insufficient illumination of the road, highly variable shade conditions, rain, snow, fog or heavy spray.
- If there is glare, e.g. from oncoming traffic, direct sunlight or reflections.
- If the windscreen in the area of the multifunction camera is dirty, or if the camera is misted up, damaged or covered.
- If the traffic signs are hard to detect, e.g. due to dirt, snow or insufficient lighting, or because they are covered.
- If the information in the navigation system's digital map is incorrect or out-of-date.
- If signs are ambiguous, e.g. road signs in roadworks or in adjacent lanes.
- If you turn sharply when passing traffic signs outside the camera's field of vision.

Setting Traffic Sign Assist

Requirements:

- **Only vehicles with Driving Assistance Package:**
  Active Distance Assist DISTRONIC and ECO Assist must be activated for the automatic adoption of speed limits.

Multimedia system:

→ ⌂ ▸▸ Settings ▸▸ Assistance ▸▸ Traffic Sign Assist

Activating or deactivating automatic adoption of speed limits (only vehicles with Driving Assistance Package)

▶ Select Adopt limit.

▶ Switch the function on or off.
The speed limits detected by Traffic Sign Assist are automatically adopted by Active Distance Assist DISTRONIC.

ⓘ If one of the following systems is activated, the detected speed can be manually adopted as the speed limit:

- Active Distance Assist DISTRONIC
- Cruise control

- Variable limiter

Further information about Active Distance Assist DISTRONIC: (⟶ page 230).

Displaying detected traffic signs in the media display

- ▶ Select Display in head unit.
- ▶ Switch the function on or off.

Setting the type of warning

- ▶ Select Visual & audible, Visual or Off.

Setting the warning threshold

This value determines the speed at which a warning is issued when exceeded.

- ▶ Select Warning threshold.
- ▶ Set the desired speed.

Blind Spot Assist and Active Blind Spot Assist with exit warning

Function of Blind Spot Assist and Active Blind Spot Assist with exit warning

Blind Spot Assist and Active Blind Spot Assist use two lateral, rear-facing radar sensors to monitor the area up to 40 m behind and 3 m next to your vehicle.

If a vehicle is detected at speeds above approximately 12 km/h and this vehicle subsequently enters the monitoring range directly next to your vehicle, the warning lamp in the outside mirror lights up red.

Permanent status display in the instrument cluster:

- (grey): system is activated but inoperative
- (green): system is activated and operational

If a vehicle is detected close to your vehicle and you switch on the turn signal indicator in the corresponding direction, a double warning tone sounds and the red warning lamp in the outside mirror flashes. If the turn signal indicator remains switched on, all other detected vehicles are indicated only by the flashing of the red warning lamp.

If you overtake a vehicle quickly, no warning is given.

⚠ 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.

Observe the notes on driving systems and your responsibility; you may otherwise fail to recognise dangers (⟶ page 216).

Exit warning

The exit warning is an additional function of Blind Spot Assist and can warn vehicle occupants about approaching vehicles when leaving the vehicle when stationary.

WARNING Risk of accident despite exit warning

The exit warning neither reacts to stationary objects nor to persons or road users approaching you at a greatly differing speed.

The exit warning cannot warn drivers in these situations.

- Always pay particular attention to the traffic situation when opening the doors and make sure there is sufficient clearance.

If there is a vehicle in the monitoring range, this is indicated in the outside mirror. If a vehicle occupant opens the door on the side with the warning, a warning tone sounds and the warning lamp in the outside mirror starts to flash.

This additional function is only available when Blind Spot Assist is active. When the exit warning is activated, it can warn vehicle occupants for up to three minutes after switching the vehicle off. The exit warning is no longer available once the warning lamp in the outside mirror flashes three times.

The exit warning is only an aid and not a substitute for the attention of vehicle occupants. The responsibility for opening 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. due to fog, heavy rain or snow
- if there are narrow vehicles, e.g. bicycles or motorbikes
- if the road has very wide or narrow lanes
- if vehicles are not driving in the middle of their lane

Warnings may be issued in error when driving close to crash barriers or similar continuous lane borders. Always make sure that there is sufficient distance to the side for other traffic or obstacles.

Warnings may be interrupted when driving alongside long vehicles, for example lorries, for a prolonged time.

Blind Spot Assist is not operational when reverse gear is engaged.

Blind Spot Assist and the exit warning are not operational when a trailer is coupled to the vehicle and the electrical connection has been correctly established.

The exit warning may be limited in the following situations:

- when the sensors are covered by adjacent vehicles in narrow parking spaces
- when people approach the vehicle
- in the event of stationary or slowly moving objects

Function of brake application (Active Blind Spot Assist)

If Active Blind Spot Assist detects a risk of a side impact in the monitoring range, a course-correcting brake application is carried out. This is designed to help you avoid a collision.

The course-correcting brake application is available in the speed range between approximately 30 km/h and 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, display 1 indicating the danger of a side collision appears in the Instrument 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 recognise the dangers (→ page 245).

Either a course-correcting brake application appropriate to the driving situation, or none at all, may occur in the following situations:

- Vehicles or obstacles, e.g. crash barriers, are located on both sides of your vehicle.
- A vehicle approaches too closely on the side.
- You have adopted a sporty driving style with high cornering speeds.
- You brake or accelerate significantly.
- A driving safety system intervenes, e.g. ESP®.
- ESP® is deactivated.
- A loss of tyre pressure or a defective tyre is detected.
- You are driving with a trailer and the electrical connection to the trailer hitch has been correctly established.

Activating/deactivating Blind Spot Assist or Active Blind Spot Assist

Multimedia system:

→ ⌂ » Settings » Assistance

- Activate or deactivate Blind Spot Assist.

or

- Activate or deactivate Act. 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 by means of the multifunction camera (→ page 216). It serves to protect you against unintentionally leaving your lane. You will

be warned by vibration pulses in the steering wheel and guided by a course-correcting brake application back into your lane.

Active Lane Keeping Assist is available in the speed range between 60 km/h and 200 km/h.

Active Lane Keeping Assist can neither reduce the risk of an accident if you fail to adapt your driving style nor override the laws of physics. It cannot take into account road, weather or traffic conditions. Active Lane Keeping Assist is only an aid. You are responsible for maintaining a safe distance to the vehicle in front, for vehicle speed, for braking in good time and for staying in lane.

The status of Active Lane Keeping Assist is displayed in the on-board computer:

- (green): Active Lane Keeping Assist is active and operating.
- (grey): Active Lane Keeping Assist is active but not operating.
- : Active Lane Keeping Assist is deactivated or there is a malfunction.



If a lane-correcting brake application occurs, display 1 appears in the Instrument Display.

The system does not apply the brake if you activate the turn signal indicator.

Vehicles with Driving Assistance Package: if the system detects an obstacle, such as another vehicle in the adjacent lane, it will apply the brake regardless of the turn signal indicator.

You are warned by vibrations in the steering wheel in the following circumstances:

- Active Lane Keeping Assist detects a lane marking.
- A front wheel drives over this lane marking.

Conditions for a course-correcting brake application (vehicles without Driving Assistance Package)

Depending on the setting, a course-correcting brake application occurs in the following situations (→ page 250).

ⓘ The availability of this setting is dependent on the country. If the function is activated in countries in which this setting is **not** available, a lane-correcting brake application is initiated in the following situations:
Lane markings were detected on both sides of the lane. The front wheel drives over a continuous lane marking.

Standard setting

- Lane markings were detected on both sides of the lane. The front wheel drives over a continuous lane marking.
- A lane marking and the edge of a firm road surface were detected. The front wheel drives over a lane marking on the edge of the firm road surface.
- A lane marking and an oncoming vehicle were detected. The front wheel drives over the lane marking.

Sensitive setting

- All situations described under the Standard setting.
- A continuous lane marking was detected and driven over with the front wheel.

ⓘ A brake application may be interrupted at any time if you steer slightly in the opposite direction.

Conditions for a course-correcting brake application (vehicles with Driving Assistance Package)

Depending on the setting, a course-correcting brake application occurs in the following situations (⟶ page 250).

ⓘ The availability of this setting is dependent on the country. If the function is activated in countries in which this setting is **not** available, a lane-correcting brake application is initiated in all situations described under Sensitive.

Standard setting

- A lane marking and an approaching vehicle, an overtaking vehicle or vehicles driving parallel to your vehicle were detected in the adjacent lane. The front wheel drives over the lane marking.

Sensitive setting

- The situations described under the Standard setting.
- A continuous lane marking was detected and driven over with the front wheel.

ⓘ A brake application may be interrupted at any time if you steer slightly in the opposite direction.

System limits

No lane-correcting brake application occurs in the following situations:

- You clearly and actively steer, brake or accelerate.
- If a driving safety system intervenes, such as ESP®, Active Brake Assist or Active Blind Spot Assist.
- You have adopted a sporty driving style with high cornering speeds or high rates of acceleration.
- When ESP® is deactivated.
- When driving with a trailer, the electrical connection to the trailer has been correctly established.
- If a loss of tyre pressure or a defective tyre is detected and displayed.

If you deactivate the Active Lane Keeping Assist warning and the lane markings cannot be clearly detected, it is possible that no lane-correcting brake application takes place (⟶ page 250).

The system may be impaired or may not function particularly in the following situations:

- If there is poor visibility, e.g. due to insufficient illumination of the road, highly variable shade conditions, rain, snow, fog or heavy spray.
- If there is glare, e.g. from oncoming traffic, the sun or reflections.
- If the windscreen in the area of the multifunction camera is dirty, or if the camera is misted up, damaged or covered.
- If there are no lane markings, or several unclear lane markings are present for one lane, e.g. around roadworks.

- If the lane markings are worn, dark or covered.
- If the distance to the vehicle in front is too short and thus the lane markings cannot be detected.
- If the lane markings change quickly, e.g. lanes branch off, cross one another or merge.
- If the carriageway is very narrow and winding.
- **Vehicles with Driving Assistance Package:** if the radar sensors in the rear bumper are dirty or covered in snow and an obstacle is detected in your lane, no lane-correcting brake application takes place.

Activating/deactivating Active Lane Keeping Assist

Multimedia system:

→ ⌂ ▸▸ Settings ▸▸ Quick access ▸▸ Active Lane Keeping Assist

▶ Activate or deactivate the function.

Setting Active Lane Keeping Assist

Multimedia system:

→ ⌂ ▸▸ Settings ▸▸ Assistance ▸▸ Active Lane Keeping Assist

Setting the sensitivity

ⓘ The availability of this function is dependent on the country.

▶ Select Standard, Sensitive or Off.

Activating or deactivating the haptic warning

▶ Select Warning.
Activate or deactivate the function.

DYNAMIC BODY CONTROL function

DYNAMIC BODY CONTROL continuously adjusts the characteristics of the suspension dampers to the current operating and driving conditions.

The damping is tuned individually for each wheel and is affected by the following factors:

- The road surface conditions
- Vehicle load
- The drive program selected
- The driving style

The drive program can be adjusted using the DYNAMIC SELECT switch.

AIR BODY CONTROL

AIR BODY CONTROL function

NOTE Mercedes-AMG vehicles

▶ Observe the notes in the Supplement. You could otherwise fail to recognise dangers.

AIR BODY CONTROL 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 to reduce fuel consumption. You also have the option of manually adjusting the vehicle level.

AIR BODY CONTROL includes the following components and functions:

- air suspension with variable spring rate
- automatic level control system
- speed-dependent lowering to reduce fuel consumption
- manually selectable high-level setting for greater ground clearance
- ADS PLUS (Adaptive Damping System with constant damping force adjustment)
- DYNAMIC SELECT switch and level button

Suspension setting and vehicle level per drive program

Drive program [C]:

- The suspension setting is comfortable.
- The vehicle is set to the normal level.
- When driving at speeds of approximately 125 km/h or above, the vehicle is lowered.
- When driving at speeds below approximately 80 km/h, the vehicle is raised again.

Drive program [E]:

- The suspension setting is comfortable.
- The vehicle is set to low level -1.
- The vehicle is not lowered any further if you are travelling at higher speeds.

Drive program [S]:

- The suspension setting is firmer.
- The vehicle is set to low level -1.
- The vehicle is not lowered any further if you are travelling at higher speeds.

Drive program [S+]:

- The suspension setting is even firmer.
- The vehicle is set to low level -1.
- The vehicle is not lowered any further if you are travelling at higher speeds.

Individual suspension settings can be called up in drive program [I*] (→ page 185).

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 entrapment from vehicle lowering

When lowering the vehicle, other people could become trapped if their limbs are between the vehicle body and the tyres or underneath the vehicle.

- Make sure no one is underneath the vehicle or in the immediate vicinity of the wheel arches when the vehicle is being lowered.

WARNING Risk of becoming trapped due to the vehicle lowering

Vehicles with AIR BODY CONTROL or level control system: 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 kerbs underneath or in the immediate vicinity of the body when the vehicle is being lowered.

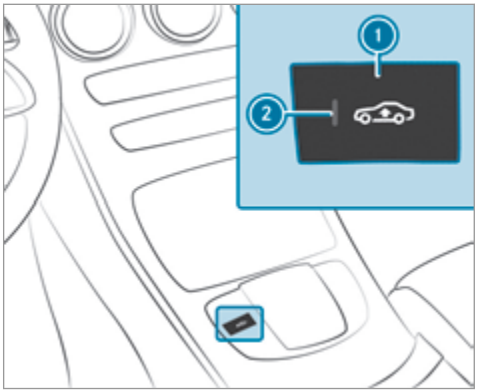
NOTE Mercedes-AMG vehicles

- Observe the notes in the Supplement. You could otherwise fail to recognise dangers.

Requirements:

- The vehicle has been started.
- The vehicle must not be moving faster than 60 km/h.

Raising the vehicle



- Press button 1.
  Indicator lamp 2 lights up.
  The vehicle is set to the high level.
  Your selection is saved.

The vehicle is automatically lowered again in the following situations:

- When driving faster than 80 km/h.

- When driving between 60 km/h and 80 km/h for approximately three minutes.
- After changing a drive program using the DYNAMIC SELECT switch.

The vehicle is adjusted to the height of the last active drive program.

Lowering the vehicle

▶ Press button (1).
Indicator lamp (2) goes out. The vehicle is adjusted to the height of the active drive program.

Operation with a trailer or bicycle rack

If the electrical connection to the transport equipment, such as a trailer or a bicycle rack, is established correctly:

- Up to approximately 30 km/h: the high level can be selected regardless of the drive program.
- From approx. 30 km/h: the vehicle is adjusted to normal level, regardless of drive program.

Reversing camera

Function of the reversing camera

If you have activated the function in the multimedia system (→ page 260), the image from the reversing camera is displayed in the media display when reverse gear is selected. Dynamic guide lines show the path the vehicle will take with the current steering angle. This helps you to orient yourself and to avoid obstacles when reversing.

The reversing camera is only an aid. It is not a substitute for your attention to the surroundings. The responsibility for safe manoeuvring and parking remains with you. Make sure that there are no persons, animals or objects etc., in the manoeuvring area while manoeuvring and parking.

The guide lines in the media display show the distances to your vehicle. The distances displayed only apply to road level.

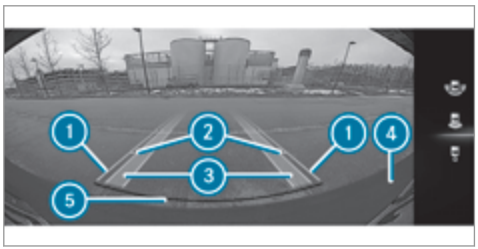
Depending on the vehicle equipment, you can select from the following views:

- Normal view
- Wide-angle view
- Trailer view

The area behind the vehicle is displayed as a mirror image, as in the inside rearview mirror.

Vehicles without Parking Assist PARKTRONIC

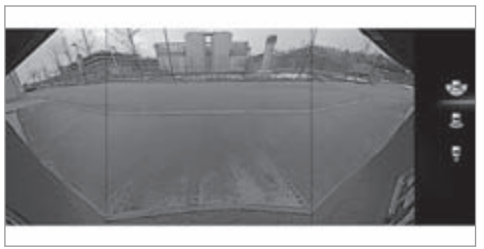
The following camera views are available in the multimedia system:



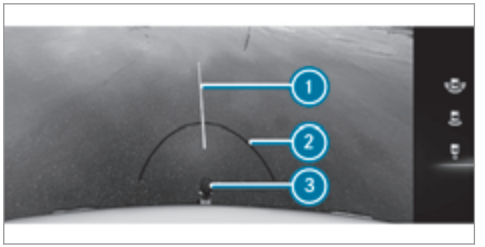
Normal view

(1) Driven surface depending on the current steering angle (dynamic)
(2) Guide lines at a distance of approximately 0.5 m, 1.0 m, 1.5 m and 3.0 m from the rear area
(3) Lane marking the course the tyres will take with the current steering angle (dynamic)

④ Bumper
⑤ Guide line at a distance of approximately 0.3 m from the rear area

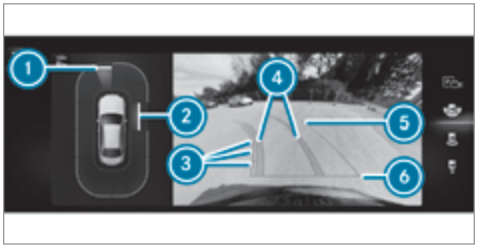


Wide-angle view



Trailer view (vehicles with a trailer hitch)
① Locating aid
② Guide line at a distance of approximately 0.3 m from the ball head of the trailer hitch
③ Ball head of the trailer hitch

Vehicles with Parking Assist PARKTRONIC
The following camera views are available in the multimedia system:



Normal view
① Yellow warning display: obstacles at a distance between approximately 0.7 m and 1.0 m
② Orange warning display: obstacles at a distance between approximately 0.4 m and 0.7 m
③ Guide lines at a distance of approximately 0.5 m, 1.0 m, 1.5 m and 3.0 m from the rear area
④ Yellow lanes marking the course the tyres will take with the current steering angle (dynamic)

⑤ Driven surface depending on the current steering angle (dynamic)
⑥ Guide line at a distance of approximately 0.3 m from the rear area

The colour of warning display ① / ② changes dynamically and is based on the distance to the detected obstacle:

- **Blue:** no obstacles detected at a distance less than 1.0 m
- **Yellow:** obstacles at a distance between approximately 0.7 m and 1.0 m
- **Orange:** obstacles at a distance between approximately 0.4 m and 0.7 m
- **Red:** obstacles at a very short distance of approximately 0.4 m or less

ⓘ **Vehicles with Active Parking Assist:** when Active Parking Assist is active, lane markings ④ are displayed in green.



Wide-angle view
① Display of Parking Assist PARKTRONIC



Trailer view (vehicles with a trailer hitch)
① Yellow guide line, locating aid
② Red guide line at a distance of approximately 0.3 m from the ball head of the trailer hitch
③ Ball head of the trailer hitch

System malfunction

If the reversing camera is not operational, the System inoperative message appears in the media display.

System limits

The reversing camera will not function or will only partially function in the following situations:

- The boot lid is open.
- The weather conditions are poor, e.g. heavy rain, snow, fog, storm or spray.
- The light conditions are poor, e.g. at night.
- Cameras, or vehicle components in which the cameras are fitted, are damaged, dirty or covered. Observe the information on vehicle sensors and cameras (→ page 216).

ⓘ Do not use the reversing camera in these types of situations. You could otherwise injure others or collide with objects when parking the vehicle.

ⓘ The contrast of the display may be impaired by direct sunlight or by other light sources, e.g. when driving out of a garage. In this case, pay particular attention.

ⓘ Have the display repaired or replaced if, for example, pixel errors considerably restrict its use.

360° Camera

Function of the 360° Camera

The 360° Camera is a system that consists of four cameras which cover the immediate surroundings of the vehicle. The system assists you when you are parking or at exits with reduced visibility, for example.

The views of the 360° Camera are always available when driving forwards up to a speed of approx. 16 km/h and when reversing.

The 360° Camera is only an aid and may show a distorted view of obstacles, show them incorrectly or not show them at all. It is not a substitute for your attention to the surroundings. The responsibility for safe manoeuvring and parking remains with you. Make sure that there are no persons, animals or objects etc., in the manoeuvring area while manoeuvring and parking.

The system evaluates images from the following cameras:

- Reversing camera
- Front camera
- Two side cameras in the outside mirrors

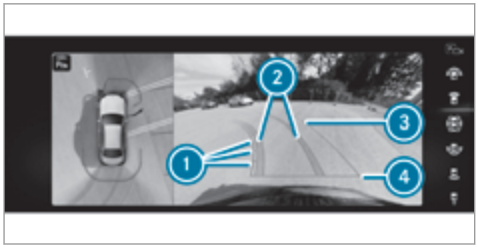
Views of the 360° Camera



1. Wide-angle view, front
2. Top view with image from the front camera
3. Top view with images from the side cameras in the outside mirrors
4. Wide-angle view, rear
5. Top view with image from the reversing camera
6. Top view with trailer view (vehicles with a trailer hitch)

Function of the guide lines

Guide lines are also displayed in the camera images of the top views. These are based on the current steering angle and show the distance to objects and other vehicles.



(1) Guide lines at a distance of approximately 0.5 m, 1.0 m, 1.5 m and 3.0 m from the rear area
(2) Yellow lanes marking the course the tyres will take with the current steering angle (dynamic)
(3) Driven surface depending on the current steering angle (dynamic)
(4) Guide line at a distance of approximately 0.3 m from the rear area

ⓘ When Active Parking Assist is active, paths (2) are displayed in green.
The guide lines show the distances to your vehicle. The distances apply to road level.

In trailer mode, the guide lines are shown at the level of the trailer hitch.

In all views, the Parking Assist PARKTRONIC warning display is also shown (→ page 260).

The colour of warning display changes dynamically and is based on the distance to the detected obstacle:

- **Blue:** no obstacles detected at a distance less than 1.0 m
- **Yellow:** obstacles at a distance between approximately 0.7 m and 1.0 m
- **Orange:** obstacles at a distance between approximately 0.4 m and 0.7 m
- **Red:** obstacles at a very short distance of approximately 0.4 m or less

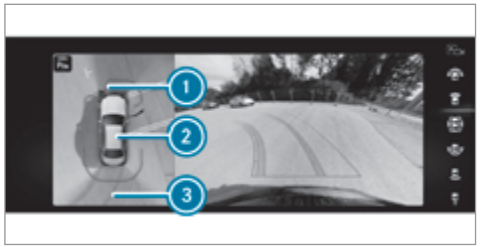
ⓘ When Parking Assist PARKTRONIC is operational and no object is detected, the warning display is shown here in blue.

Wide-angle view, front



(1) Warning display of Parking Assist PARKTRONIC

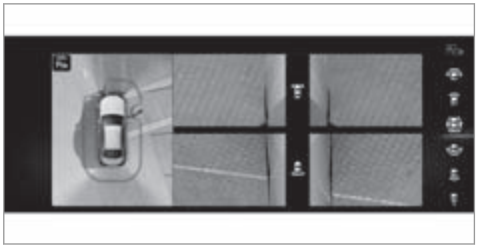
Top view with image from the front camera



1. Warning display of Parking Assist PARKTRONIC (→ page 260, 270)
2. Your vehicle from above
3. Lane indicating the route the vehicle will take at the current steering angle

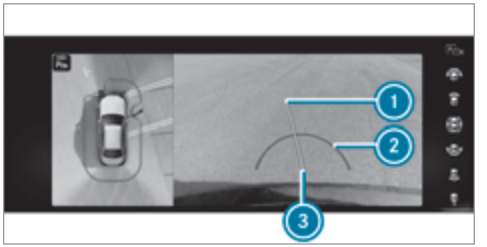
Top view with images from the side cameras in the outside mirrors

The front and rear sides of the vehicle can be seen in this view.



Top view trailer view – no trailer connected

If you select trailer view and no trailer is coupled to the vehicle, the following display appears:



1. Locating aid
2. Guide line at a distance of approximately 0.3 m from the ball head of the trailer hitch
3. Ball head of the trailer hitch

Top view trailer view – trailer connected

When the electrical connection is established between the vehicle and the trailer, the display changes to the side camera view.

This view supports manoeuvring procedures with a trailer.



System limits

If the system is not ready for operation, the System inoperative message appears in the media display.

The 360° Camera will not function or will only partially function in the following situations:

- You are driving forwards at a speed greater than approximately 16 km/h.
- The doors are open.
- An outside mirror is not completely folded out.
- The boot lid is open.
- The weather conditions are poor, e.g. heavy rain, snow, fog, storm or spray.
- The light conditions are poor, e.g. at night.
- The camera lens is obstructed, dirty or misted up.
- If cameras or vehicle components in which the cameras are fitted are damaged. In this event, have the cameras, their positions and their setting checked at a qualified specialist workshop.

ⓘ Do not use the 360° Camera under such circumstances. You could otherwise injure others or collide with objects when parking the vehicle.

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 the generated images.

The field of vision and other functions of the camera system may be restricted due to additional attachments on the vehicle (e.g. licence plate bracket, bicycle rack).

ⓘ The contrast of the display may be impaired by abrupt, direct sunlight or by other light sources, e.g. when driving out of a garage. In this case, pay particular attention.

ⓘ Have the display repaired or replaced if, for example, pixel errors considerably restrict its use.

See the notes on cleaning the 360° Camera (→ page 370).

Calling up the view of the 360° Camera using reverse gear

Requirements:

- The Auto reversing camera function is activated in the multimedia system (→ page 260).

▶ Engage reverse gear.

▶ Select the desired view in the multimedia system (→ page 256).

▶ If, after shifting to reverse gear, the image of the reversing camera is not shown: switch off the vehicle, press and hold the button, switch on the vehicle and engage reverse gear again.

Switching reversing camera automatic mode on/off

The reversing camera is only an aid. It is not a substitute for your attention to the surroundings. The responsibility for safe manoeuvring and parking remains with you. Make sure that no persons, animals or objects etc. are in the manoeuvring range. Pay attention to your surroundings and be ready to brake at all times.

Multimedia system:

↳ ⌂ ▸▸ Settings ▸▸ Assistance ▸▸ Camera & parking

▶ Switch Auto reversing camera on or off.

Parking Assist PARKTRONIC

Function of Parking Assist PARKTRONIC

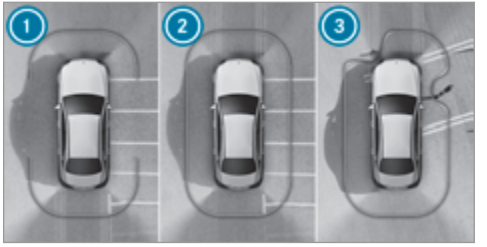
Parking Assist PARKTRONIC is an electronic parking assistance system which monitors the area surrounding your vehicle and shows you the distance between the vehicle and a detected obstacle visually and audibly.

Parking Assist PARKTRONIC is only an aid. It is not a substitute for your attention to the surroundings. The responsibility for safe manoeuvring and parking remains with you. Make sure that there are no persons, animals or objects in the manoeuvring area while manoeuvring and parking in/exiting parking spaces.

The passive side impact protection also warns you of obstacles to the side. During the parking procedure or manoeuvring, objects are detected as the vehicle drives past. If you steer in the direction of a detected obstacle and there is a risk of a lateral collision, a warning is issued. In order for an object on the side to be detected, the sensors in the front and rear bumper must first detect the object while you are driving past it.

In order for front or rear obstacles to the side to be displayed, the vehicle must first travel a distance of at least half a vehicle length. Once the vehicle has travelled one vehicle length, obstacles on all sides can be shown.

Displays in the media display



Vehicles with 360° Camera



Vehicles without 360° Camera

As soon as Parking Assist PARKTRONIC is operational, the respective areas of the display are shown in blue.

1. Operational, front and rear
2. Operational, all around
3. Obstacles detected at the front left and on the right-hand side

The colour of the display changes depending on the distance to the detected obstacle:

- **Blue:** > 1 m (no obstacles detected)
- **Yellow:** approximately 1 m - 0.7 m
- **Orange:** approximately 0.7 m - 0.4 m
- **Red:** < 0.4 m

Vehicles with 360° Camera: the boundary line shifts dynamically depending on the position and distance of the obstacles detected.

Depending on the distance to the obstacle detected, an intermittent warning tone also sounds. You can set the timing of the warnings in the multimedia system (⟶ page 264).

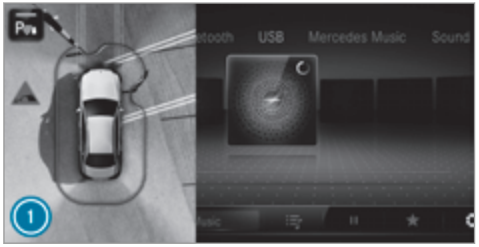
Standard setting:

- **Front and sides:** < 0.4 m
- **Rear: <** 1 m

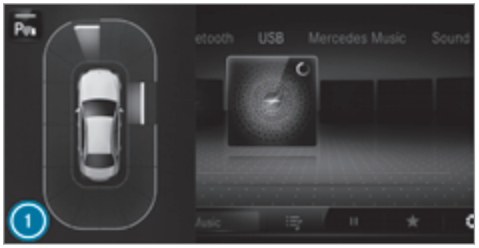
Warn early all-round:

- **Front:** < 1 m
- **Sides:** < 0.7 m
- **Rear: <** 1 m

A continuous warning tone sounds from a distance of approximately 0.2 m, regardless of the selected setting.



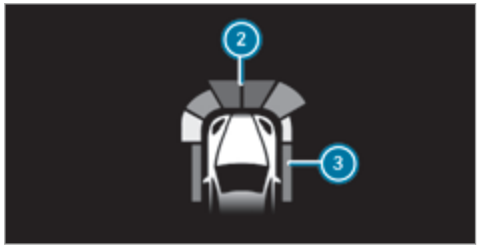
Vehicles with 360° Camera



Vehicles without 360° Camera

If an obstacle in the vehicle path is detected and the Camera & parking menu is not open in the media display, pop-up window 1 appears:

- **vehicles without Active Parking Assist:** at speeds below 12 km/h
- **vehicles with Active Parking Assist:** at speeds below 18 km/h



Optionally, obstacles detected by Parking Assist PARKTRONIC from a distance of approximately 1.0 m in front (2) and 0.7 m on the side (3) can also be displayed in the head-up display.

System limits

Parking Assist PARKTRONIC does not necessarily take into account the following obstacles:

- Obstacles below the detection range, e.g. persons, animals or objects.
- Obstacles above the detection range, e.g. overhanging loads, overhangs or loading ramps of lorries.
- Pedestrians or animals approaching the vehicle from the side.
- Objects placed next to the vehicle.

Obstacles on the sides are not shown in the following situations, for example:

- You park the vehicle and switch it off.
- You open the doors.

After an engine start, obstacles must be detected again by driving past them before a warning can be issued.

Observe the information on vehicle sensors and cameras; the system otherwise cannot function properly (→ page 216).

Vehicles with trailer hitch: Parking Assist PARKTRONIC is deactivated for the rear zone when you establish an electrical connection between your vehicle and a trailer.

Problems with Parking Assist PARKTRONIC



(1) Vehicles with 360° Camera
(2) Vehicles without 360° Camera

If the Parking Assist PARKTRONIC display lights up red for approximately three seconds then goes out, and the P OFF symbol appears in the instrument cluster, the system may have been deactivated due to signal interference. Start the vehicle again and check if Parking Assist PARKTRONIC is working at a different location.

If the [P OFF] symbol appears in the instrument cluster and a warning tone sounds, it may be due to one of the following causes:

- **The sensors are dirty:** clean the sensors and observe the notes on care of vehicle parts (⟶ page 370).
- **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** Risk of an accident from objects at close range

Parking Assist PARKTRONIC may not detect certain objects at close range.

▶ When parking or manoeuvring the vehicle, pay particular attention to any objects which are above or below the sensors, e.g. flowerpots or drawbars. The vehicle or other objects could otherwise be damaged.

▶ **Vehicles without AIR BODY CONTROL:** press the [P OFF] button in the centre console.

ⓘ **Vehicles with AIR BODY CONTROL:** you can activate or deactivate Parking Assist PARKTRONIC in the multimedia system (⟶ page 263).

If the indicator lamp in the [P OFF] button is not lit, Parking Assist PARKTRONIC is active. If the indicator lamp is lit or the [P OFF] symbol appears in the Instrument Display, Parking Assist PARKTRONIC is not active.

ⓘ Parking Assist PARKTRONIC is automatically activated when the vehicle is started.

Activating/deactivating Parking Assist PARKTRONIC using the multimedia system

! **NOTE** Risk of an accident from objects at close range

Parking Assist PARKTRONIC may not detect certain objects at close range.

▶ When parking or manoeuvring the vehicle, pay particular attention to any objects which are above or below the sensors, e.g. flowerpots or drawbars. The vehicle or other objects could otherwise be damaged.

Requirements:

- The camera menu is open.
- Or: Active Parking Assist is active.
- Or: the PARKTRONIC pop-up window appears.

▶ Tap [P] on the media display.

If the indicator lamp is lit, Parking Assist PARKTRONIC is active. If the indicator lamp is not lit or the [P OFF] symbol appears in the instrument cluster, Parking Assist PARKTRONIC is not active.

ⓘ Parking Assist PARKTRONIC is automatically activated when the vehicle is started.

Alternatively, Parking Assist PARKTRONIC can be activated or deactivated in the quick access menu.

Setting the warning tones of Parking Assist PARKTRONIC

Multimedia system:

→ ⌂ ▸▸ Settings ▸▸ Assistance ▸▸ Camera & parking

Adjusting the volume of the warning tones

- Select Warning tone volume.
- Set a value.

Adjusting the pitch of the warning tones

- Select Warning tone pitch.
- Set a value.

Specifying the starting point for the warning tones

You can specify whether the Parking Assist PARKTRONIC warning tones should commence when the vehicle is further away from an obstacle.

- Select Warn early all-round.
- Switch the function on or off.

Activating/deactivating audio fadeout

You can specify whether the volume of a media source in the multimedia system is to be reduced when Parking Assist PARKTRONIC sounds a warning tone.

- Select Audio fadeout during warning tones.
- Switch the function on or off.

Active Parking Assist

Function of Active Parking Assist

Active Parking Assist is an electronic parking assistance system, which uses ultrasound with the assistance of the reversing camera and 360° Camera. When you are driving forwards up to approximately 35 km/h, the system automatically measures parking spaces on both sides of the vehicle.

Active Parking Assist offers the following functions:

Vehicles with reversing camera

- Parking in parking spaces parallel to the road

Vehicles with 360° Camera

- Parking in parking spaces parallel to the road
- Parking in parking spaces perpendicular to the road (optionally either forwards or reverse)
- Parking in parking spaces that can only be detected as such due to markings (for example at the roadside)
- Exiting parking spaces if you have parked using Active Parking Assist

As soon as all requirements are met for searching for parking spaces, the P display appears in the Instrument Display.

When Active Parking Assist has detected parking spaces, the P display appears in the Instrument Display. The arrows show on which side of the road detected parking spaces are located. They are then shown in the media display.

Vehicles with reversing camera: the parking space can be selected as desired. The vehicle is parked in reverse.

Vehicles with 360° Camera: the parking space can be selected as desired. Depending on the location of the parking space, the parking direction (rearwards or forwards) can also be selected as desired.

When Active Parking Assist is activated, the turn signal indicators are activated based on the calculated path of your vehicle.

The parking procedure is assisted by accelerating, braking, steering and gear changes.

Active Parking Assist is only an aid. It is not a substitute for your attention to the surroundings. The responsibility for safe manoeuvring and parking remains with you. Make sure that no persons, animals or objects etc. are in the manoeuvring range.

Active Parking Assist will be cancelled in the following situations:

- Parking Assist PARKTRONIC is deactivated.
- You begin steering.
- You engage transmission position P.
- ESP® intervenes.
- You open the driver's door.
- After activating Active Parking Assist, you press the P button again (→ page 266).

System limits

If the exterior lighting is malfunctioning, Active Parking Assist is not available.

Objects located above or below the detection range of the sensors, e.g. overhanging loads, overhangs or loading ramps of goods vehicles, or the borders of parking spaces, are not detected during measurement of the parking space. These are also then not taken into account when calculating the parking procedure. In some circumstances, Active Parking Assist may therefore guide you into the parking space incorrectly.

⚠ **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.

Extreme weather conditions, such as snow or heavy rain, may lead to a parking space being measured inaccurately. Parking spaces that are partially occupied by trailer drawbars might not be identified as such or be measured incorrectly. Only use Active Parking Assist on level, high-grip ground.

Do not use Active Parking Assist in the following situations:

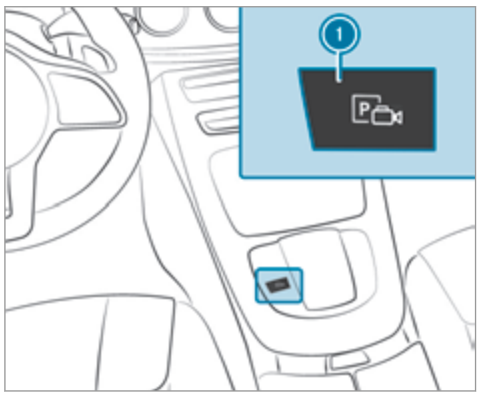
- In extreme weather conditions such as ice, packed snow or in heavy rain.
- When transporting a load that protrudes beyond the vehicle.
- On steep uphill or downhill gradients of more than approximately 15%.
- When snow chains are fitted.
- When a trailer or bicycle rack is attached.
- Directly after a tyre change or when spare tyres are fitted.
- If the tyre pressure is too low or too high.

- If the suspension is out of alignment, e.g. after bottoming out on a kerb.

Active Parking Assist may also display parking spaces that are not suitable for parking, such as:

- Parking spaces where parking is prohibited.
- Parking spaces on unsuitable surfaces.

Parking with Active Parking Assist



▶ Press button 1.



Parking spaces detected by the system are shown in the media display. When the vehicle is stationary, indicated vehicle path 2 into currently selected parking space 3 also appears.

▶ If a parking space is displayed: stop the vehicle.

▶ If necessary, select another parking space.

▶ **Vehicles with 360° Camera:** if necessary, change the parking direction.

▶ **To start the parking procedure:** confirm selected parking space 3.

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.

▶ If, for example, the Please engage reverse gear message appears in the media display:

select the corresponding transmission position.
The vehicle drives into the selected parking space.

ⓘ During the parking procedure with Active Parking Assist, the lane markings are displayed in green in the camera image.

On completion of the parking procedure, the Parking Assist finished, take control of vehicle message appears. Further manoeuvring may still be necessary.

▶ Secure the vehicle against rolling away. When required by legal requirements or local conditions: turn the wheels towards the kerb.

ⓘ You can stop the vehicle and change the transmission position during the parking procedure. The system then calculates a new vehicle path. If no new vehicle path is available, the transmission position can be changed again, or the process can be cancelled.

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.

Please note that you are responsible for the vehicle and surroundings during the entire parking procedure.

▶ Start the vehicle.

▶ Press button ❶.
The media display shows the view of Active Parking Assist.





▶ Select Exit space ❷.

or

▶ If the vehicle has been parked perpendicular to the direction of travel: select direction of travel ❸.

▶ If, for example, the Please engage forward gear message appears in the media display: select the corresponding transmission position.
The vehicle moves out of the parking space and is brought to a standstill by Active Parking Assist (at an angle to the direction of travel).
The Parking Assist finished, take control of vehicle message appears.

- Take control of the vehicle and complete the parking process.

ⓘ The vehicle path shown on the media display may differ from the actual vehicle path. The turn signal indicator is switched on automatically when the exiting 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.

Pausing Active Parking Assist

You can interrupt the parking or exiting procedure of Active Parking Assist by performing one of the following actions, for example:

- depressing the brake pedal
- opening the front passenger door, a rear door, the boot or the bonnet
- applying the electric parking brake or activating the HOLD function
- **To resume the parking or exiting procedure:** gently depress the accelerator pedal.

ⓘ If the electric parking brake was applied before Active Parking Assist was activated, depress the accelerator pedal lightly to start the parking or exiting procedure.

Check the area around your vehicle again before resuming a paused parking procedure. Make sure that persons, animals or objects are no longer in the manoeuvring range. Also observe the system limitations of Active Parking Assist.

Automatic braking function of Active Parking Assist

Persons or objects detected in the manoeuvring range could cause the vehicle to brake sharply and interrupt the parking or exiting procedure. The vehicle will then be held at a standstill. If you depress the accelerator pedal, the parking or exiting procedure is resumed.

Check the area around your vehicle again before resuming the parking or exiting procedure. Make sure that persons, animals or objects are no longer in the manoeuvring range. Also observe the system limitations of Active Parking Assist.

Manoeuvring assistant

Function of Drive Away Assist

Drive Away Assist can reduce the severity of an impact when pulling away. If an obstacle is detected in the direction of travel, the vehicle's speed is briefly reduced to approx. 2 km/h. If a critical situation is detected, the  symbol appears in the media display.

Drive Away Assist can be deactivated or activated in the Manoeuvring assistance menu (→ page 270).

ⓘ You can cancel an intervention by Drive Away Assist at any time by deactivating Parking Assist PARKTRONIC (→ page 263).

⚠ WARNING Risk of accident caused by limited detection performance of Drive Away Assist

Drive Away Assist cannot always clearly identify objects and traffic situations.

- Always pay careful attention to the traffic situation; do not rely on Drive Away Assist alone.

▶ Be prepared to brake or swerve as necessary, provided the traffic situation permits and that it is safe to take evasive action.

Drive Away Assist is only an aid. It is not a substitute for your attention to the surroundings. The responsibility for safe manoeuvring and parking remains with you. Make sure that no persons, animals or objects etc. are in the manoeuvring range.

A risk of collision may occur in the following situations, for example:

- If the accelerator and brake pedals are interchanged.
- If an incorrect transmission position is engaged.

Drive Away Assist is active under the following conditions:

- If Parking Assist PARKTRONIC is activated.
- If you shift the transmission position to R or D when the vehicle is stationary.
- If the detected obstacle is less than approx. 1.0 m away.
- If the manoeuvring assistance function is activated in the multimedia system.

System limits

The performance of Drive Away Assist is limited on inclines.

When driving with a trailer, Drive Away Assist is not available.

ⓘ Also observe the system limits of Parking Assist PARKTRONIC (⟶ page 260).

Function of Cross Traffic Alert

ⓘ Cross Traffic Alert is only available for vehicles with Blind Spot Assist or Active Blind Spot Assist.

Cross Traffic Alert can warn drivers of any crossing traffic when reversing and manoeuvring out of a parking space. The radar sensors in the bumper also monitor the area adjacent to the vehicle. If a critical situation is detected, the  symbol appears in the media display and the vehicle can be braked automatically.

If the radar sensors are obstructed by vehicles or other objects, detection is not possible.

Depending on the country, Cross Traffic Alert can be deactivated or activated in the Manoeuvring assistance menu (⟶ page 270).

ⓘ Also observe the instructions on Blind Spot Assist and Active Blind Spot Assist (⟶ page 245).

System limits

Cross Traffic Alert is not available on inclines.

Cross Traffic Alert is not available when driving with a trailer.

Manoeuvring brake function

The manoeuvring brake function can prevent collisions with pedestrians when the vehicle is reversing at slow speeds. If the reversing camera detects a person in the vehicle path, the vehicle can be braked to a standstill.

The manoeuvring brake function can intervene under the following conditions:

- The vehicle is reversing at a speed slower than 10 km/h.

- The camera image is shown in the media display (→ page 260).

You can activate and deactivate the manoeuvring brake function in the Manoeuvring assistance menu (→ page 270).

If the manoeuvring brake function is triggered, the following symbol appears in red in the selected view in the Camera & parking menu:



ⓘ If the manoeuvring brake function is not available, the same symbol appears in grey.

The manoeuvring brake function is only an aid. It is not a substitute for your attention to the surroundings. The responsibility for safe manoeuvring and parking remains with you. Make sure that no persons, animals or objects etc. are in the manoeuvring range.

⚠ **WARNING** Risk of accident caused by limited detection by the manoeuvring brake function

The manoeuvring brake function cannot always clearly detect people. Other obstacles are not detected by the function.

In these cases, the function may brake unnecessarily or not brake at all.

▶ Always pay careful attention to the traffic situation; do not rely on the manoeuvring brake function alone.

▶ Be ready to brake.

System limits

Observe the system limits of the following functions:

- Active Parking Assist (→ page 264)
- 360° Camera (→ page 256)
- Reversing camera (→ page 253)

The manoeuvring brake function is not available in the following situations:

- on inclines
- if transport equipment, for example a trailer or bicycle rack, is attached to the trailer hitch and the electrical connection has been correctly established

Activating/deactivating manoeuvring assistance

Multimedia system:

→ ⌂ ▸▸ Settings ▸▸ Assistance ▸▸ Camera & parking

▶ Activate/deactivate Manoeuvring assistance.

Trailer Manoeuvring Assist

Function of Trailer Manoeuvring Assist

⚠ **WARNING** Risk of accident due to unsuitable trailers

Trailers with a steered axle or a fifth wheel cannot be used with Trailer Manoeuvring Assist.

Due to this, the trailer cannot be manoeuvred in the desired direction and you can cause a collision or the trailer can overturn.

▶ Only use Trailer Manoeuvring Assist with trailers with fixed drawbars and axles.

! **NOTE** Damage due to overhanging loads in front or drawbar installations

The vehicle and the trailer may be damaged during manoeuvring due to overhanging loads at the front of the trailer or drawbar installations.

▶ Pay attention to overhanging loads or drawbar installations while manoeuvring.

Trailer Manoeuvring Assist assists you when reversing with a trailer. Using the reversing camera, it monitors the articulation angle between the vehicle and trailer and adjusts it to a specified value. Trailer Manoeuvring Assist also limits your speed.

Trailer Manoeuvring Assist is only an aid. It is not a substitute for your attention to the surroundings. The responsibility for safe manoeuvring and parking remains with you. Make sure that there are no persons, animals or objects in the manoeuvring area while manoeuvring and parking in/exiting parking spaces.

You can either enter the articulation angle value directly via the multimedia system or use a straightening manoeuvre. When carrying out a straightening manoeuvre, the system calculates the articulation angle automatically and straightens the vehicle/trailer combination to the trailer's current direction.

Observe the notes on towing a trailer (→ page 272).

System limits

Observe the system limits of the following functions:

- Active Parking Assist (→ page 264)
- 360° Camera (→ page 256)
- Reversing camera (→ page 253)

The system may be impaired or may not function in the following situations:

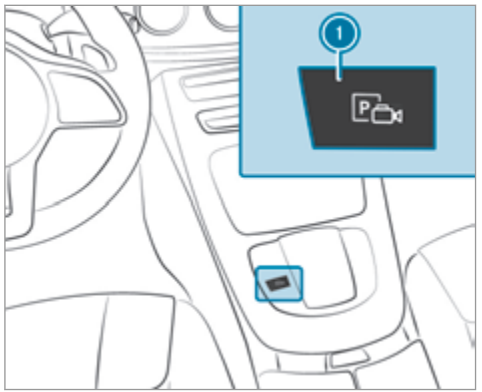
- The gradient is greater than approximately 15%.

Using Trailer Manoeuvring Assist

Requirements:

- The vehicle has been started and is stationary.
- A trailer has been detected.
- The gradient is less than approximately 15%.
- The boot lid is closed.
- The electric parking brake is not applied.
- The driver's seat belt is fastened.

Using Trailer Manoeuvring Assist



- ▶ Engage reverse gear R.
- ▶ Press button 1.
  The camera image is shown in the media display.
- ▶ To adjust the articulation angle: select .
  Swipe left or right on the media display or touchpad to change the articulation angle.

or

- ▶ To activate the straightening manoeuvre: select .
  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 reversed, which then guides it back to the desired line. In this way, the vehicle is aligned straight with the trailer and, at the same time, the direction of the trailer is maintained.
- ▶ Accelerate and brake as required.

ⓘ The maximum articulation angle depends on the length of the trailer. This is calculated by the system by driving the vehicle forwards, including cornering. Before the length of the trailer has been calculated, the maximum articulation angle is approximately 23°. The longer the trailer is, the higher the maximum articulation angle (max. approximately 60°).

ⓘ Pay attention to your surroundings and be ready to brake at all times.

Trailer hitch

Notes on trailer operation

! **NOTE** Mercedes-AMG vehicles

- ▶ Observe the notes in the Supplement. You could otherwise fail to recognise dangers.

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 towing capacity
- Permissible rear axle load of the towing vehicle
- Permissible gross weight of the towing vehicle
- Permissible gross weight of the trailer
- Maximum permissible speed of the trailer

Ensure the following before starting a journey:

- The tyre pressure on the rear axle of the towing vehicle is set for a maximum load
- The lighting of the connected trailer is operational
- **Vehicles without LED headlamps or MULTIBEAM LED headlamps:** the headlamps have been set correctly

In the event of increased rear axle load, the car/trailer combination must not exceed a maximum speed of 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 100 km/h.

ⓘ When you are reversing with a trailer, remember to use the Trailer Manoeuvering Assist function (→ page 270).

Extending and retracting the ball neck fully electrically

⚠ **WARNING** Risk of accident due to the ball neck not being engaged

If the ball neck is not engaged, the trailer may come loose.

▶ Make sure that the ball neck securely engages and locks into place.

! **NOTE** Damage to the all-electric trailer hitch due to additional pressure

The all-electric trailer hitch could be mechanically damaged by applying additional pressure when the ball neck is being extended or retracted.

▶ Do not make the ball neck extend/retract faster by applying additional pressure.

! **NOTE** Increased risk of damage to property due to folded-out ball neck

▶ When the trailer is not coupled or the bicycle rack is attached, fold in the ball neck or, in the case of a fully electric trailer hitch, retract the ball neck.

! **NOTE** Damage to the vehicle due to incorrect use of the trailer hitch

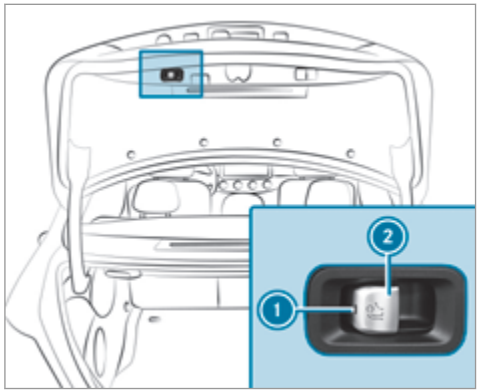
When a trailer hitch is used to recover a vehicle, the vehicle may be damaged in the process.

▶ Use the trailer hitch only for pulling a trailer or attaching approved carrier systems (e.g. a bicycle rack).

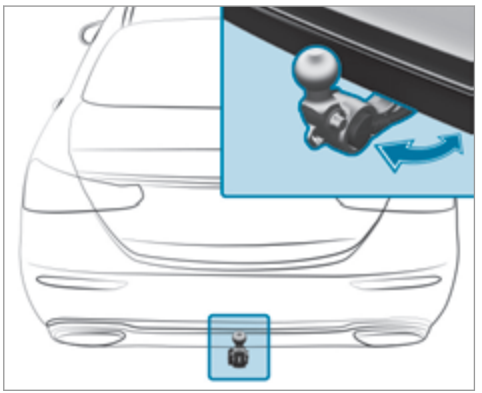
Requirements:

- The vehicle is secured against rolling away.
- The swivel range is clear.
- The trailer cables or adapter plugs have been removed.

Extending the ball neck fully electrically



- Pull button (2).
  Indicator lamp (1) will flash and the message Trailer coupling extending... will appear on the instrument display.
  The ball neck will extend fully electrically.
- Wait until the ball neck has locked in place. When indicator lamp (1) is continuously lit, the ball neck is securely locked in place.
  If the ball neck is not securely locked in place, indicator lamp (1) will flash and the message Check trailer hitch lock will appear on the instrument display.



Retracting the ball neck fully electrically

- Pull button (2).
  Indicator lamp (1) will flash and the message Trailer coupling extending... will appear on the instrument display.
  The ball neck will retract fully electrically.
- Wait until the ball neck has locked in place. When indicator lamp (1) goes out, the ball neck is securely locked in place.
  If the ball neck is not securely locked in place, indicator lamp (1) will flash and the message Check trailer hitch lock will appear on the instrument display.

Observe the information about the displays on the instrument cluster:

- Indicator and warning lamps (→ page 499)
- Display messages (→ page 433)

Extending and retracting the ball neck fully electrically (multimedia system)

WARNING Risk of accident due to the ball neck not being engaged

If the ball neck is not engaged, the trailer may come loose.

- Always engage the ball neck as described.

NOTE Damage to the all-electric trailer hitch due to additional pressure

The all-electric trailer hitch could be mechanically damaged by applying additional pressure when the ball neck is being extended or retracted.

- Do not make the ball neck extend/retract faster by applying additional pressure.

Requirements:

- The vehicle is secured against rolling away.
- The swivel range is clear.
- The trailer cables or adapter plugs have been removed.

Multimedia system:

Settings ▸▸ Quick access

Extending the ball neck fully electrically

- Select .
  The Trailer coupling extending... display message will appear on the multifunction display.
  The ball neck will extend fully electrically.
- Wait until the ball neck has locked in place.

If the ball neck is not securely locked in place, the Check trailer hitch lock message will appear on the multifunction display.

Retracting the ball neck fully electrically

- Select .
  The Trailer coupling extending... display message will appear on the multifunction display.
  The ball neck will retract fully electrically.
- Wait until the ball neck has locked in place.

If the ball neck is not securely locked in place, the Check trailer hitch lock message will appear on the multifunction display.

Coupling up/uncoupling a trailer

WARNING Risk of injury due to a change in vehicle level

Vehicles with level control: the vehicle level may be changed unintentionally, e.g. by other people. If you couple or uncouple the trailer during this time, you may become trapped. In addition, other people could become trapped if parts of their body are between the vehicle body and the tyres or underneath the vehicle.

Observe the following when coupling or uncoupling:

- Do not open or close any doors or the boot lid.
- Do not initiate the level control and do not operate the DYNAMIC SELECT switch.
- Do not lock or unlock the vehicle.

Requirements:
- The ball neck is extended and engaged in a securely locked position.

Trailers with a 7-pin plug can be connected to the vehicle with the following adapters:
- Adapter plug
- Adapter cable

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.

The functions of the following systems will be affected by a correctly connected trailer:
- ESP® trailer stabilisation
- Trailer Manoeuvering Assist
- Active Lane Keeping Assist
- Parking Assist PARKTRONIC
- Active Parking Assist
- Blind Spot Assist or Active Blind Spot Assist
- Drive Away Assist
- Cross Traffic Alert
- Reversing camera
- 360° camera
- AIR BODY CONTROL

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.

▶ Remove the cover cap from the ball head and store it in a safe place.

▶ Position the trailer on a level surface behind the vehicle and couple it up to the vehicle.



▶ Open the socket cap.

▶ Insert the plug with lug (1) in groove (3) on the socket.

▶ Turn bayonet coupling (2) to the right as far as it will go.

▶ Let the cap engage.

▶ Secure the cable to the trailer with cable ties (only if you are using an adapter cable).

▶ Make sure that the cable is always slack for ease of movement during cornering.

Under the following conditions, a message may appear on the instrument display even if the trailer has been connected correctly:

- LEDs have been installed in the trailer lighting system.
- The current has fallen below the trailer lighting system's minimum current (50 mA).

ⓘ 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 when uncoupling in a state of overrun

Uncoupling in a state of overrun can damage the vehicle.

▶ Do not uncouple trailers with an engaged overrun brake.

⚠ **WARNING** Risk of becoming trapped when disconnecting the trailer cable

Vehicles with level control system: The vehicle may lower when the trailer cable is disconnected.

This could result in you or other people becoming trapped if your or their limbs are between the vehicle body and the tyres or underneath the vehicle.

▶ Make sure that nobody is underneath the vehicle or in the immediate vicinity of the wheel arches when you disconnect the trailer cable.

! **NOTE** Damage to the rear bumper from installing adapter cables or adapter plugs

The following parts could be damaged when swiveling the ball neck fully electrically:

- Bumper
- Adapter cable
- Adapter plug

▶ Always remove the adapter cable or adapter plug before swiveling the ball neck fully electrically.

▶ Secure the trailer against rolling away.
▶ Disconnect the electrical connection between the vehicle and the trailer.
▶ Uncouple the trailer.
▶ Place the cover cap on the ball head.

Bicycle rack function

WARNING Risk of an accident if the bicycle rack is used incorrectly

The bicycle rack may become detached from the vehicle in the following cases:

- the permissible load capacity of the trailer hitch is exceeded.
- the bicycle rack is used incorrectly.
- the bicycle rack is secured to the ball neck beneath the ball head.

Observe the following for your own safety and that of other road users:

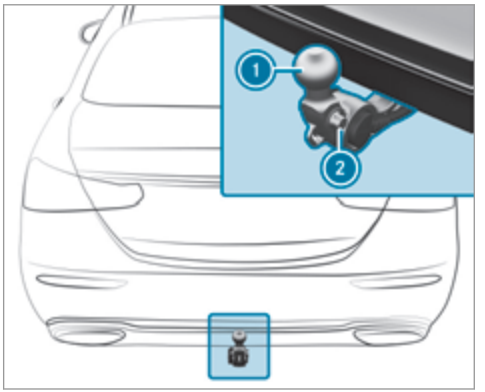
- always adhere to the permissible load capacity of the trailer hitch.
- always observe the permissible rear axle load of the towing vehicle.
- use the bicycle rack only to transport bicycles.
- always mount the bicycle rack properly by attaching to the ball head and the ball neck guide pin, if possible.
- when transporting four bicycles, always use bicycle racks which have additional support on the ball neck guide pin.
- use only bicycle racks approved by Mercedes-Benz.
- always observe the bicycle rack operating instructions.

NOTE Damage to, or cracks on, the trailer hitch due to unsuitable bicycle racks or bicycle racks being used incorrectly

▶ use only bicycle racks approved by Mercedes-Benz.

NOTE Increased risk of damage to property due to folded-out ball neck

▶ When the trailer is not coupled or the bicycle rack is attached, fold in the ball neck or, in the case of a fully electric trailer hitch, retract the ball neck.



Trailer hitch (example with additional guide pin)

Depending on the bicycle rack's design, different numbers of bicycles can be transported.

The following bicycle rack designs are possible:

- When mounted by attaching to ball head (1), the maximum load capacity is 75 kg. You can transport up to three bicycles.
- When mounted on ball head (1) and guide pin (2), the maximum load capacity is 100 kg. You can transport up to four bicycles.

The maximum load capacity is calculated from the weight of the bicycle rack and the bicycle rack load.

Observe the notes on driving with a roof load, trailer or fully laden vehicle (→ page 172).

When using a bicycle rack, set the tyre pressure for increased load on the rear axle of the vehicle. Further information on the tyre pressure can be found in the tyre pressure table (→ page 397).

Notes on loading

The larger the distance between the load's centre of gravity and the ball head, the greater the load on the trailer hitch.

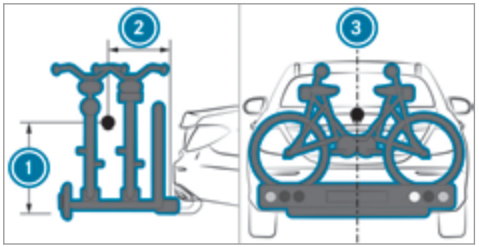
Observe the following notes:

- mount heavy bicycles as close to the vehicle as possible
- always distribute the load on the bicycle rack as evenly as possible across the vehicle's longitudinal axis

Mercedes-Benz recommends removing all detachable parts from bicycles (e.g. baskets, child seats, rechargeable batteries) before loading them onto the bicycle rack. This will improve the aerodynamic resistance and centre of gravity of the bicycle rack.

Always secure the bicycles to prevent them from moving around and check them at regular intervals to ensure that they are secure.

Do not use tarpaulins or other covers. The driving characteristics and rear view may be impaired. In addition, aerodynamic resistance and the load on the trailer hitch will increase.



Load distribution on the bicycle rack

(1) Vertical distance between centre of gravity and ball head

(2) Horizontal distance between centre of gravity and ball head

(3) The centre of gravity is on the vehicle's centre axis

Observe the following information when loading the bicycle rack:

Loading the bicycle rack

	3 bicycles	4 bicycles
Total weight of bicycle rack and load	Up to 75 kg	Up to 100 kg
Max. distance ①	420 mm	420 mm
Max. distance ②	300 mm	400 mm

When transporting four bicycles or a total weight between 75 kg and 100 kg, always use bicycle racks with additional support on the trailer hitch guide pin.

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 can 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 387)
- The notes on towing the vehicle with both axles on the ground (⟶ page 388)

Notes on the instrument display and on-board computer

WARNING Risk of accident if the instrument display fails

If the instrument display has failed or is malfunctioning, function restrictions in systems relevant to safety cannot be detected.

The operating safety of your vehicle may be impaired.

- Drive on carefully.
- Have the vehicle checked immediately at a qualified specialist workshop.

If the operating safety of your vehicle is impaired, park the vehicle immediately and safely. Contact a qualified specialist workshop.

Plug-in hybrid:

WARNING Risk of accident if the instrument display fails

In the event of a failure or malfunction of the instrument display, you will not recognise limitations in the functions of systems relevant to safety. This may impair operating safety.

- Park the vehicle safely as soon as possible and notify a qualified specialist workshop.

WARNING Risk of distraction due to information systems and communications equipment

If you operate information systems and communications 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 in accordance with the traffic conditions and operate the equipment with the vehicle stationary.

NOTE Mercedes-AMG vehicles

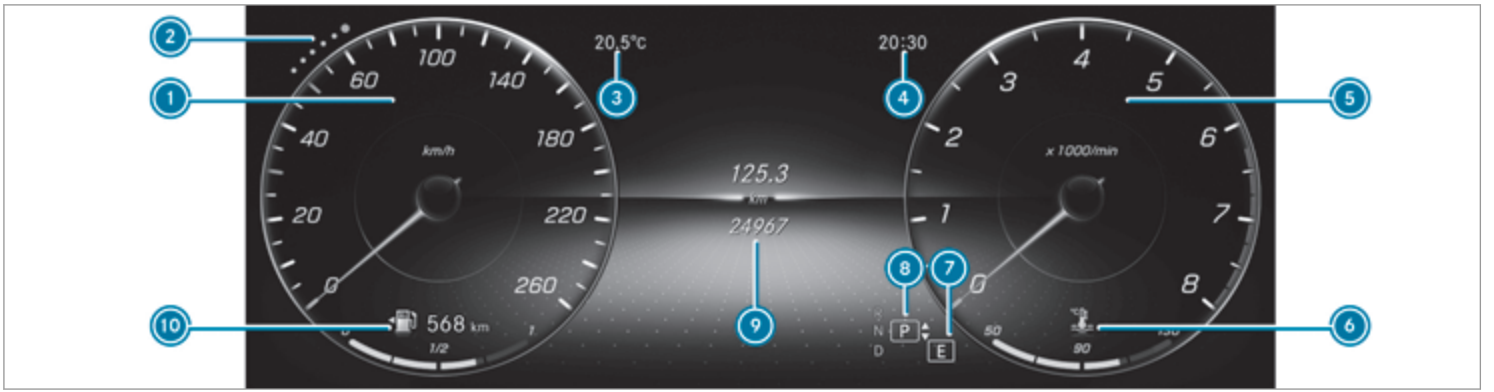
- Observe the notes in the Supplement. You could otherwise fail to recognise dangers.

You must observe the legal requirements for the country in which you are currently driving when operating the on-board computer.

The on-board computer shows only display messages and warnings from specific systems on the instrument display. You must therefore ensure that your vehicle is always reliable.

If the operating safety of your vehicle is impaired, park the vehicle immediately and in accordance with the traffic conditions. Contact a qualified specialist workshop.

Overview of instrument display



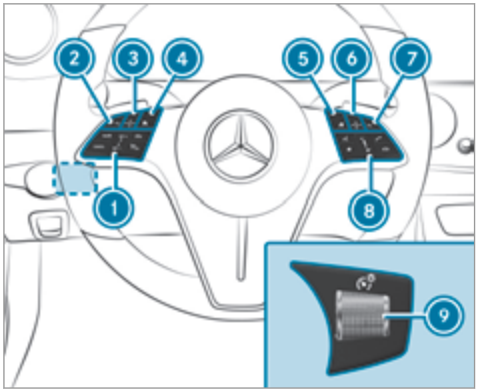
1. Speedometer
   The segments on the speedometer indicate the statuses of the following systems: cruise control/limiter/Active Distance Assist DISTRONIC
2. Index points
3. Outside temperature
4. Time
5. Area for additional values (example: rev counter): rev counter/navigation/ECO display/consumption/G-meter/date
   The fuel supply will be interrupted to protect the engine when the red mark on the rev counter (overrevving range) is reached.
   Plug-in hybrid: electric motor power availability display or power meter
6. Coolant temperature display
   During normal operation, the coolant temperature display is permitted to rise to 120°C.
   Vehicles with 48 V on-board electrical system: POWER and CHARGE displays (electrical drive

support and recuperation power of the electric motor)
Plug-in hybrid: current state of charge of the high-voltage battery

7 Selected drive program
8 Selected transmission position
9 Centre display area of the instrument display (example: standard display for a trip): assistance/telephone/navigation/trip/media/radio/styles and displays/service/possible settings for head-up display
10 Fuel level and fuel filler flap location indicator

Overview of buttons on the steering wheel

Depending on the equipment, the layout and the design of the control elements on the steering wheel may differ.



1 Control panel for cruise control/limiter or Active Distance Assist DISTRONIC (→ page 226)
2 Back button, on-board computer
3 Touch Control, on-board computer
To navigate: swipe
To confirm: press OK
4 Main menu, on-board computer
5 Main menu, MBUX multimedia system
6 Touch Control, MBUX multimedia system
To navigate: swipe
To confirm: press OK
7 Back button, MBUX multimedia system
8 Control panel for the MBUX multimedia system
LINGUATRONIC (→ page 290)
9 To adjust the brightness of the instrument lighting

Operating the on-board computer

Observe the legal requirements for the country in which you are currently driving when operating the on-board computer.



The on-board computer is operated using the left-hand Touch Control and the left-hand back/home button.

When the on-board computer is being operated, different acoustic signals will sound as operating feedback, e.g. when the end of a list is reached or when you are scrolling through a list.

ⓘ To operate the Touch Control in the most effective way, use the tip of your thumb if possible.

The following menus are available:

- Assistance
- Telephone
- Navigation
- Trip
- Radio
- Media
- Service
- **Vehicles with an instrument display in the widescreen cockpit:** Design

ⓘ You can find information about the possible settings and selections on the menus in the Digital Owner's Manual.

The menus can be called up from the menu bar on the instrument display.

▶ **To call up the menu bar:** press the left-hand back button until the menu bar is displayed.

ⓘ **Vehicles without Active Distance Assist DISTRONIC:** press the ⌂ button to call up the menu bar of the on-board computer.

▶ **To scroll on the menu bar:** swipe left or right on the left-hand Touch Control.

▶ **To call up a menu, submenu or possible settings on the menu, or confirm a selection or setting:** press the left-hand Touch Control.

▶ **To scroll through displays or lists on the menu, or select display content, a function, an entry or a display:** swipe upwards or downwards on the left-hand Touch Control.

▶ **To exit a submenu:** press the left-hand back button.

Selecting the head-up display

▶ **To switch on the head-up display:** switch on the head-up display via the multimedia system or activate it on the menu bar by swiping upwards on the left-hand Touch Control. The head-up display menu will be selected on the head-up display.

▶ **To switch to the head-up display:** press the left-hand Touch Control or swipe upwards on the left-hand Touch Control.

▶ **To set the three display ranges of the head-up display:** swipe upwards or downwards on the left-hand Touch Control.

Full-screen menus

You can display the following menus full-screen on the instrument display:

- Assistance
- Trip
- Navigation

▶ On the corresponding menu, use the left-hand Touch Control to scroll to the end of the list.

▶ Press the left-hand Touch Control.
The selected menu will be displayed full-screen.

Function of the power meter (plug-in hybrid)

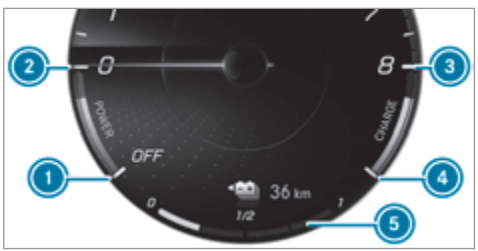


1. Combustion engine and electric motor switched off
2. Position in the display range of the recovered energy
3. Start of the display range of the recuperated energy
4. End of the display range of the combined output of the hybrid system

The power meter has the following functions:

- The power meter displays the output obtained from the hybrid system.
- Area 2 - 3 shows the regained energy.
- When the power meter needle is at position 1, the vehicle is switched off. The combustion engine and the electric motor are switched off.
- Power range 3 – 4 shows the combined output of the hybrid system.

Function of the electric motor power availability display (plug-in hybrid)



1. Start of the POWER display range
2. End of the POWER display range
3. Maximum recuperated energy

④ Start of the display range of the recuperated energy
⑤ Current state of charge of the high-voltage battery

- In electric mode, the area ① - ② shows what percentage of the electrical drive is currently being used. The combustion engine is switched on at a percentage of 100%. If the combustion engine is running, boost mode shows the electrical power assistance of the drive.
- The area ③ ④ shows the recuperation and charging behaviour using the combustion engine.
- From point ③, the maximum recuperated energy has been reached.
- The current state of charge of high-voltage battery ⑤ is displayed.

ⓘ Due to various system limits, the displayed value in the area ③ ④ may temporarily differ slightly from the actual value.

Displaying the power meter (plug-in hybrid)

On-board computer:

→ Content

▶ Select Power meter.

Overview of displays on the instrument display

Displays on the instrument display:

- Active Parking Assist activated (→ page 266)
- Parking Assist PARKTRONIC deactivated (→ page 263)
- Cruise control (→ page 224)
- LIM Limiter (→ page 225)
- Active Distance Assist DISTRONIC (→ page 228)
- Active Brake Assist (→ page 242)
- Active Steering Assist (→ page 235)
- Active Stop-and-Go Assist (→ page 235)
- Active Lane Keeping Assist (→ page 247)
- READY PLUG-IN HYBRID operation activated
- HYBRID Operating mode, other operating mode displays
- Electric range
- Haptic accelerator pedal (→ page 177, 182, 180)
- Sound generator inoperative (→ page 446)
- ECO start/stop function (→ page 175)
- HOLD HOLD function (→ page 221)
- Adaptive Highbeam Assist (→ page 139)
  Adaptive Highbeam Assist Plus (→ page 140)
- 120 km/h! Maximum permissible speed exceeded (for certain countries only)

Vehicles with Traffic Sign Assist: detected instructions and traffic signs (→ page 243).

For an overview of the indicator and warning lamps, see (→ page 499).

Head-up display

Function of the head-up display

NOTE Mercedes-AMG vehicles

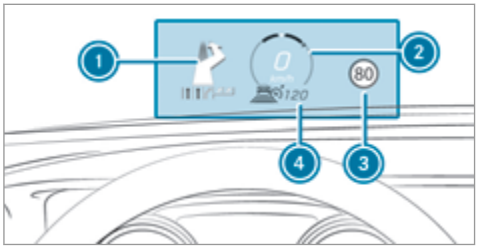
▶ Observe the notes in the Supplement. You could otherwise fail to recognise dangers.

The head-up display projects the following information into the driver's field of vision above the cockpit, for example:

- The vehicle speed
- Information from the navigation system
- Information from the driving systems and driving safety systems
- Some warning messages

Depending on the vehicle's equipment, different content can be shown in the three areas of the head-up display (→ page 287).

Display content



1. Navigation instructions
2. Current speed
3. Detected instructions and traffic signs
4. Set speed in the driving system (e.g. cruise control)

System limits

The visibility of the displays will be affected by the following conditions:

- Seat position
- Image position setting
- Light conditions
- Wet road surface
- Objects on the display cover
- Polarisation in sunglasses

ⓘ In extreme sunlight, sections of the display may appear washed out. You can correct this by switching the head-up display off and on again.

Setting the head-up display using the on-board computer

On-board computer:

→ HEAD-UP DISPLAY

The following head-up display settings or displays can be selected or shown:

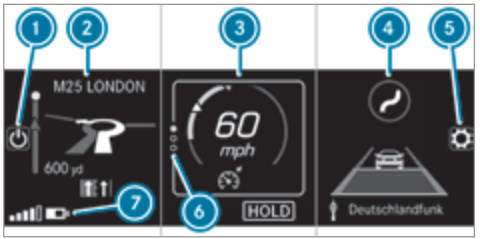
- Position
- Brightness
- Messages
- Assistance status
- Telephone
- Audio
- LINGUATRONIC

- **To select the Settings menu:** swipe to the right on the left-hand Touch Control.
  The Settings menu (5) will be selected.
- **To call up the Settings menu:** press the left-hand Touch Control.
- **To adjust the position:** swipe upwards or downwards on the left-hand Touch Control.
- **To adjust the brightness:** swipe to the left or right on the left-hand Touch Control.

Setting messages, assistance status, telephone, audio and LINGUATRONIC

- Press the left-hand Touch Control.
  The list of setting options will be displayed.
- Swipe upwards or downwards on the left-hand Touch Control and select a setting by pressing the left-hand Touch Control.

Selecting what the head-up display shows



(Example)

(1) Switching the head-up display on/off

(2) Left display area
Navigation system
Average consumption
G-meter

(3) Central display area
Speedometer
Set speed in the driver assistance system, e.g. cruise control
Warnings from driver assistance systems, e.g. distance warning

(4) Right display area
Traffic Sign Assist
Assistant display

(5) To adjust the position, brightness and lower display area

(6) Index points

(7) Lower display area (example: left display area)

Display areas (2) to (4) that are not required can be hidden.

ⓘ In audio mode, the station name or track will be shown temporarily when the audio source is being actively operated. In addition, the latest calls will be displayed when the telephone list on the instrument display is actively operated.

- Swipe upwards on the left-hand Touch Control.
- Press the left-hand Touch Control.

Switching the head-up display on/off via the multimedia system

Multimedia system:

↳ ⌂ » Settings » Quick access

▶ Select HUD.
The head-up-display is activated.

Notes on operating safety

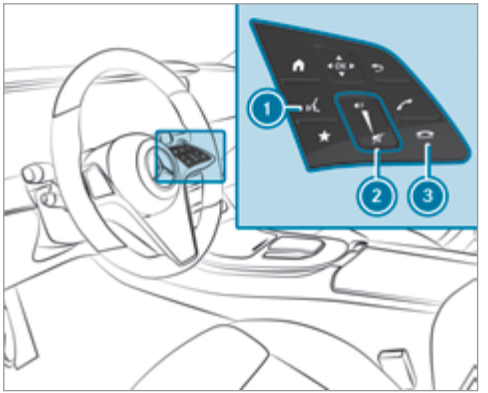
For your own safety, always observe the following points when operating mobile communications equipment and especially your voice control system:

- Observe the legal requirements for the country in which you are driving.
- If you use the voice control system in an emergency your voice can change and your telephone call, e.g. an emergency call, can thereby be unnecessarily delayed.
- Familiarise yourself with the voice control system functions before starting the journey.

Operation

Overview of operating the multifunction steering wheel

LINGUATRONIC is operational approximately thirty seconds after the vehicle is switched on.



1. Press : starts the dialogue
2. Press : switches sound on or off (ends the dialogue)
   Swipe up or down: increases or decreases the volume
3. Press : rejects or ends a call (ends dialogue)

Conducting a dialogue

For the dialogue with LINGUATRONIC, you can use complete sentences of colloquial language as voice commands, such as, for example, "Please show me the list of the last calls" or "How warm is it outside?". It is not necessary to first change to the relevant application such as "Telephone" or "Vehicle function".

▶ **To activate or continue dialogue by using a keyword:** say "Hello Mercedes" to activate LINGUATRONIC. Voice activation must be switched on in the multimedia system (→ page 292). For this, it is not necessary to press up the rocker switch on the multifunction steering wheel.
Voice activation can also be directly combined with a voice command, e.g. "Hi Mercedes, how fast can I drive?".

or

▶ Press the rocker switch up on the multifunction steering wheel.
You can say a voice command after an acoustic signal.

- **To correct an entry:** say the "Correction" voice command.
- **To select an entry from the selection list:** say the line number or the contents.
- **To browse the selection list:** say the "Next" or "Back" voice command.
- **To interrupt the dialogue:** say the "Pause" voice command.
  The dialogue can be continued with the "Hello Mercedes" voice command or by pressing up the rocker switch on the multifunction steering wheel.
- **To jump to the preceding dialogue:** say the "Back" voice command.
- **To jump back to the top dialogue level:** say the "Home" voice command.
- **To cancel the dialogue:** say the "Close" voice command or press the or button on the multifunction steering wheel.
- **To interrupt a voice output:** speak a new voice command when the system is still answering. The voice output is shortened and the conclusion is reached more quickly.

ⓘ The Voice barge-in option must be switched on in the multimedia system for this (→ page 292).

Overview of operable functions in LINGUATRONIC

You can use the LINGUATRONIC voice control system to operate the following functions depending on the vehicle equipment:

- Telephone
- Text message and e-mail
- Navigation
- Address book
- Radio
- Media
- TV
- Vehicle functions

Full functionality is only available for you with activation of online voice control (→ page 292).

Information on the language setting

You can change the language of LINGUATRONIC via the system language settings. If the set system language is not supported by LINGUATRONIC, English will be selected.

LINGUATRONIC is available for you in the following languages:

- English
- English
- French
- Italian
- Dutch
- Polish
- Portuguese
- Russian
- Swedish
- Spanish
- Czech
- Turkish

Setting LINGUATRONIC (multimedia system)

Requirements:

- **For online voice control:** your vehicle is connected with your Mercedes me user account .
- There is an Internet connection .
- **For online use of contacts:** online voice control is activated.

Multimedia system:

Settings ▸▸ System ▸▸ Voice assistant

Switching voice activation of LINGUATRONIC on or off

▶ Select Voice activation "Hi Mercedes". Depending on the previous status, the function is activated or deactivated.

When the function is active, the "Hi Mercedes" voice command can activate the dialogue.

Activating or deactivating online voice control

▶ Activate Online recognition.

ⓘ Online voice control is activated at the factory.

▶ Select Online recognition subscription. You will be connected with the Mercedes me Portal.

▶ Activate online voice control in the Mercedes me Portal.

Activating contacts for online use

▶ Select Contact upload for online recognition. When the function is active, contacts will be found more easily and accurately using voice input. The quality of the enunciation of contact names by the system will also be improved.

Switching on voice interruption

▶ Select Voice barge-in. If the function is active, a command can be interjected during voice output of the system.

Using LINGUATRONIC effectively

LINGUATRONIC audible help functions

Using the corresponding voice commands you receive the following information and assistance in the following cases:

- **For optimum operation:** call up the Digital Owner's Manual with "Open the operating instructions for LINGUATRONIC for me", for example. The full extent of the Digital Owner's Manual is available when the vehicle is stationary.
- **Current application:** on the multifunction steering wheel, press the rocker switch up and say the "Help" voice command. You will receive suggestions and information about operation of LINGUATRONIC for the current application.
- **Continued dialogue:** say the "Help" voice command during a voice dialogue. For every step of the dialogue you receive matching information.
- **Specific function:** call up the voice command for the desired function, e.g. with "Hello

Mercedes, I need help with the radio" or after pressing the rocker switch on the multifunction steering wheel up, say the "Help for the telephone" voice command, for example.

Notes on optimal use of LINGUATRONIC

Notes on how to improve recognition:

- Activate online voice control (→ page 292).
- Say the voice commands coherently and clearly, but do not exaggerate the words.
- Avoid loud noises that cause interference while making a voice command entry, e.g. the entertainment in the rear-passenger compartment.
- **For telephone or address book entries:**
  - Only create sensible address book entries in the system/mobile phone, e.g. enter surname and first name in the correct field.
  - Do not use any abbreviations, unnecessary spaces or special characters.
- **For radio or TV programme names:** say the "Read out station list" voice command and say the desired station name in the way the voice output reads aloud to you.

ⓘ To improve recognition, depending on the outside temperature, either the blowers for ventilation or heating are reduced when LINGUATRONIC is started.

Notes on online voice control

Online voice control improves voice recognition and makes additional results available as a result of external information, e.g. information about POIs and about the weather. Therefore, Mercedes-Benz recommends that you activate online voice control.

You will need a Mercedes me user account for this. If you do not yet have a user account you have to create one and connect it with your vehicle .

Then call up your Mercedes me user account. The Mercedes me services are shown and can be activated .

In addition, online voice control must be activated (→ page 292).

Essential voice commands

Notes on the voice commands

Aside from the exact voice commands (see the "Voice command" column in the following tables) to call up specific functions, in most cases LINGUATRONIC also understands a great many paraphrases from daily usage. Examples of these are listed in the "Colloquial examples" column. For some languages however these examples are only available to a limited extent.

ⓘ Content in angle brackets, e.g. <POI> or <contact>, is a placeholder which has to be completed by you with the desired term. The voice command "Set <POI> as intermediate destination" could, for example, be completed with: "Set "Buckingham Palace" as intermediate destination".

Overview of switch voice commands

Switch voice commands can be used to open certain applications.

Switch voice commands

Voice command	Colloquial example	Function
Switch to navigation	I would like to go to navigation	Switches to navigation.
Switch to address book	I would like to switch to the address book	Switches to the address book.
Switch to telephone	I would like to switch to the phone	Switches to the telephone.
Switch to messages	Can you switch to messages please?	Switches to the text message application.
Switch to e-mail	I would like to go to the e-mail application	Switches to the e-mail application.
Switch to radio	I would like to switch to the radio	Switches to radio.
Switch to TV	I would like to switch to the TV	Switches to TV.
Switch to media	I would like to switch to the media application	Switches to media.

Voice command	Colloquial example	Function
Switch to comfort	I would like to go to the comfort application	Switches to the comfort settings.
Switch to vehicle info	I would like to go to the vehicle application	Switches to vehicle information.
Switch to settings	I would like to go to the settings menu	Switches to the menu with the setting options.

ⓘ It is not necessary to first call up a menu in order to operate a function it contains with LINGUATRONIC. You can operate the function directly using voice input, e.g. call a contact or enter a destination for navigation. You can find further information in the overview tables for voice commands.

Overview of navigation voice commands

Using the navigation voice commands you can enter POIs and conventional addresses or navigate to your own contacts. You can also carry out important navigation settings directly. The following list offers just a small selection of the possible navigation commands. You will receive additional suggestions if you say "Help for navigation".

Navigation voice commands

Voice command	Colloquial example	Function
Navigate to <address>	I would like to navigate to "Cornwell Road, Cambridge".	Starts route guidance to the desired address.
Navigate to <contact>	Drive/bring me to the contact address of John Smith	Starts route guidance to a contact from the address book.

Voice command	Colloquial example	Function
Navigate to <3 word address>	The example is for the German language: Drive to Tapfer.Gebäude.Verliehen	Starts route guidance to a 3 word address from what3words. The example mentioned navigates you to the Brandenburg Gate. Observe the following information: • 3 word addresses are language dependent. • Searching for a destination using 3 word addresses is not possible in all countries and in all languages. Additional information on 3 word addresses from what3words can be found in the Navigation section under "Entering the destination as a 3 word address".

Voice command	Colloquial example	Function
		The Brandenburg Gate, for example, has the following 3 word addresses: • German: **tapfer.gebäude.verliehen** • English: **that.lands.winning** • French: **posteaux.bobineur.ombrant**
Home	I would like to go home/I want to drive to my home address	Starts route guidance to the home address.
Work	I would like to navigate to work	Starts route guidance to work.
Enter POI	Take me to a POI	Enters a POI, e.g. Brandenburg Gate.
Navigate to <POI>	Navigate to "McDonald's"	Starts route guidance to a POI.
Navigate to the online POI <POI>	Navigate to online POI "McDonald's	Searches online for a POI and starts route guidance.

Voice command	Colloquial example	Function
Start route guidance	Begin route guidance/Can you start route guidance?	Starts route guidance to a destination.
Cancel route guidance	Can you quit route guidance?	Cancels route guidance.
Restart route guidance	I would like to resume route guidance	Continues route guidance after a break.
Set <address> as intermediate destination	Set "Lower Thames Street in London" as the intermediate destination.	Selects an intermediate destination for the route.
Set <contact> as intermediate destination	Set "John Smith" as intermediate destination	Selects an intermediate destination from the contacts for the route.
Set <POI> as intermediate destination	I would like to set "Wetherspoon's in London" as an intermediate destination.	Selects a POI as an intermediate destination for the route.
Enter address in <country>	I would like to enter a new address in "France".	Selects a destination in another country.
Enter postcode	I would like to drive to a certain postcode	Enters a postcode.
Last destinations	Show the previous destinations	Selects a destination from the previous destinations.

Voice command	Colloquial example	Function
Show alternative routes	Search for alternative routes	Shows one of the alternative routes calculated.
Driving recommendations on	Switch on driving recommendations	Switches on voice output for route guidance.
Driving recommendations off	Mute the driving instructions	Switches off voice output for route guidance.
Show traffic map	Switch on traffic jam info	Displays traffic information on the map.
Hide traffic map	Switch off the traffic jam messages	Hides the traffic information.
POI icons on	Show me point of interest icons on the map please	Displays the POI symbols on the map.
Hide POI icons	I would like to hide all POI symbols	Hides the POI symbols.

Overview of telephone voice commands

You can use the telephone voice commands to make phone calls or search through the address book. The following list offers just a small selection of the possible telephone commands. You will receive additional suggestions if you say "Help for phone".

Telephone voice commands

Voice command	Colloquial example	Function
Call <telephone number>	I would like you to dial 0171xxxxxxx	Makes a telephone call by entering the telephone number directly.
Call <contact>	Call Jane Smith on her mobile	Makes a telephone call directly by entering a name from the address book.
Call Mercedes-Benz emergency call centre	Could you call the Mercedes-Benz emergency centre?	Triggers an emergency call to the Mercedes-Benz emergency call centre.
Call Mercedes me	I'd like you to call the MB break-down assistance please	Places a call with Mercedes-Benz breakdown assistance.
Latest calls	Show me the list of missed calls	Shows the list of missed calls.
Latest calls	Show me the last calls	The list shows all outgoing, incoming and missed calls.
Incoming calls	Show me the calls received	Shows the list of incoming calls.
Outgoing calls	Show me the list of outgoing calls	Shows the list of outgoing calls.
Search for <contact>	Could you open the contact "John Smith"?	Opens the contact data of a contact in the address book.
Redial	Redial/Call last phone number	Makes a call to the last telephone number dialled.
Change phone	Could you please switch to the sec-ond phone?	Switches to the favoured telephone.

Overview of radio and TV voice commands

Radio and TV voice commands can also be used when the radio or TV application runs in the background and another application is visible in the foreground. The following list offers just a small selection of the possible radio or TV voice commands. You will receive additional suggestions if you say "Help for radio" or "Help for TV".

Radio and TV voice commands

Voice command	Colloquial example	Function
Station <station name>	I would like to select station "Cool FM"	Selects the radio station mentioned.
Frequency <frequency>	Go to station/radio frequency "eighty seven point five megahertz".	Enters a radio frequency, e.g. for the FM range.
Next TV channel	Change to the next TV channel	Calls up the next TV channel in a list.
Previous radio station	Switch to the last radio station	Switches to the previous radio station.
Storing TV channels	Save the TV channel name	Saves the current TV channel in the favourites list.
Save radio station	Save the radio station, please	Saves a station name for a radio station.
Show station list	Please show me the list of all radio stations	Shows the list of radio stations that can be received.
Read out TV channel list	Read the TV program list to me	To listen to the names of all receivable TV channels.

Voice command	Colloquial example	Function
Read out radio station list	Please read out the radio programme	To have the list of available stations for the currently selected radio application read aloud.
Traffic information on	Switch on the traffic info	Switches on traffic announcements.
Traffic information off	I'd like to switch off traffic info	Switches off traffic announcements.
Radio info on	I want you to turn on additional radio station text	Switches on information about the current station.
Radio info off	I want you to turn off additional radio station text	Switches off information about the current station.

Overview of media player voice commands

Media player voice commands can also be used when the media player application runs in the background and another application is visible in the foreground. The following list offers just a small selection of the possible media player voice commands. You will receive additional suggestions if you say "Help for media" or "Help for player".

Media player voice commands

Voice command	Colloquial example	Function
Play <track/albums/artists/ composers/music genres>	Play "Yellow Submarine"	The names of all available tracks, albums, artists, composers or genres are accepted during the search. In the case of a clear search result the track found is played back immediately.
Play track <track>	Play song "So What"	The available tracks are played back.
Play album <album>	Play album "A Night at the Opera"	The available albums are played back.
Play artist <artist>	I want to listen to the artist "Madonna"	The available artists are played back.
Play composer <composer>	I'd like to hear the composer "Ludwig van Beethoven"	The available composers are played back.
Play music genre <music genre>	I'd like to hear the music genre "Bebop"	The available music genres are played back.
Search for track <track>	I would like to search for the song "Sailing"	The names of all available tracks are accepted during the search. A selection list appears from which you can select the desired music. If you wish to play all the tracks in a selection list, say "Play all tracks".
Search for album <album>	Search for album "A Night at the Opera"	The names of all available albums are accepted during the search. A selection list appears from which you can select the desired music. If you wish to play all the tracks in a selection list, say "Play all tracks".

Voice command	Colloquial example	Function
Search for artist <artist>	I would like to search for the artist "Elton John"	The names of all available artists are accepted during the search. A selection list appears from which you can select the desired music. If you wish to play all the tracks in a selection list, say "Play all tracks".
Search for composer <composer>	Search for composer "Beethoven"	The names of all available composers are accepted during the search. A selection list appears from which you can select the desired music. If you wish to play all the tracks in a selection list, say "Play all tracks".
Search for music genre <music genre>	Search for music genre "Classical"	The names of all available music genres are accepted during the search. A selection list appears from which you can select the desired music. If you wish to play all the tracks in a selection list, say "Play all tracks".
Next track	I would like to listen to the next track	Plays back the next track.
Previous track	I'd like to hear the last track	Plays back the previous track.
Repeat this track	I'd like to listen to this track again	The current track is played back from the beginning.
Play similar music	I'd like to hear similar music	Plays back similar tracks.
Play random music	Play me a random track	Plays back random tracks.
Random playback on	Turn random playback on	Switches to random mode.

Voice command	Colloquial example	Function
Random track list off	Switch off shuffle mode	Switches off random mode.
What am I listening to?	Which music is currently playing?	The information about the track currently playing is read aloud.

Overview of message voice commands

Messages can be created, edited and listened to using the message voice commands. The following list offers just a small selection of the possible message commands. You will receive additional suggestions if you say "Help for messaging".

Message voice commands

Voice command	Colloquial example	Function
Text message to <Name>	I would like to write a new text to "John Smith's mobile number".	Drafts a text message. All address book names are available.
Text message to <Name> <Text>	I would like you to write a new text to "list entry John Smith".	Drafts a text message to the person mentioned. The content of the text can be spoken immediately if online voice control has been activated.
Read out new text messages	I would like you to read out the new text messages	Reads out new text messages.
E-mail to <Name>	I would like to write a new e-mail to "John Smith, office"	Drafts an e-mail.

Voice command	Colloquial example	Function
E-mail to <Name><Text>	I would like to write an e-mail to "John Smith, private" with the following text: "Running late".	Writes an email to the person mentioned. The content of the text can be spoken immediately if online voice control has been activated.
Forward e-mail to	I would like you to forward this e-mail to "John Smith"	Forwards the selected or open e-mail.
Read out new e-mails	I would like you to read out the new email	Reads out the new e-mails.

Overview of vehicle voice commands

You can use the vehicle voice commands to directly call up the corresponding menus for the vehicle settings and operate vehicle functions. The following list offers just a small selection of the possible vehicle voice commands. You will receive additional suggestions if you say **"Help for vehicle settings"** or **"Help for vehicle functions"**.

ⓘ If no seat or side is mentioned for commands that relate to a seat or side of vehicle then all actions are carried out automatically for the driver's seat.

ⓘ The functions that can be operated depend on the vehicle equipment.

Vehicle voice commands

Voice command	Colloquial example	Function
Temperature colder	I would like to reduce the temperature	Lowers the temperature of the air conditioning system.
Air recirculation on	I would like to activate the air circulation	Switches on air recirculation mode for the air conditioning system.
Automatic climate control driver on	I would like to switch on the automatic climate control for the driver's seat	Switches on automatic climate control for the driver's or front passenger side.
Ambient light blue	I would like to change the interior lighting to blue	Switches the ambiance light, e.g. to blue.
Wave refreshment driver on	I would like to switch on the wave refreshment for the driver's seat	Switches on the wave refreshment for the driver's or front passenger seat.
Refreshment driver's seat off	Switch the driver's side refreshment off	Switches off the refreshment function for the driver's or front passenger seat.
Seat heating driver on	I would like to switch on the seat heating for the driver's seat	Switches on the seat heating for the driver's or front passenger seat.
Seat heating front passenger level 2	Seat heating front-passenger on level 2	Sets the seat heating for the driver's or front passenger seat to level 2.

Voice command	Colloquial example	Function
Current speed limit	I would like to hear the speed limit	Calls up the current speed limit.
Outside temperature	I would like to find out what the temperature outside is like	Calls up the outside temperature.
Average consumption	What is the current average consumption?	Calls up average consumption.
Vehicle data	Can you please display the vehicle data menu?	Calls up the vehicle data.
Range	Tell me the current range	Calls up the current range data.
Assistance menu	Show me the driver assistance settings	Displays the assistance settings.
Climate control menu	I would like to see the climate control menu	Displays the climate control settings.
Light menu	I would like to change the light settings	Displays the light settings.
Seats menu	I would like to switch to seat menu	Displays the seat adjustment settings.

Voice command	Colloquial example	Function
Refreshment menu	I would like to switch to the refreshment settings menu	Displays the refreshment settings.
Next service	Tell me my next service appointment	Calls up the next service due date.

Overview and operation

Notes on the MBUX multimedia system

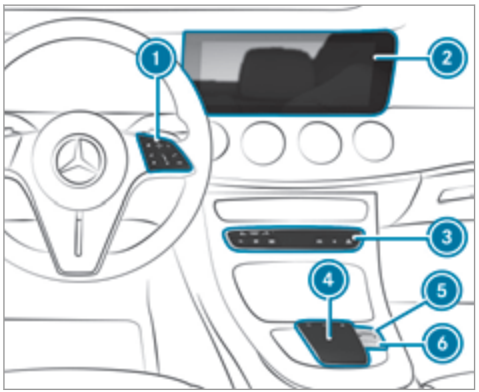
WARNING Risk of distraction due to information systems and communications equipment

If you operate information systems and communications 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 in accordance with the traffic conditions and operate the equipment with the vehicle stationary.

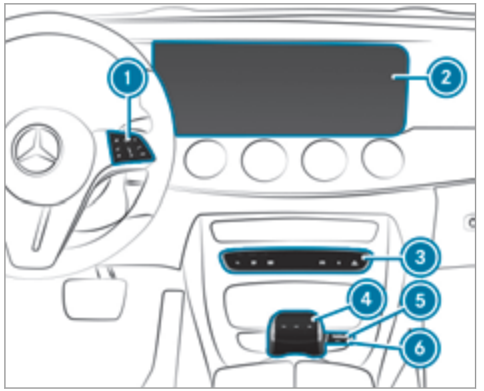
You must observe the legal requirements for the country in which you are currently driving when operating the multimedia system.
Depending on the equipment, the scope of function and product designation of your MBUX multimedia system may differ from the description and images in this Owner's Manual. For example, route guidance with augmented reality is not available in all equipment variants.

Overview of the MBUX multimedia system



Equipment with touchpad

1. Touch Control and control panel for the MBUX multimedia system
2. Media display with touch functionality
3. Control panel for telephone, navigation, radio/media, vehicle functions/system settings and favourites/themes
4. Touchpad
5. Controller
   Turn: adjusts the volume
   Press: switches sound on or off
   For Mercedes-AMG vehicles with AMG Performance exhaust system:
   - Turn: adjusts the volume
   - Press briefly: switches the mute function on/off
   - Press and hold: switches the multimedia system on/off
6. ⏻ Switches the MBUX multimedia system or media display on or off
   For Mercedes-AMG vehicles with AMG Performance exhaust system:
   button
   - Sets the sound characteristic of the AMG Performance exhaust system



Equipment with touchpad with controller

1. Touch Control and control panel for the MBUX multimedia system
2. Media display with touch functionality
3. Control panel for telephone, navigation, radio/media, vehicle functions/system settings and favourites/themes
4. Touchpad with controller
5. Controller

Turn: adjusts the volume

Press: switches sound on or off

For Mercedes-AMG vehicles with AMG Performance exhaust system:

- Turn: adjusts the volume
- Press briefly: switches the mute function on/off
- Press and hold: switches the multimedia system on/off

6. ⏻ Switches the MBUX multimedia system or media display on or off

For Mercedes-AMG vehicles with AMG Performance exhaust system:

button

- Sets the sound characteristic of the AMG Performance exhaust system

ⓘ The equipment with touchpad and controller is not available in all countries.

Further operating options:

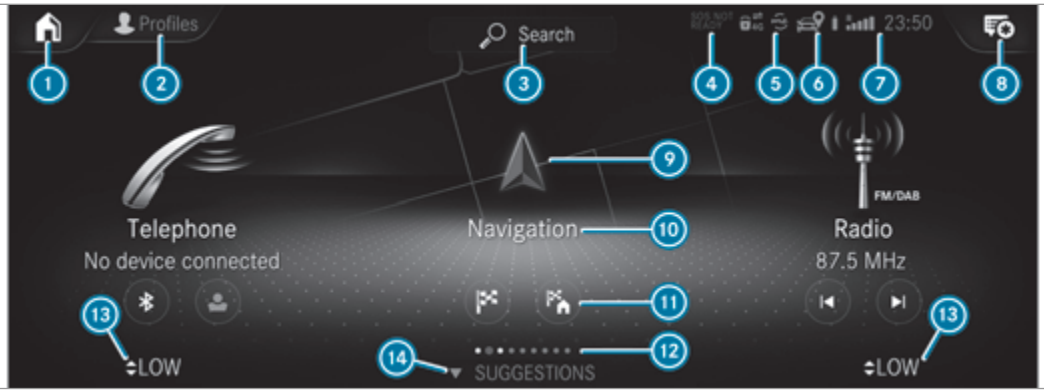
- Conducting a voice dialogue with LINGUATRONIC.
- Operating functions contact-free with the MBUX Interior Assistant.

ⓘ You can find further information about operation as well as about applications and services in the Digital Owner's Manual.

Anti-theft protection

This device is equipped with technical provisions to protect it against theft. More detailed information about anti-theft protection can be obtained at a qualified specialist workshop.

Home screen overview

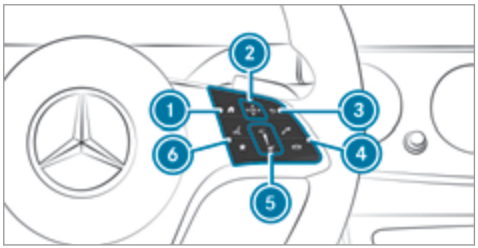


1. Depending on the display, calls up the first three applications or the home screen
2. Calls up the profile
3. Calls up the global search
4. SOS NOT READY (only when the Mercedes-Benz emergency call system is not available)
5. Mercedes me connect active
6. Transmission of vehicle position active
7. Signal strength of the mobile phone network, network display, battery status of the mobile phone connected, time
8. Calls up the Notifications Centre
9. Calls up an application using the symbol
10. Application and current information
11. Quick-access, e.g. enter home address
12. Index points and selected display area
13. Calls up the air conditioning menu
14. Calls up SUGGESTIONS, THEMES and FAVOURITES

ⓘ If Mercedes me connect ⑤ is active , the vehicle is linked with Mercedes me connect. Vehicle data is then transmitted to the back-end system. What data is transmitted depends on which services are activated. Further details can be found in the Mercedes me connect terms and conditions and data protection information. The function is country-dependent.
If transmission of vehicle position ⑥ is active , Mercedes me connect services have been activated for this vehicle which access the vehicle's geoposition. In which instances the geoposition is transmitted depends on the particular services. Further details can be found in the Mercedes me connect terms and conditions and data protection information. The function is country-dependent.

Operating the MBUX multimedia system

Using Touch Control



① ⌂ Shows the home screen
② Touch Control
◀ ▲ ▶ ▼ swipe in the direction of the arrow (navigate)
OK Press (confirm)
③ ↩ Returns to the previous display
④ Makes or accepts a call
Rejects or ends a call
⑤ Increase volume: swipe upwards
Reduce volume: swipe down
Switch off the sound: press
⑥ Starts LINGUATRONIC
★ Calls up favourites (press briefly) or adds favourites and themes (press and hold)

ⓘ To operate Touch Control ② in the most effective way, use the tip of your thumb if possible.

Navigation through the menus is carried out with Touch Control ② with single-finger swipes.

- **To select a menu option:** swipe and press.
- **To move the digital map:** swipe in any direction.

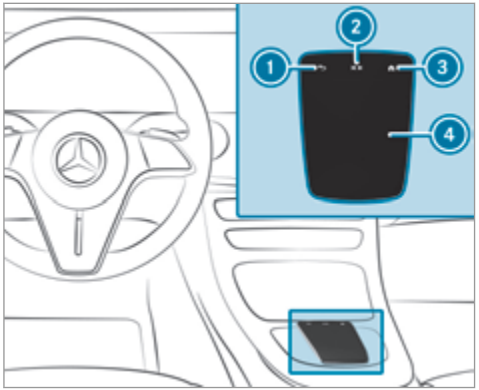
Using the touchscreen

- Select menu options, symbols or characters by pressing briefly.
- **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 call up the global menu:** press and hold on the touchscreen until the OPTIONS menu appears.

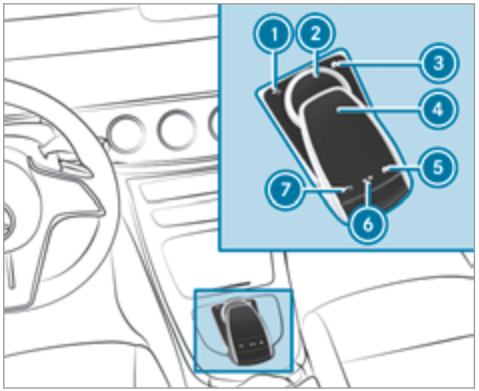
ⓘ For more information on operation, please refer to the Digital Owner's Manual.

Using the touchpad and controller



Equipment with touchpad

1. Returns to the previous display
2. Calls up the audio control menu
3. Calls up the home screen
4. Touchpad



Equipment with touchpad with controller

1. Returns to the previous display
2. Controller
3. Calls up the home screen
4. Touchpad
5. Calls up the home screen
6. Calls up the audio control menu
7. Returns to the previous display

ⓘ The equipment with touchpad and controller is not available in all countries.

▶ Perform the operation according to the equipment.

Operating the touchpad (examples):

- To select a menu option, swipe and press.
- If handwriting recognition is active, write a character on the touchpad.
- Swipe down or up with two fingers.

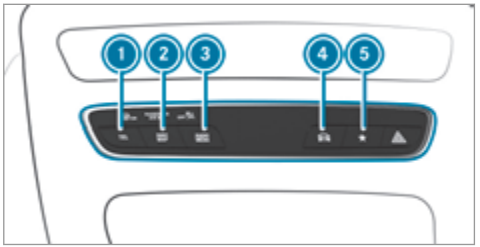
  The Notifications Centre is opened or closed.
- Move two fingers apart or together on the map.

  The map scale is increased or decreased.

Operating the controller

- Turn anti-clockwise or clockwise.
- Slide left or right.
- Slide up or down.
- Slide diagonally.
- Press briefly or press and hold.

Calling up applications using buttons



1. TEL button calls up the telephone
2. NAVI MAP button calls up navigation
3. RADIO MEDIA button calls up radio or media
4. button calls up vehicle functions
5. ★ button

   Press briefly: calls up favourites

   Press and hold: adds a favourite or creates a new theme

▶ Alternatively, tap ⌂ on the touchscreen.

▶ Call up the application (→ page 313).

Functions of LINGUATRONIC

⚠ **WARNING** Risk of distraction due to information systems and communications equipment

If you operate information systems and communications 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 in accordance with the 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.

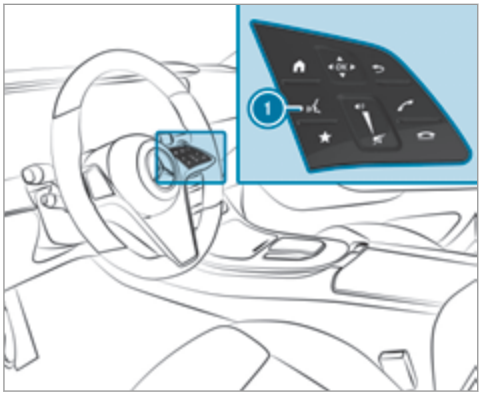
- If you use the voice control system in an emergency your voice can change and your telephone call, e.g. an emergency call, can thereby be unnecessarily delayed.
- Familiarise yourself with the voice control system functions before starting the journey.

With LINGUATRONIC, various applications in the MBUX multimedia system are operable using voice input. LINGUATRONIC is operational approximately thirty seconds after the ignition is switched on and is available for the driver's seat and front passenger seat.

The following multimedia system applications can be operated:

- Telephone
- Text message and e-mail
- Navigation
- Address book
- Radio
- Media
- TV
- Vehicle functions

Starting LINGUATRONIC



▶ Press 1.

or

▶ Say "Hello Mercedes".

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 device is a class 1 laser product in accordance with DIN EN 60825-1:2014

The camera is located in the overhead control panel.

If the vehicle is fitted with the MBUX Interior Assistant, selected functions of the multimedia system can be operated contact-free. The MBUX Interior Assistant can differentiate between driver and front passenger interactions and detects specific hand positions (poses).

System limits, display messages and notes for rectification

The system may be impaired or may not function in the following situations:

- The camera in the overhead control panel may heat up due to operating conditions. As a result the camera may switch off temporarily, particularly during longer periods of operation and at high outside temperatures.

  Do not touch or cover the camera and wait until the camera has cooled down and is available again.
- The camera is covered, dirty, misted up or scratched.

  Wait until the camera has cooled down before cleaning the camera lens.

  Clean the outside of the camera lens with a dry or damp cotton cloth. Do not use microfibre cloths. Do **not** remove the cover when cleaning.
- Recognition can be impaired by reflective clothing, an adverse colour of clothing or by accessories, for example.
- Clothing being worn (hat, shawl, scarf) may be limiting the detection area of the camera.

  Keep the camera's field of vision clear.
- The camera is not operational.

  Consult a Mercedes-Benz service centre.

The MBUX Interior Assistant supports the following interactions:

Interaction area	Interaction	Description
In front of the media display or above the touchpad	Proximity to the control element	The Interior Assistant recognises the approach of the hand towards a control element. Depending on the active application, the display will be adjusted in the media display. Some functions differentiate between driver and front passenger. No specific hand position is required.
Above the centre console	Defined pose	A favourite is called up with a defined pose.

Interaction area	Interaction	Description
Below the inside rearview mirror	Brief up and down movements	With brief vertical up and down movements below the inside rearview mirror the reading light for the driver or the front passenger is switched on and off.
Above the front passenger seat	Stretching out a hand above the front passenger seat	By stretching out a hand above the front passenger seat the search light is switched on. If you withdraw a hand from this area, the search light is switched off again.

Switching the reading light and search light and on or off

Requirements:

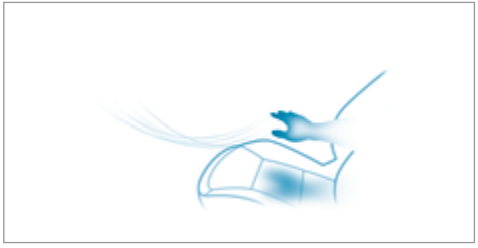
- **For the reading light:** the function is available when it is dark.
- The hand movement takes place in the interaction area below the inside rearview mirror.
- **For the search light:** the function is available when it is dark.
- The hand movement takes place in the interaction area above the front passenger seat.
- The seat belt on the front passenger seat must **not** be inserted in the seat belt buckle.

Switching the reading light on and off



▶ Briefly move a hand up or down beneath the inside rearview mirror.
The reading light is switched on or off for the driver or the front passenger.

Switching the search light on and off



▶ **To switch on:** reach across the front passenger seat with a hand.
The search light is switched on for the driver.

- **To switch off:** take a hand back away from the front passenger seat.
  The search light is switched off again.

Information on profiles, themes, suggestions and favourites

For electrically adjustable seats observe the following notes.

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 the driver's seat is being adjusted via 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, stop the adjustment process immediately:

- a) Tap the warning message on the media display.

or

- b) Press a memory function position button or a seat adjustment switch on the driver's door.
  The adjustment process will be stopped.

The driver's seat is equipped with an access preventer.

If the driver's door is open, the driver's seat will **not** be set after calling up the driver's profile.

Profiles store your vehicle settings and settings for the multimedia system. If the vehicle is used by several drivers, the driver can select their own profile without changing the stored profile settings of other drivers.

ⓘ Information on profiles from Mercedes me connect can be found in the Digital Operator's Manual.

Vehicle settings are, for example, driver's seat, steering wheel and mirror settings, climate control and ambient lighting. For the settings of the multimedia system, you can select, for example, radio stations, previous destinations as well as themes, suggestions and favourites.

For recurring driving situations, such as long drives on the motorway, you can save your preferred settings in a theme in the vehicle. In a theme you can save the display of the digital map, your preferred radio station and preferred drive program, for example.

The vehicle can learn the habits of the driver. It then offers suggestions for the most probable navigation destinations, media sources, radio stations or contacts. The pre-requirements for that are the selection of a profile, your consent to the recording of data and sufficient collected data.

Favourites provide quick access to applications that are used often. You can select favourites from categories or add them directly to an application.

Configuring profiles, themes and suggestions

Multimedia system:

→ ⌂ » Profiles

Creating a new profile

- Select + Create profile .
- Select an avatar.
- Enter the name and confirm with OK.
- Select Continue > .
- Select Current settings.
- Select Save.
- Activate Bluetooth® and select Connect phone, to connect a mobile phone with the user profile .
- Select Finished.

Selecting profile options

- Select ••• for a profile.

  The following functions are available:
  - Editing, resetting or deleting a profile
  - Resetting themes or favourites
  - Configuring suggestions

Configuring suggestions

- Select ••• for a profile.
- Select Suggestions settings.
- Switch Allow destination suggestions, Allow music suggestions and Allow contact suggestions on or off.
- **To deactivate the learning function for one day:** activate Deact. learn. for 24h.

  For 24 hours no new actions will be trained and no data recorded for the active profile. Suggestions will continue to be shown.

  Example: if the option is switched on and a route to a new destination has been calculated, this destination would not be taken into account for the learning function.

Creating new themes

- Select ⌂.
- Select THEMES.
- Select + Set theme.

  The settings which are saved in the theme are shown.
- Select Continue >.
- Select Audio and Navigation (Navigation) and store the active settings in the theme.
- Select Continue >.
- Select an entry screen.
- Select Continue >.
- Select an image.
- Enter the names into the entry field and confirm with OK.
- Select Save.

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
  - Styles

  - Instrument lighting
  - Display brightness
  - Edge lighting
  - Day/night design
- Control elements
  - Keyboard language and handwriting recognition
  - Sensitivity of the touchpad
  - Sensitivity of the Touch Controls
- LINGUATRONIC
- Sound
  - Entertainment
  - Navigation and traffic announcements
  - Telephone
  - Voice amplification to the rear
- Connectivity
  - Wi-Fi, Bluetooth®, NFC
- Time & date
- Language
- Units for distance
- Software updates
- Data import/export
- PIN protection
- System Reset

Information on important system updates

Important system 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.

A system update consists of three steps:

- Downloading or copying of the data required for installation
- Installation of the downloaded system update
- Activation of the downloaded system update by restarting the system

ⓘ If automatic software updates are activated, the system updates will be downloaded automatically.

The multimedia system provides a message when a system update is available.

You have the following selection options:

- Accept and install

  The system update will be downloaded in the background.
- Information

  Information about the pending system update is displayed.
- Later

  The system update can be downloaded manually at a later time.

Deep system updates

Deep system updates access vehicle or system settings and can therefore only be carried out when the vehicle is stationary and the ignition is switched off.

If the download of a deep system update is completed and the downloaded system update is ready for installation, you will be informed of this after the next ignition cycle, for example.

ⓘ Park the vehicle safely in a suitable location before starting the installation.

Requirements for the installation:

- The ignition is switched off.
- Notes and warnings have been read and accepted.
- The electric parking brake is applied.

If all requirements have been fulfilled, the downloaded system update is installed. The multimedia system cannot be operated while the downloaded system update is being installed and vehicle functions are restricted.

If errors should occur during the installation, the multimedia system automatically attempts to restore the previous version. If restoration of the previous version is not possible, a symbol appears on the media display. Consult a qualified specialist workshop to resolve the problem.

Setting up a Wi-Fi hotspot

Requirements:

- **To set up the Wi-Fi connection of the multimedia system with external hotspots:** there is no communication module installed.
- The device to be connected supports at least one of the types of connection described.

Multimedia system:

↪ ⌂ ▸▸ Settings ▸▸ System ▸▸ Wi-Fi & Bluetooth

Activating/deactivating Wi-Fi

▶ Select Wi-Fi.

Connecting the multimedia system with an external hotspot using Wi-Fi

The type of connection established must be selected on the multimedia system and on the device to be connected.

ⓘ The connection procedure may differ depending on the device. Follow the instructions that are shown in the display. Further information can be found in the manufacturer's operating instructions.

▶ Select Internet settings.
▶ Select Connect via Wi-Fi.
▶ Select Add hotspot.

Connecting using a QR code

▶ Select the options ❯ of the desired Wi-Fi network.
▶ Select Connect using a QR code.
▶ Scan the displayed QR code with the device to be connected.
The Wi-Fi connection is established.

Connecting using a security key

▶ Select the options ❯ of the desired Wi-Fi network.
▶ Select Connect using security key.
▶ Have the security key displayed on the device to be connected (see the manufacturer's operating instructions).
▶ Enter this security key on the multimedia system.
▶ Confirm the entry with ok.

Connecting using a WPS PIN

▶ Select the options ❯ of the desired Wi-Fi network.

- Select Connect using WPS PIN input.
  The multimedia system generates an eight-digit PIN.
- Enter this PIN on the device to be connected.
- Confirm the entry.

Connecting using a button

- Select the options [>] of the desired Wi-Fi network.
- Select Connect via WPS PBC.
- Select "Connect via WPS PBC" in the options on the device to be connected (see the manufacturer's operating instructions).
- Press the WPS button on the device to be connected.
- Select Continue in the multimedia system.

Activating automatic connection

- Select Connect via Wi-Fi.
- Select the options [>] of the desired Wi-Fi network.
- Activate Permanent Internet connection.

Connecting with a known Wi-Fi

- Select Connect via Wi-Fi.
- Select a Wi-Fi network.
  The connection is established again.

Configuring the multimedia system as a Wi-Fi hotspot for external devices

The type of connection established depends 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 established must be selected on the multimedia system and on the device to be connected.

- Select Vehicle hotspot.
- Select Connect device to vehicle hotspot.

Connecting using WPS PIN generation

- Select Connect using WPS PIN generation.
- Enter the PIN shown in the media display on the device to be connected and confirm.

Connecting using WPS PIN entry

- Select Connect using WPS PIN input.
- Enter the PIN that is shown on the external device's display on the multimedia system.

Connecting using a button

- Select Connect via WPS PBC.
- Press the push button on the device to be connected (see the manufacturer's operating instructions).
- Select Continue.

Connecting using a security key

- Select Connect device to vehicle hotspot.
  A security key is displayed.
- Select the vehicle from the device to be connected. The vehicle is displayed with the DIRECT-MBUX XXXXX network name.
- Enter the security key which is shown in the media display on the device to be connected.
- Confirm the entry.

Connecting using NFC

- Select Connect via NFC.
- Activate NFC on the mobile device (see the manufacturer's operating instructions).

- Hold the device to be connected at the vehicle's NFC interface.
- Select Finished.
  The mobile device is now connected to the multimedia system hotspot via NFC.

Generating a new security key

- Select Vehicle hotspot.
- Select Generate security key.
  A connection will be established with the newly created security key.
- **To save a security key:** select Save.
  When a new security key is saved, all existing Wi-Fi connections are then disconnected. If the Wi-Fi connections are being re-established, the new security key must be entered.

System language

Notes on the system language

This function allows you to determine the language for the menu displays and the 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 system language

Multimedia system:

Home ▸▸ Settings ▸▸ System ▸▸ Language

- Set the language.

ⓘ If you are using Arabic map data, the text information can also be shown in Arabic on the navigation map. To do so, select العربية as the language from the language list. Navigation announcements are then also made in Arabic.

Resetting the multimedia system (reset function)

⚠ **WARNING** Risk of accidents due to failure of multimedia display functions

While the multimedia system is being reset, its functions such as the reversing camera are not available.

- Only reset the multimedia system when the vehicle is stationary.

Multimedia system:

Home ▸▸ Settings ▸▸ System ▸▸ Reset

Personal data is deleted, for example:

- Station presets
- Connected mobile phones
- Vehicles with rear telephony: handset connection
- Individual user profiles

ⓘ The guest profile is reset when the settings are restored to the factory settings.

ⓘ Vehicles with rear telephony: The handset must be in the cradle while the system is reset.

A prompt appears again asking whether you really wish to reset.

- Select Yes.
  The multimedia system is reset to the factory settings. If you have set a PIN for your system, this will also be reset.

Plug-in hybrid settings

Configuring settings for plug-in hybrid vehicles

Multimedia system:

↝ ⌂ » EQ

Setting the charging process

- ▶ Select Departure time.

The following charging times can be selected:

- Once
- Week profile

- ▶ Select a setting.

Setting a single departure time

- ▶ Select Departure time.
- ▶ Select Edit single time.
- ▶ Set a departure time.

Setting the week profile

- ▶ Select Departure time.
- ▶ Select Edit week profile.
- ▶ Add new time
- ▶ Set the desired departure times, e.g. every day at 8 a.m.
- ▶ Select OK.

Setting the maximum charging current

- ▶ Select Maximum charge current.
- ▶ Select Maximum, 8 amps or 6 amps.
  When the battery is charged, the charging current is limited to the selected amperage.

ⓘ 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 the high-voltage charging of your vehicle. Purchase these parts from your Mercedes-Benz Service Centre and obtain advice there.

Activating or deactivating route-based operating mode strategy

- ▶ Select Electric in city.
  Depending on the previous status, the function is activated or deactivated.

Calling up the energy flow display

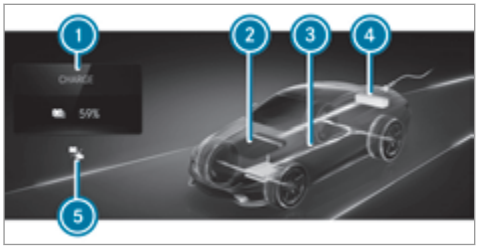
Multimedia system:

↝ ⌂ » EQ

- ▶ Select Energy flow.
  The visualisation of the energy flow in the vehicle is displayed.

In addition to the energy flow, information on the status of the hybrid system and the current state of charge of the high-voltage battery is also displayed.

Functions of the energy flow display



1. State of charge of the high-voltage battery
2. Combustion engine
3. Energy flow
4. High-voltage battery
5. Status of the route-based operating-mode strategy (→ page 182)

The active components of the hybrid system are highlighted in the energy flow display. The energy flow between the individual components is shown in colour.

The energy flow is shown in different colours depending on the operating status:

- **White:** constant energy flow
- **Red:** high energy flow (boost effect)
- **Green:** low-emission energy flow in the case of recuperation, electric mode and when charging the high-voltage battery

Navigation

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 manoeuvres.

Switching navigation on

Multimedia system:

→ ⌂ ▸▸ Navigation (Navigation)

- Alternatively: press the NAVI MAP button.
  The map displays the current vehicle position. The navigation menu is shown.
  The navigation menu is hidden if route guidance is active.
- **To show:** tap on the touchscreen.
  The menu is hidden automatically.

Navigation overview



Example: digital map with navigation menu

1. Enters a POI or address and additional destination entry options
2. Cancels active route guidance
3. Repeats a navigation announcement and switch navigation announcements on or off
4. ON ROUTE menu with Route overview, Alternative routes and Report traffic incident (Car-to-X)
   TRAFFIC menu with Traffic announcements, Area announcements and Live Traffic Subscription Info
   Displays Route list
   POSITION menu with Store position, Compass and Qibla
5. Quick access for Traffic, Parking and Motorway information as well as options for View, Announcements and Route via Advanced

Entering a destination

Multimedia system:

→ ⌂ ▸▸ Navigation ▸▸ 🔍 Where to?



1. Country in which the vehicle is located
2. Enters a POI or address
3. List with additional destination entry options
4. Deletes an entry
5. OK Confirms an entry
6. Switches to handwriting recognition
7. Enters a space
8. Switches to voice input
9. Sets the written language
10. Switches to digits, special characters and symbols
11. Switches to upper-case or lower-case letters

▶ Enter the destination in 2. The entries can be made in any order.

The following entries can be made, for example:

- Town, street, house number
- Street, town
- Postcode
- POI name or POI category, e.g. Parking
- Contact name

▶ Select a search result in list 3.

▶ Calculate the route (→ page 330).

ⓘ You can find further information about destination entry, e.g. 3 word addresses, in the Digital Owner's Manual.

Changing country

▶ Select the country indicator in 1.

▶ Enter the country indicator.

▶ Select the country in 3.

Using online search

ⓘ Requirements: the media display shows an Internet connection with a double-arrow symbol in the status line.

Destination entry uses online map services. If the on-board search finds no suitable destinations or if you change countries, the online search is available.

For the destination you can enter an address, a POI or a three-word address.

▶ Enter the destination in input line 2.
The search results are displayed.

▶ Select the destination in the list.
The detailed view for the route is displayed.

or

▶ Select country indicator 1.

▶ Select the provider for the online service from the countries list.

▶ Enter the destination in input line 2.

▶ Select the destination in the list.

Calculating a route and using settings for route guidance

Requirements:

- The destination has been entered.
- The destination address is shown.

Multimedia system:

→ ⌂ ▸▸ Navigation



1 ⮝ No route yet.
⮝ A route has been mapped.

▶ Select ⮝.
The route to the destination is calculated. Route guidance begins.

or

▶ Select ⮝.

▶ Select Set as intermediate dest..
The destination address is set as the next intermediate destination.

or

- Select Start new route guidance.
  The destination address is set as the new destination. The previous destination and the intermediate destinations are deleted. Route guidance to the new destination begins.

Selecting route settings

- Select ⚙.
- Select Advanced.
- Select Route.
- Select the route type.
- Take traffic information into consideration with Dynamic route guidance ›.
- Select route options with Avoid options.
- Activate Suggest alternative route.
  Alternative routes are calculated for every route.
- Activate Activate commuter route.
  If the requirements are met, the multimedia system automatically detects that the vehicle is on a commuter route. Route guidance begins without voice output.

Activating route guidance with augmented reality

- During route guidance, tap on the camera symbol on the media display.
  The camera image will be shown instead of the navigation map before a turning manoeuvre and will show additional information.
- **To return to the navigation map:** tap on the camera symbol again.

Displaying additional information in the camera image

- Select ⚙.
- Select Advanced.
- Select Augmented Reality.
- Activate Street names and House numbers.
  During route guidance, street names and house numbers are shown in the camera image.

Using map functions

Multimedia system:

↳ ⌂ ›› Navigation

Setting the map scale

- **To zoom in:** tap twice quickly with one finger on the media display.
- **To zoom out:** tap with two fingers on the media display.

Moving the map

- Move one finger in any direction on the touchscreen.
- **To reset the map to the current vehicle position:** press ⌖ briefly.

Selecting map orientation

- Tap repeatedly on the ⌖ compass symbol on the map.
  The view changes in the sequence 3D, 2D heading up to 2D north up.

Switching motorway information on/off

- Select ⚙.

▶ Switch Motorway information on or off.

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 and has been activated.
- The following additional conditions apply to the Parking service:
  - The navigation services option is available, subscribed to and activated in the Mercedes me Portal.
  - The parking service is within the scope of the navigation service.

Multimedia system:

→ ⌂ » Navigation

Displaying the traffic situation with Live Traffic Information

▶ Select ⚙.

▶ Activate Traffic.

▶ Select Advanced.

▶ Select View.

▶ Select Map elements.

▶ Switch on Traffic incidents, Free-flowing traffic and Delay.

If traffic information has been received, then traffic incidents such as roadworks, road blocks, local area reports (e.g. fog) and warning messages are displayed.

The traffic delay is displayed for the current route. Traffic delays lasting one minute or longer are taken into consideration.

Displaying hazard warnings with Car-to-X-Communication

If hazard warnings are available these can be shown as symbols on the map. The display depends on the settings for the Traffic and Traffic incidents options.

▶ Set the options.

If Traffic is switched off and Traffic incidents is switched on, the symbols are shown on the prospective route.

Displaying weather information and other map contents

▶ Select ⚙.

▶ Select Advanced.

▶ Select View.

▶ Select Map elements.

▶ Scroll up and show the ONLINE MAP CONTENTS category.

▶ Switch on a service, e.g. Weather.

Current weather information is displayed on the navigation map, e.g. temperature or cloud cover.

Parking service

NOTE Damage to the vehicle due to not observing the maximum permitted headroom clearance

If the vehicle height is greater than the maximum permitted headroom clearance, the roof and other parts of the vehicle may be damaged.

- Observe the signposted headroom clearance.
- If the vehicle height is greater than the permitted headroom clearance, do not enter.
- Observe the changed vehicle height with add-on roof equipment.

NOTE Before selecting the parking option

The data is based on information provided by the respective service provider.

Mercedes Benz accepts no liability for the accuracy of the information provided relating to the multi-storey car park/parking area.

- Always observe the local Information and conditions.

ⓘ This service is not available in all countries.

- Select ☼ and activate Parking.
- Tap on P in the map.
- 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 multi-storey car park/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 the parking meter)
  - Services/facilities at the parking option
  - Telephone number
- Calculate the route (→ page 330).

Notes on the dashcam

NOTE Before using the dashcam

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. Therefore, observe the legal requirements, in partic-

ular the data protection regulations, in your country.

For this reason, before using the dashcam inform yourself about the regulation details for the respective country.

This function is not permitted in all countries.

▶ Observe the country-specific regulations.

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:

→ ⌂ ⏩ Mercedes me & Apps ⏩ Dashcam

▶ Select the USB device.

ⓘ 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 video recording with the dashcam

Requirements:

- A USB device is connected with the multimedia system .
- The vehicle is switched on.

Multimedia system:

→ ⌂ ⏩ Mercedes me & Apps ⏩ Dashcam

▶ If several USB devices are connected with the multimedia system, select a USB device (→ page 334).

▶ Select the Individual recording or Loop recording recording mode.
If Individual recording is selected and the memory is full the recording stops.

If Loop recording has been selected, several short video files are recorded. When the memory limit is reached, the oldest video file is deleted and recording is continued automatically.

▶ **To start:** select Start recording.
The length of the recording is shown. The Please do not remove the storage medium. message appears. The video file is stored on the USB device.

▶ **To end:** select End recording.

A report may appear in the following cases:

- For the Individual recording recording mode: 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.
- If a video recording has started and a national border is detected, the National border crossed. Please observe the countryspecific regulations regarding video recording. message appears.

  This function is not available in all countries.
- The camera is not functional, the Camera unavailable message appears.

Have the camera checked in a Mercedes-Benz service centre.

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 an accident from operating mobile communication equipment while the vehicle is in motion

Mobile communications devices distract the driver from the traffic situation. This could also cause the driver to lose control of the vehicle.

- As the driver, only operate mobile communications devices when the vehicle is stationary.
- As a vehicle occupant, only use mobile communications devices in the areas intended for this purpose, e.g. in the rear passenger compartment.

You must observe the legal requirements for the country in which you are currently driving when operating mobile communication equipment in the vehicle.

WARNING Risk of injury due to objects being stowed incorrectly

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

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

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

Observe the additional information on stowing mobile communications devices correctly:

- Loading the vehicle (→ page 118)

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. Full functionality is only available if the mobile phone supports both of the following Bluetooth® profiles:

- 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.

Irrespective of this, Bluetooth® audio functionality can by 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 a Mercedes-Benz service centre 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. Battery status of the connected mobile phone
4. Signal strength of the mobile phone network
5. Options
6. Device manager
7. Messages
8. Numerical pad
9. 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 the mobile phone in the foreground.
  - You can receive incoming calls and messages with the mobile phone in the background.

    You can interchange the mobile phone in the foreground and background.
- A mobile phone is connected as the car phone.

Connecting a mobile phone

Requirements:

- Bluetooth® is activated on the mobile phone (see the manufacturer's operating instructions).
- Bluetooth® is activated on the multimedia system.

Multimedia system:

→ Home » Phone

Searching for a mobile phone

▶ Select .

▶ Select Connect new device.

Connecting a mobile phone

Authorisation follows using secure simple pairing.

▶ 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:

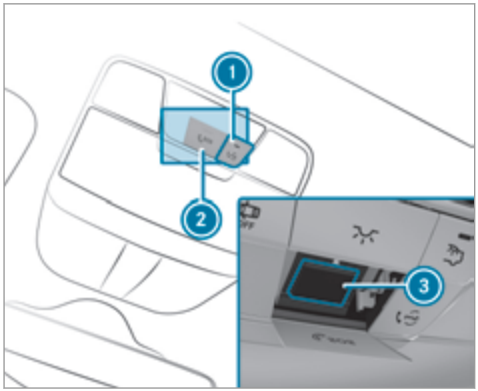
- Making calls, e.g.:
  - Accept a call
  - End call
  - Create conferen. call
  - Accepting or rejecting a waiting call
- Managing contacts, e.g.:
  - Downloading mobile phone contacts
  - Managing the format of a contact's name
  - Saving a contact as a favourite
- Receiving and sending messages, e.g.:
  - Using the read-aloud function
  - Dictating a new message

Mercedes me app

Mercedes me calls

Making a call via the overhead control panel

ⓘ Mercedes me calls are not possible in every country. Find out at a Mercedes-Benz service centre if these functions are available in your country.



① me button for 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 Centre has been initiated via the me button in the overhead control panel or the multimedia system (→ page 338).

Using the voice dialogue system you access the desired service:

- Accident and Breakdown Management
- Mercedes-Benz Customer Centre for general information about the vehicle

You can find information on the following topics:

- Activation of Mercedes me connect
- Operating the vehicle
- Nearest Mercedes-Benz service centre
- Other products and services from Mercedes-Benz

Data is transferred during the connection to the Mercedes-Benz Customer Centre (→ page 341).

Calling the Mercedes-Benz Customer Centre using the multimedia system

Requirements:

- Access to a mobile phone network is available.
- The contract partner's mobile network coverage is available in the respective region.
- The vehicle must be switched on so that vehicle data can be transferred automatically.

Multimedia system:

↳ ⌂ ▸▸ Phone ▸▸ 👥

▶ Call Mercedes me connect.
After confirmation, the multimedia system sends the required vehicle data. The data transfer is shown in the media display.

Then, you can select a service and be connected to a specialist at the Mercedes-Benz Customer Centre.

Calling the Mercedes-Benz Customer Centre after automatic accident or breakdown detection

Requirements:

- The vehicle has detected an accident or breakdown situation.
- 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.

In the event an accident or breakdown is detected, the emergency guide shows safety notes in the multimedia system display.

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 Centre.

▶ 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 343).
- The Mercedes-Benz Customer Centre takes your call and organises 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.

ⓘ In addition, if the Mercedes me connect service "Telediagnostics" 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 Centre or have already received support, this prompt can be ignored or declined.

ⓘ If you answer the prompt for support from the Mercedes-Benz Customer Centre with Later, the message will be hidden and appear again later.

The prompt triggered by the Mercedes me connect service "Telediagnostics", 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 Centre. You will then receive individual recommendations regarding the maintenance of your vehicle.

Regardless of whether you have consented to the maintenance management service, the multimedia system reminds you after a certain amount of time that a service is due. A prompt appears asking if you would like to make an appointment.

▶ **To arrange a service appointment:** select Call. After your agreement, the vehicle data is transferred and the Mercedes-Benz customer centre takes your preferred appointment date. The information is then sent to your desired service outlet.

This will contact you to confirm the appointment and if necessary consult about the details.

ⓘ If you select Later after the service message appears, the message is hidden and reappears at a later time.

Giving consent to data transfer during a Mercedes me call

Requirements:

- There is an active Mercedes me call via the multimedia system or the me button in the overhead control panel (⟶ page 338).

ⓘ The prompt to confirm data transfer does not appear in all countries.

If the Accident and Breakdown Management services are not activated on Mercedes me, the Do you want to transmit vehicle data and the vehicle's position to the Mercedes-Benz Customer Centre in order to improve the processing of your request? message is shown.

▶ Select Yes.
Relevant identification data is transmitted automatically.

More information on Mercedes me: https://www.mercedes.me

Transferred data during a Mercedes me call

When you make a service call via Mercedes me, data is transmitted. This enables targeted advice and a smooth 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.

ⓘ A prompt for consent to the data transmission only occurs if the corresponding Mercedes me connect service is not activated.

Data transfer if Mercedes me connect services are not activated

If no Mercedes me connect services are activated and the data protection prompt has been confirmed the following data is transmitted:

- Vehicle identification number
- Time of the call
- Reason for the initiation of the call
- Confirmation of the data protection prompt
- Country indicator of the vehicle
- Set language for the multimedia system
- Telephone number of the communication platform installed in the vehicle

If a call is made for a service appointment via the service reminder, the following data is also transmitted:

- Current mileage and maintenance data

If a call is made after automatic accident or breakdown detection using the multimedia system, the following data is also transmitted:

- Current mileage and maintenance data
- Current vehicle location

If Accident and Breakdown Management is called via the voice control system and no service has been activated, but the data protection query has been confirmed, the following data can also be called up from the vehicle by the Mercedes-Benz Customer Centre:

- Current vehicle location

If the data protection prompt has been rejected, the following data is transmitted to enable targeted advice and an efficient service:

- Reason for the initiation of the call
- Rejection of the data protection prompt
- Country indicator of the vehicle
- Set language for the multimedia system
- Telephone number of the communication platform installed in the vehicle

Data transfer if Mercedes me connect services are activated

Only if the respective service is activated will additional incident-specific data be transmitted in the second stage to enable an optimal service.

An overview of the data transmitted can be found in the respective terms of use for Mercedes me connect services. These can be obtained in the Mercedes me portal: https://me.secure.mercedes-benz.com

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 Centre and, if required to process the incident, forwarded to the service partner authorised by the Mercedes-Benz Customer Centre. Please 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 Centre.

ⓘ The recorded message is not available in every country.

Mercedes me connect

Information on Mercedes me connect

ⓘ Mercedes me connect or individual Mercedes me connect services are not available in every country. Find out at a Mercedes-Benz service centre if these functions are available in your country.

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 centre are available to you around the clock.

The me button and the SOS button can be found on the vehicle's overhead control panel (→ page 338).

You can also call the Mercedes-Benz Customer Centre using the multimedia system (→ page 339).

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 347).

Observe the conditions of use for Mercedes me connect and other services. These can be obtained in the Mercedes me Portal: https://me.secure.mercedes-benz.com

Further information about Mercedes me connect, the provided service scope and operation: https://moba.i.daimler.com/markets/ece-row/baix/cars/connectme/en_GB/#emotions/Startseite.html

Information on Mercedes me connect Accident and Breakdown Management

The Accident and Breakdown Management can include the following functions:

- Supplement to the Mercedes-Benz emergency call system (→ page 347)

  If necessary, the contact person at the Mercedes-Benz emergency call centre forwards the call to Mercedes me connect Accident and Breakdown Management. Forwarding the call is however not possible in all countries.
- Breakdown assistance by a technician on location and/or the towing away of the vehicle to the nearest Mercedes-Benz service centre

  You may be charged for these services.
- Addition to the emergency guide after automatic accident or breakdown detection (→ page 340)

  In the event of a breakdown or accident, further vehicle data is sent which enables optimal support by the Mercedes-Benz Customer Centre and the authorised service partner or breakdown assistance.
- Addition to the Mercedes me connect service Telediagnostics

  With the Telediagnostics function, specific wear and failure reports are recorded by the service provider, in so far as these can be clearly interpreted and are available through the monitoring of components that are subject to diagnostics.

  If your vehicle detects a breakdown or threat of a breakdown, you may be prompted via the multimedia system to contact the Mercedes-Benz Customer Centre for further help. This prompt in the multimedia system only appears when the vehicle is stationary.

ⓘ These 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.

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 a Mercedes-Benz service centre or visit the Mercedes me portal: https://me.secure.mercedes-benz.com

ⓘ Make sure you always keep the Mercedes me apps updated.

You can call up the menu using Mercedes me & Apps in the multimedia system.

In the Mercedes me & Apps menu, the following options can be available:

- Connecting the vehicle with the Mercedes me user account
- Deleting a connection between a Mercedes me user account and the vehicle
- Calling up the Mercedes me services
- Calling up apps such as, In-Car Office or the web browser depending on availability

Overview of In-Car Office

Using In-Car Office, you can connect your online services with the multimedia system.

Requirements for In-Car Office:

- Your mobile phone is connected with the multimedia system (→ page 338).
- You have a user account for the Mercedes me Portal.
- The In-Car Office service is activated in the Mercedes me Portal.
- You have a user account with an online service, e.g. with Office 365 or Gmail, and have connected the user account with In-Car Office.

In-Car Office functions

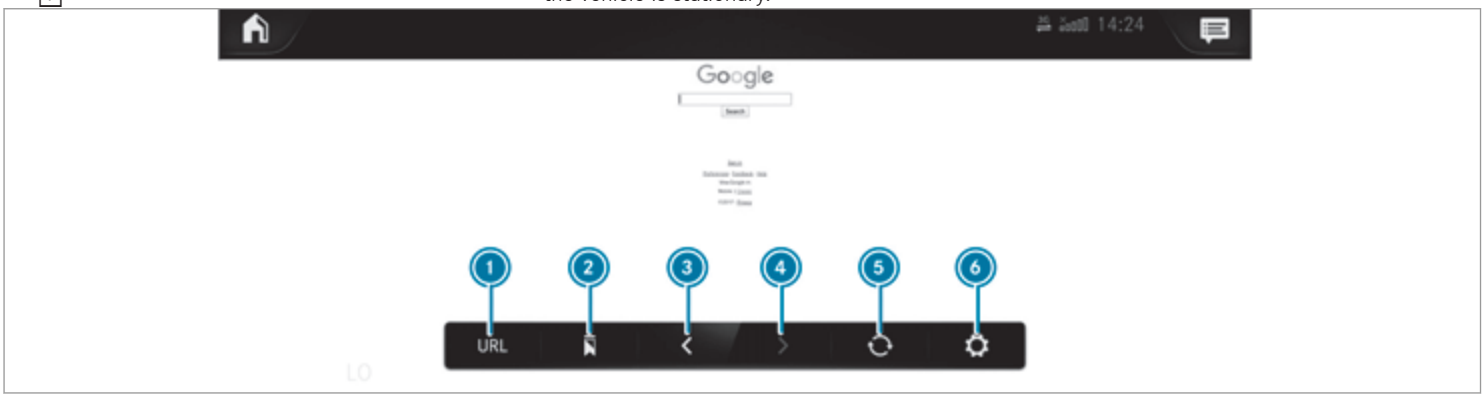
- Display pending appointments in the calendar
  - Reading out calendar entries
  - Calling stored telephone numbers
  - Navigating to appointments with navigable destinations
  - Deleting a calendar entry
- Display and selection of tasks and calls to complete
  - Reading aloud

  - Calling stored telephone numbers
  - Deleting
- Noting calls
  - Declining incoming calls and saving as a task in the Tasks & calls menu
- Marking entry in Tasks & calls as completed ☑
- Managing e-mails
  - Showing/reading e-mails
  - Writing and forwarding e-mails

ⓘ You can start the In-Car Office function using the Mercedes me & Apps menu. Please note that certain functions are only available when the vehicle is stationary.

Web browser overview

The web browser is started using the Mercedes me & Apps menu.



1. URL entry
2. Bookmarks
3. Web page, back
4. Web page, forwards
5. To refresh/stop
6. Options

ⓘ 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 connection. The appropriate application must be downloaded on the mobile phone to use Smartphone Integration. The mobile phone must be switched on and connected to a USB port with the  symbol on the multimedia system using a suitable cable.

Apps for Smartphone Integration

- Apple CarPlay®
- Android Auto

ⓘ For safety reasons, the first activation of Smartphone Integration on the multimedia system must be carried out when the vehicle is stationary and the parking brake is applied.

You can start Apple CarPlay® or Android Auto from the device manager.

ⓘ Mercedes-Benz recommends disconnecting 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 (anonymised)

The transfer of this data is used to optimise communication between the vehicle and the mobile phone.

To do this, and to assign several vehicles to the mobile phone, a vehicle identifier is randomly generated.

This has no connection to the vehicle identification number (VIN) and is deleted when the multimedia system is reset (→ page 325).

The following driving status data is transmitted:

- Transmission position engaged
- Distinction between parked, standstill, rolling and driving
- Day/night mode of the instrument cluster
- Drive type

The transfer of this data is used to alter how content is displayed to correspond to the driving situation.

The following position data is transmitted:

- Coordinates
- Speed
- Compass direction
- Acceleration direction

This data is used by the mobile phone to improve the accuracy of the navigation (e.g. for continuation in a tunnel).

Mercedes-Benz emergency call system

Information on the Mercedes-Benz emergency call system

The Mercedes-Benz emergency call system only functions in areas where mobile phone coverage is available from the relevant contract partner. Insufficient network coverage from the relevant contract partner may result in an emergency call not being transmitted.

The vehicle must be switched on before an automatic emergency call can be made.

ⓘ The Mercedes-Benz emergency call system is activated at the factory. Using the Mercedes-Benz emergency call system is free of charge.

Overview of the Mercedes-Benz emergency call system

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

The emergency call can be made automatically (→ page 347) or manually (→ page 348). Only make emergency calls if you or others are in need of rescue. Do not make an emergency call in the event of a breakdown or a similar situation.

You can find more information on the regional availability of eCall at: https://www.mercedes-benz-mobile.com/extra/ecall/

Messages on the display

The following messages appear in the display:

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

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

  The functional readiness of the emergency call system on the vehicle can be seen when the SOS NOT READY display disappears once the vehicle is switched on.
- SOS: The icon appears in the display during an active emergency call.

ⓘ If there is a malfunction in the Mercedes-Benz emergency call system (e.g. a fault with the speaker, microphone, airbag, SOS button), a corresponding message appears on the display in the instrument cluster.

Triggering an automatic Mercedes-Benz emergency call

Requirements:

- The vehicle is switched on.
- The starter battery is sufficiently charged.

The Mercedes-Benz emergency call system triggers an emergency call automatically in the following cases:

- After activation of the restraint systems such as airbags or seat belt tensioners after an accident

The emergency call has been made:

- A voice connection is made to the Mercedes-Benz emergency call centre.
- A message with accident data is transmitted to the Mercedes-Benz emergency call centre.

  The Mercedes-Benz emergency call centre can transmit the vehicle position data to one of the public emergency services call centres.
- Under certain circumstances data is also transmitted in the voice channel to the Mercedes-Benz emergency call centre.

  This allows measures for rescue, recovery or towing to a Mercedes-Benz Service Centre to be initiated quickly.

The SOS button in the overhead control panel flashes until the emergency call is finished.

It is not possible to immediately end an automatic emergency call.

If the Mercedes-Benz emergency call system cannot connect to the Mercedes-Benz emergency call centre, the emergency call is automatically sent to the public emergency services call centre.

If no connection can be made to the public emergency services, a corresponding message appears in the display.

▶ Dial the emergency number **112** 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 centre 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 and hold the SOS button for at least one second (→ page 338).

▶ **To use voice control:** use the LINGUATRONIC voice commands .

The emergency call has been made:

- A voice connection is made to the Mercedes-Benz emergency call centre.
- A message with accident data is transmitted to the Mercedes-Benz emergency call centre.

  The Mercedes-Benz emergency call centre can transmit the vehicle position data to one of the public emergency services call centres.
- Under certain circumstances data is also transmitted in the voice channel to the Mercedes-Benz emergency call centre.

  This allows measures for rescue, recovery or towing to a Mercedes-Benz Service Centre to be initiated quickly.
- Remain in the vehicle if the road and traffic conditions permit you to do so until a voice

connection is established with the emergency call centre operator.

- Based on the call, the operator decides whether it is necessary to call rescue teams and/or the police to the accident site.

If the Mercedes-Benz emergency call system cannot connect to the Mercedes-Benz emergency call centre, the emergency call is automatically sent to the public emergency services call centre.

If no connection can be made to the public emergency services, a corresponding message appears in the media display.

▶ Dial the emergency number **112** on your mobile phone.

Ending an unintentionally triggered manual Mercedes-Benz emergency call

▶ **Using the multifunction steering wheel:** select ☎.

Data transfer of the Mercedes-Benz emergency call system

In the event of an automatic or manual emergency call the following data is transmitted, for example:

- Vehicle's GPS position data
- GPS position data on the route (a few hundred metres before the incident)
- Direction of travel
- Vehicle identification number
- Vehicle drive type
- Number of people determined to be 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

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.

ⓘ For Russia: various functions, e.g. receiving traffic information, cannot be performed for up to two hours after sending an emergency call.

Self diagnosis function of the emergency call system

Your car verifies the operability of the emergency call system each time the vehicle is ON. In case of system failure, you will be informed with text message on the instrument cluster and with red indicator SOS NOT READY on the display.

Please, make sure, that during 30 seconds after switching vehicle ON the red indicator SOS NOT READY in the upper right corner of display is

switched OFF, this means the emergency call system passed diagnostics successfully.

Starting/ending ERA-GLONASS test mode

Requirements:

- The starter battery is sufficiently charged.
- The vehicle is switched on.
- The vehicle has been stationary for at least one minute.

ⓘ The test mode is currently available in the following countries, for example:

- Russia
- Belarus
- Kazakhstan
- Armenia
- Kyrgyzstan

▶ **To start the test mode:** press and hold the button on the multifunction steering wheel for at least five seconds.
The test mode is started and automatically ends after the language test has been performed.

▶ **To stop manual test mode:** switch off the vehicle.
The test mode is ended.

Radio, media & TV

Overview of the symbols and functions in the media menu

Symbol	Designation	Function
	Play	Select to start or continue playback.
	Rest	Select to pause the playback.
	Repeat a track	Select to repeat the current track or the active playlist. • Select once: the active playlist is repeated. • Select twice: the current track is repeated. • Select three times: the function is deactivated.
	Random playback	Select to play back the tracks in random order.
	Skip forwards/back	Select to skip to the next or to the previous track.
	Options	Select to show additional options.
	Categories	Select to show or search through available categories (e.g. playback lists, albums, artists, etc.).
	Search	Select to search in the active menu. You can search for artists, genres or moods, for example.

Symbol	Designation	Function
	Settings	Select to make settings.
	Home	Select to return to the home screen.
	Messaging	Select to call up messaging.
	Full screen	Select to switch to full screen mode.

The following functions and settings are available in the media menu:

- Connecting external data storage media with the multimedia system (e.g. using USB or Bluetooth®)
- Playing back audio or video files
- Streaming online music
- Looking at TV programmes in the TV menu

Additional functions in the TV menu

Symbol	Designation	Function
	Settings	Select to make settings in the TV menu. The following functions can be switched on/off or configured: • Channel fix • Country-specific character set • Audio language • Subtitles • Teletext • Picture format
	EPG	Select to show current programme information for the channel.
	Channel list	Select to show a list of available channels with the current programme.

Authorising a Bluetooth® audio device for media playback

Requirements:

- Bluetooth® is activated on the multimedia system and audio equipment.
- The audio equipment supports the Bluetooth® audio profiles A2DP and AVRCP.
- The audio equipment is "visible" for other devices.

Multimedia system:

Media Bluetooth

With Bluetooth® audio, you can play back music files from an external data storage medium, e.g. your smartphone, using the MBUX multimedia system.

- To play back audio files using the multimedia system, authorise the external data storage medium on the MBUX multimedia system.

Authorising a new Bluetooth® audio device

- Select Connect new device.
- Select an audio device.
  Authorisation starts. A code is displayed on the multimedia system and on the mobile phone.
- If the codes are identical, confirm on the audio equipment.
- Select Only as Bluetooth audio device.
  The Bluetooth® audio equipment is connected with the multimedia system.

Connecting previously authorised Bluetooth® audio equipment

- Select a Bluetooth® audio device from the list.
  The connection is being established.

Receiving TV channels in HD quality

NOTE Damage to the CI+ module and Smart Card

The CI+ module is designed for use in the home. The CI+ module can overheat and be damaged by continuous exposure to high outside temperatures.

- Make sure that the CI+ module is not subject to high temperatures for extended periods of time.
  If the CI+ module is damaged, no encrypted channels can be received.

ⓘ The CI+ module is not available in all countries.

A CI+ module (Common Interface Module), which is not included in the scope of delivery, is used to decrypt HD programmes according to the CI+ standard.

In some countries, an additional smart card is required, which is inserted into the CI+ module (see the manufacturer's operating manual).

The CI+ module is connected in the CI+ box in the glove compartment.

- **To insert the smart card in the CI+ module:** if required (country-dependent), insert the smart card into the CI+ module slot.

ⓘ The CI+ box is designed for operation at temperatures between 0 °C and 65 °C. At operating temperatures that are higher or too low a message appears in the multimedia system and the CI+ module is switched off automatically. If the CI+ module is switched off, no encrypted channels can be received.

Overview of the symbols and functions in the radio menu

Symbol	Designation	Function
	Home	Select to return to the home screen.
	Messaging	Select to call up messaging.
	Skip forwards/back	Select to skip to the next or to the previous station.
	Settings	Select to have further options shown. Settings can be made to the following additional functions, for example: • Navigation and traffic announcements • Frequency fix function • Radio additional text • Emergency warnings The setting options are country-dependent.
	Full screen	Select to switch to the DAB slide show. This function is not available in all countries.
	Silent function	Select to switch off the sound.
	Store radio stations	Select to save a station in the presets.

Symbol	Designation	Function
	Station list	Select to have the station list shown.
	Search	Select to search in the active menu. You can search for artists, genres or moods, for example.

Additional functions of TuneIn radio

ⓘ A relatively large volume of data can be transmitted when using TuneIn Radio.

Symbol	Designation	Function
	Settings	The following additional settings are available in the TuneIn Radio menu: • Selecting stream • Logging on to or out of the TuneIn account
	Favourites	Select during playback to save the station currently set as a favourite.

Symbol	Designation	Function
▶ / ⏸	Play/Pause	Select to start, stop or continue playback.
☰♪	Browse	Select to choose a category and then a radio station.

Depending on the frequency band selected, different functions are available to you.

Select the desired frequency band in the radio menu head runner.

Calling up TuneIn Radio

Requirements:

- A Mercedes me account is available.
- The vehicle is connected with the Mercedes me account.
- The TuneIn Radio service is activated in the Mercedes me Portal.
- The data volume is available.

  Depending on the country, data volume may need to be purchased.
- A fast Internet connection for data transmission free of interference.

ⓘ Data volume can be purchased **directly from a mobile phone network provider** via the Mercedes me Portal.

ⓘ The functions and services are country-dependent. For more information, consult a Mercedes-Benz service centre.

Multimedia system:

↳ ⌂ ▸▸ Radio

▶ Select TuneIn Radio.
The TuneIn menu appears. The last station set starts playing.

ⓘ The connection quality depends on the local mobile phone reception.

Sound settings

Overview of functions in the sound menu

The setting options and functions available depend on the sound system fitted. You can find out which sound system is fitted in your vehicle in the Digital Owner's Manual.

Standard sound system and Advanced sound system

The following functions are available:

- Equaliser
  - Treble, mid-range and bass
- Balance and fader
- Volume
  - Automatic adjustment

Burmester® surround sound system and Burmester® high-end 3D surround sound system

The following functions are available:

- Equaliser:
  - Treble, mid-range and bass
- Balance and fader
- Sound focus
- VIP seat (Burmester® high-end 3D surround sound system only)
- 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 instrument display informs you of the time or distance remaining before the next service due date.

You can hide this service display using the back button ⮌ on the left-hand side of the steering wheel.

Depending on how the vehicle is used, the ASSYST PLUS service interval display may shorten the service interval, e.g. in the following cases:

- Mainly short-distance driving
- When the engine is often left idling for long periods
- In the event of frequent cold start phases
- **Vehicles with a diesel particulate filter:** in the event of frequently interrupted regeneration of the diesel particulate filter

Mercedes-Benz recommends avoiding such operating conditions.

You can obtain information concerning the servicing of your vehicle from a qualified specialist workshop, e.g. a Mercedes-Benz service centre.

Displaying the service due date

On-board computer:

⮡ Service ⏩ ASSYST PLUS

The next service due date is displayed.

▶ **To exit the display:** press the back button ⮌ on the left-hand side of the steering wheel.

Bear in mind the following related topic:

- Operating the on-board computer (→ page 283).

Information on regular maintenance work

! **NOTE** Premature wear through failure to observe service due dates

Maintenance work which is not carried out at the right time or incompletely can lead to increased wear and damage to the vehicle.

▶ Adhere to the prescribed service intervals.

▶ Always have the prescribed maintenance work carried out at a qualified specialist workshop.

Notes on special service requirements

The prescribed service interval is based on normal operation of the vehicle. Have the maintenance work carried out more often than prescribed if operating conditions are difficult or the vehicle is subject to increased stress.

The ASSYST PLUS service interval display is only an aid. The driver of the vehicle bears responsibility as regards to whether maintenance work needs to be performed more often than specified based on the actual operating conditions and/or loads.

Examples of arduous operating conditions:

- Regular city driving with frequent intermediate stops
- Mainly short-distance driving

- Frequent operation in mountainous terrain or on poor road surfaces
- When the engine is often left idling for long periods
- Operation in particularly dusty conditions and/or if air-recirculation mode is frequently used

In these or similar operating conditions, have the interior air filter, air filter, engine oil and oil filter, for example, changed more frequently. The tyres must be checked more frequently if the vehicle is operated under increased loads. Further information can be obtained at a qualified specialist workshop.

Battery disconnection periods

The ASSYST PLUS service interval display can calculate the service due date only when the battery is connected.

▶ Display and note down the service due date on the instrument display before disconnecting the battery (→ page 359).

Engine compartment

Active bonnet (pedestrian protection)

Operation of the active bonnet (pedestrian protection)

In certain accident situations, the actuation of the active bonnet reduces the risk of injury to pedestrians. The rear area of the bonnet is raised by approximately 80 mm.

After being triggered, the active bonnet remains in the raised position. Limited visibility due to the raised bonnet cannot be ruled out.

After the active bonnet has been actuated, pedestrian protection may be limited.

Have the full functionality of the active bonnet restored immediately in a qualified specialist workshop.

If necessary, adjust your seat position and drive carefully to a qualified specialist workshop. If a safe continued journey is not possible, contact a qualified specialist workshop.

Opening and closing the bonnet

WARNING Risk of accident due to driving with the bonnet unlocked

The bonnet may open and block your view.

▶ Never release the bonnet when driving.

▶ Before every trip, ensure that the engine bonnet is locked.

WARNING Risk of accident and injury when opening and closing the bonnet

The bonnet may suddenly drop into the end position.

There is a risk of injury for anyone in the engine bonnet's range of movement.

▶ Do not open or close the bonnet if there is a person in the bonnet's range of movement.

WARNING Risk of burns when opening the bonnet

If you open the bonnet in the event of an overheated engine or fire in the engine compartment, the following situations may occur:

- You may come into contact with hot gases.
- You may come into contact with other escaping hot operating fluids.

▶ Before opening the bonnet, allow the engine to cool down.

▶ In the event of a fire in the engine compartment, keep the bonnet closed and call the fire service.

WARNING Risk of injury due to moving parts

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

Observe the following if you must open the bonnet:

▶ Switch off the vehicle.

▶ Never touch the danger zones surrounding moving components, e.g. the rotation area of the fan.

▶ Remove jewellery and watches.

▶ Keep items of clothing and hair away from moving parts.

WARNING Risk of injury from touching components under voltage

The ignition system and the fuel injection system operate at high voltage. You could receive an electric shock.

▶ Never touch ignition system or fuel injection system components when the vehicle is switched on.

The live components include the following, for example:

- Ignition coils
- Fuel injectors
- Electric lines to the ignition coils and the fuel injectors

WARNING Risk of burns from hot component parts in the engine compartment

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

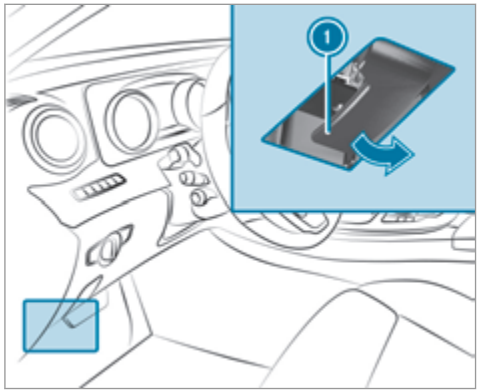
▶ Allow the engine to cool down and only touch component parts described in the following.

WARNING Risk of injury from using the windscreen wipers when the bonnet is open

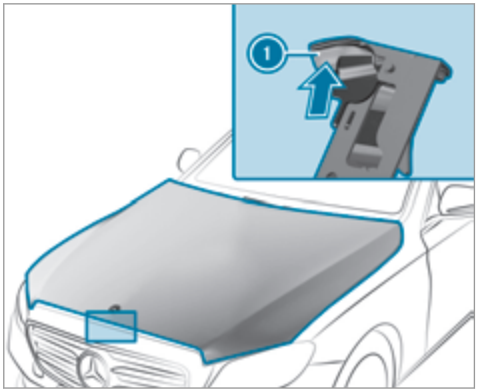
If the windscreen wipers start moving when the bonnet is open, you could be trapped by the wiper linkage.

▶ Always switch off the windscreen wipers and the vehicle first if you need to open the bonnet.

Opening the bonnet



▶ To release the bonnet, pull on handle (1).



▶ Push handle (1) of the bonnet catch upwards and lift the bonnet until it opens automatically.

Closing the bonnet

▶ Lower the bonnet to a height of around 20 cm and then allow it to fall, applying a little force as you let it go.

▶ If the bonnet can still be lifted slightly, open the bonnet again and close it with a little more force until it engages correctly.

Engine oil

Checking the engine oil level using the oil dipstick

⚠ WARNING Risk of burns from hot component parts in the engine compartment

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

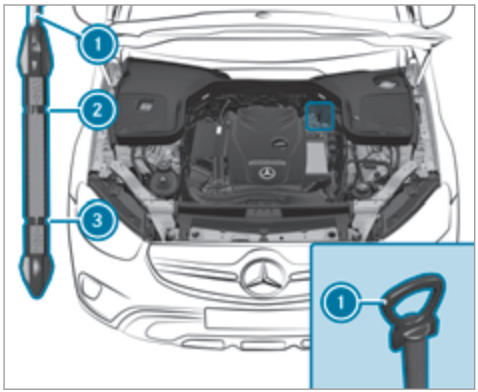
▶ Allow the engine to cool down and only touch component parts described in the following.

Requirements:

- The engine has an oil dipstick. If not, the engine oil level can be checked only with the on-board computer (→ page 363) .

Depending on the engine, the oil dipstick may be installed in the engine compartment in different locations.

The waiting time before checking the oil level when the engine is at normal operating temperature is five minutes.



- ▶ Park the vehicle on a level surface.
- ▶ Pull oil dipstick (1) out and wipe off.
- ▶ Slowly slide oil dipstick (1) into the guide tube to the stop, and pull it out again after approximately three seconds.
  - Oil level is correct: oil level is between (2) and (3).
  - Oil level too low: oil level is at (3) or below.
  - Oil level too high: oil level is above (2).
- ▶ If the oil level is too low, top up with 1 litre of engine oil.
- ▶ If the oil level is too high, drain off excess engine oil. Consult a qualified specialist workshop.

Checking the engine oil level using the on-board computer

Requirements:

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

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

On-board computer:

↝ Service ▸▸ Engine oil level

One of the following messages will appear on the instrument display:

- Engine oil level Measuring now: measurement of the oil level is not yet possible.
  - ▶ Repeat the request after a maximum of 30 minutes' driving.
- Engine oil level OK and the bar display for indicating the oil level on the instrument display is green and is between "min" and "max": the oil level is correct.
- Engine oil level Add 1,0 l and the bar display for indicating the oil level on the instrument display is orange and is below "min":
  - ▶ Add 1 l of engine oil.
- Reduce engine oil level and the bar display for indicating the oil level on the instrument display is orange and is above "max":

▶ Drain off any excess engine oil that has been added. To do so, consult a qualified specialist workshop.

- For engine oil level turn on ignition

▶ Switch on the vehicle to check the engine oil level.

- Engine oil level System inoperative: The oil level sensor is defective or not connected.

▶ Consult a qualified specialist workshop.

- Engine oil level System currently unavail.

▶ Close the bonnet.

Topping up engine oil

⚠ WARNING Risk of burns from hot component parts in the engine compartment

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

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

⚠ WARNING Risk of fire and injury from engine oil

If engine oil comes into contact with hot component parts in the engine compartment, it may ignite.

▶ Make sure that no engine oil is spilled next to the filler opening.

▶ Allow the engine to cool off and thoroughly clean the engine oil from component parts before starting the vehicle.

! NOTE Engine damage caused by an incorrect oil filter, incorrect oil or additives

▶ Do not use engine oils or oil filters which do not correspond to the specifications explicitly prescribed for the service intervals.

▶ Follow the instructions on the service interval display for changing the engine oil and observe the prescribed change intervals.

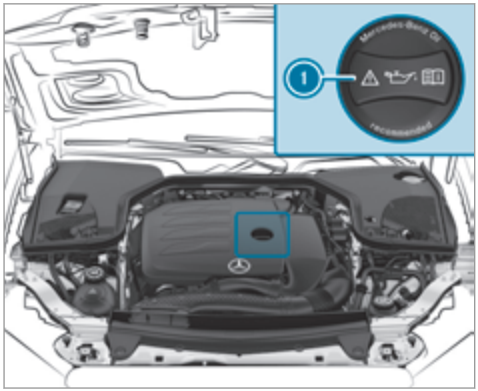
▶ Do not use additives.

! NOTE Damage caused by topping up too much engine oil

Too much engine oil can damage the engine or the catalytic converter.

▶ Have excess engine oil removed at a qualified specialist workshop.

ⓘ Depending on driving style, the vehicle consumes up to 0.8 litre of oil per 1000 km. The oil consumption may be higher than this when the vehicle is new or if you frequently drive at high engine speeds.



- Turn cap (1) anti-clockwise and remove it.
- Top up the engine oil.
- Replace cap (1) and turn it clockwise until it engages.
- Check the oil level again (→ page 362).

Checking the coolant level

WARNING Risk of burns from hot component parts in the engine compartment

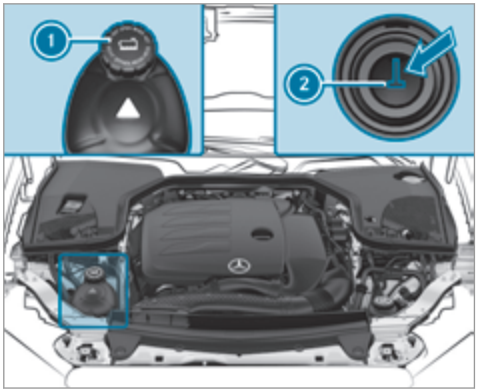
Certain component parts in the engine compartment can be very hot, e.g. the engine, the cooler and parts of the exhaust system.

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

WARNING Risk of scalding from hot coolant

If you open the cap, you could be scalded.

- Let the motor cool down before opening the cap.
- When opening the cap, wear protective gloves and safety glasses.
- Open the cap slowly to release pressure.



- Park the vehicle on a level surface.
- Check the coolant temperature display in the instrument cluster.
  The coolant temperature must be below 70°C.
- Slowly turn cap (1) anti-clockwise to release overpressure.
- Continue turning cap (1) anti-clockwise and remove it.

The coolant level is correct in the following cases:

- If the engine is cold, the coolant is up to marker bar (2).
- If the engine is warm, the coolant is up to 1.5 cm over the marker bar (2).

▶ If necessary, top up with coolant that has been approved for Mercedes-Benz.

ⓘ Further information on coolant (→ page 425)

Topping up the windscreen washer system

⚠ WARNING Risk of burns from hot component parts in the engine compartment

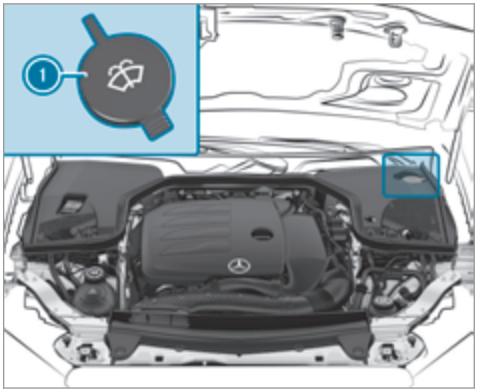
Certain component parts in the engine compartment can be very hot, e.g. the engine, the cooler and parts of the exhaust system.

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

⚠ WARNING - Risk of fire and injury due to windscreen washer concentrate

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

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



▶ Remove cap (1) by the tab.

▶ Top up the washer fluid.

ⓘ Further information about the windscreen washer fluid (→ page 426)

Keeping the air-water duct free

- Keep the area between the bonnet and the windscreen free of deposits, e.g. ice, snow and leaves.

Cleaning and care

Information on washing the vehicle in a car wash

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

Braking efficiency is reduced after washing the vehicle.

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

NOTE Damage from automatic braking

If one of the following functions is switched on, the vehicle brakes automatically in certain situations:

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

To avoid damage to the vehicle, deactivate these systems in the following or similar situations:

- during towing
- in 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 side windows and sliding sunroof are completely closed.
- The blower for the ventilation and heating is switched off.
- The windscreen wiper switch is in position 0.
- The key is at a minimum distance of 3 m away from the vehicle. Otherwise the boot lid could open unintentionally.
- For car washes with a conveyor system:

- Neutral N is engaged.
- If you would like to leave the vehicle while it is being washed, make sure the key is located in the vehicle. The park position P is otherwise automatically engaged.

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

Information on using a high-pressure cleaner

⚠ **WARNING** Risk of an accident when using high-pressure cleaners with round-spray nozzles

The water jet can cause externally invisible damage.

Components damaged in this way may unexpectedly fail.

- ▶ Do not use a high-pressure cleaner with round-spray nozzles.
- ▶ Have damaged tyres or chassis parts replaced immediately.

To avoid damage to your vehicle, observe the following when using a high-pressure cleaner:

- The key is at a minimum distance of 3 m away from the vehicle. Otherwise the boot lid could open unintentionally.
- Maintain a distance of at least 30 cm to the vehicle.
- **Vehicles with decorative foil:** Parts of your vehicle are covered with a decorative foil. Maintain a distance of at least 70 cm between the foil-covered parts of the vehicle and the nozzle of the high-pressure cleaner. Move the high-pressure cleaner nozzle around whilst cleaning. The water temperature of the high-pressure cleaner must not exceed 60 °C.
- Observe the information on the correct distance in the equipment manufacturer's operating instructions.
- Do not direct the nozzle of the high-pressure cleaner directly at sensitive parts, such as tyres, gaps, electrical components, batteries, light sources and ventilation slits.

Washing the vehicle by hand

! **NOTE** Engine damage due to water ingress

- ▶ Take care not to point the water jet directly towards the air inlet grille below the bonnet.

observe the legal requirements, e.g. in a number of countries, washing by hand is only permitted in specially designated wash bays.

- ▶ Use a mild cleaning agent, e.g. car shampoo.
- ▶ Wash the vehicle with lukewarm water using a soft car sponge. When doing so, do not expose the vehicle to direct sunlight.
- ▶ Carefully hose the vehicle off with water and dry using a chamois.

ⓘ Observe the notes on the care of car parts (→ page 370).

Notes on paintwork/matt finish paintwork care

To avoid damaging the paintwork and interfering with the driving assistance systems, please observe the following notes:

Paint

- Insect remains: soak with insect remover and rinse off the treated areas afterwards.
- Bird droppings: soak with water and rinse off afterwards.
- Tree resin, oils, fuels and greases: remove by rubbing gently with a cloth soaked in petroleum ether or lighter fluid.
- Coolant and brake fluid: remove with a damp cloth and clean water.
- Tar stains: use tar remover.
- Wax: use silicone remover.
- Do not attach stickers, films or similar materials. Only have film attached to the bumper at a qualified specialist workshop.
- Remove dirt immediately, where possible.

Matt 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 and light-alloy wheels.
- Only use car washes that correspond to the latest engineering standards.
- Do not use car wash programmes with a final hot wax treatment.
- Do not use paint cleaners, buffing or polishing products, gloss preservers, e.g. wax.

In the event of paintwork damage:

- Always have paintwork repairs carried out at a qualified specialist workshop.
- Make sure the radar sensors function (→ page 216).

Notes on cleaning decorative foils

Observe the notes on matt finish care in the chapter "Notes on paintwork/matt finish paintwork care" (→ page 368). They also apply to matt decorative foils.

Observe the notes on cleaning decorative foils to avoid vehicle damage.

Cleaning

- For cleaning, use plenty of water and a mild cleaning agent without additives or abrasive substances, e.g. a car shampoo approved for Mercedes-Benz.
- Remove dirt immediately, where possible, whilst avoiding rubbing too hard. There is otherwise a risk of damaging the decorative foil irreparably.
- If there is dirt on the finish or if the decorative foil is dull: use the Paint Cleaner recommended and approved for Mercedes-Benz.
- Insect remains: soak with insect remover and rinse off the treated areas afterwards.
- Bird droppings: soak with water and rinse off afterwards.
- To prevent water stains, dry a foil-wrapped vehicle with a soft, absorbent cloth after every car wash.

Avoiding damage to the decorative foil

- The service life and colouring of decorative foils are impaired by:
  - sunlight

- temperature, e.g. hot air blower
- weather conditions
- stone chippings and dirt
- chemical cleaning agents
- oily products

- Do not use polish on matt decorative foil. Polishing will have the effect of shining the foil-wrapped surface.
- Do not treat matt or structured decorative foils with wax. Permanent stains may occur.

Scratches, corrosive deposits, areas affected by corrosion and damage caused by incorrect care cannot always be completely repaired. In such cases, visit a qualified specialist workshop.

You can obtain more information on care and cleaning products from the manufacturer.

In the case of foil-wrapped surfaces, optical differences may occur between the surfaces that were not protected by a decorative foil after removing a decorative foil.

ⓘ Have work or repairs to decorative foils carried out at a qualified specialist workshop, e.g. in a Mercedes-Benz Service Centre.

Notes on care of car parts

⚠ **WARNING** Risk of entrapment if the windscreen wipers are switched on while the windscreen is being cleaned

If the windscreen wipers are set in motion while you are cleaning the windscreen or wiper blades, you can be trapped by the wiper arm.

▶ Always switch off the windscreen wipers and the vehicle before cleaning the windscreen or wiper blades.

⚠ **WARNING** Risk of burns from the tailpipe and tailpipe trims

The exhaust tailpipe and tailpipe trims can become very hot. If you come into contact with these parts of the vehicle, you could burn yourself.

▶ Always be particularly careful around the tailpipe and the tailpipe trims and supervise children especially closely in this area.

▶ Allow vehicle parts to cool down before touching them.

To avoid damage to the vehicle, observe the notes on cleaning and care of the following vehicle parts:

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 disks and brakepads, drive the vehicle for a few minutes after cleaning before parking it. The brake disks and brakepads warm up and dry out.

Windows

- 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 inside of windows.

ⓘ After changing the wiper blades or treating the vehicle with wax, clean the windscreen thoroughly with cleaning agents recommended for Mercedes-Benz. Failure to observe the application instructions may result in damage, smear marks or dazzling spots.

ⓘ Remove external fogging or dirt on the windscreen in front of the multifunction camera. Otherwise, driving systems and driving safety systems may be impaired or not available (→ page 216).

Wiper blades

- Move the wiper arms into the replacement position (→ page 144).
- With the wiper arms folded out, clean the wiper blades with a damp cloth.

ⓘ Make sure that the wiper blades are coated. The coating can leave residues 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.
- Only use cleaning agents or cleaning cloths that are suitable for plastic lenses.

Vehicle socket (high-voltage battery)

- Use clean water and a soft cloth to clean the vehicle socket.
- Do not use high-pressure cleaners or cleaning agents, such as soap.

Sensors

- Clean the sensors in the front and rear bumpers with a soft cloth and car shampoo (→ page 216).
- When using a high-pressure cleaner, maintain a minimum distance of 30 cm.

Reversing camera and 360° Camera

- To open the rear camera cover, switch on the vehicle.
- Use clean water and a soft cloth to clean the camera lens.
- Do not use a high-pressure cleaner.

Tailpipes

- Clean with a cleaning agent recommended for Mercedes-Benz, especially in the winter and after washing the vehicle.
- Do not use acidic cleaning agents.

Trailer hitch

- Observe the notes on care in the trailer hitch manufacturer's operator manual.
- Do not clean the ball neck with a high-pressure cleaner or solvent.
- Remove traces of rust on the ball, for example, with a wire brush.
- Remove dirt with a lint-free cloth.
- After cleaning, lightly oil or grease the ball head.

ⓘ Before using trailers with anti-torsional coupling, observe the manufacturer's operator 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.

To avoid damage to the vehicle, observe the following notes on cleaning and care:

Seat belts

- Clean with lukewarm and soapy water.
- Do not use chemical cleaning agents.
- Do not dry by heating them to over 80°C or exposing them to direct sunlight.

Display

- Switch off the display and let it cool down.
- Clean the surface carefully with a microfibre cloth and a suitable display care product (TFT-LCD).
- Do not use any other agents.

Head-up display

- Clean with a soft, non-static, lint-free cloth.
- Do not use cleaning agents.

Plastic trim

- Clean with a damp microfibre cloth.
- For heavy soiling: Use a cleaner 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 microfibre cloth.
- Black piano-lacquer look: Clean with a damp cloth and soapy water.
- For heavy soiling: Use a cleaner recommended for Mercedes-Benz.
- Do not use solvent-based cleaning agents, polishes or waxes.

Roof lining

- Clean with a brush or dry shampoo.

Carpet

- Use a carpet and textile cleaning agent recommended for Mercedes-Benz.

Steering wheel made of genuine leather or DINAMICA

NOTE Damage caused by wrong cleaners

- Do not use solvent-based cleaning agents such as tar remover or wheel

cleaner; neither should you use polishes or waxes. Otherwise you may damage the finish.

- Clean with a damp cloth and 1% soapy water solution and then wipe with a dry cloth.
- For heavy soiling: Use a cleaner recommended for Mercedes-Benz.
- Leather care: Use a leather care agent that has been recommended for Mercedes-Benz.
- Do not allow the leather to become too damp.
- Do not use a microfibre cloth.

ⓘ Leather is a natural product. It has natural surface properties, such as differences in structure, marks caused by growth and injury or subtle colour differences. These surface properties are characteristics of leather and not material faults. What's more, leather is subject to a natural ageing process during which the surface properties change.

Genuine leather seat covers

- Clean with a damp cloth and then wipe with a dry cloth.
- Leather care: Use a leather care agent that has been recommended for Mercedes-Benz.
- Do not allow the leather to become too damp.
- Do not use a microfibre cloth.

ⓘ Regular cleaning and care of the leather reduces soiling, wear marks and ageing damage and thus significantly extends its life span. Clothing that can leave stains, e.g. jeans, can leave discolouration on the leather.

DINAMICA seat covers

- Clean with a damp cloth.
- Do not use a microfibre cloth.

Imitation leather seat covers

- Clean with a damp cloth and 1% soapy water.
- Do not use a microfibre cloth.

Fabric seat covers

- Clean with a damp microfibre cloth and 1% soapy water and allow to dry.

EASY-PACK boot box

- Clean with a damp cloth.
- Do not use any alcohol-based thinners, petrol or abrasive cleaning agents.

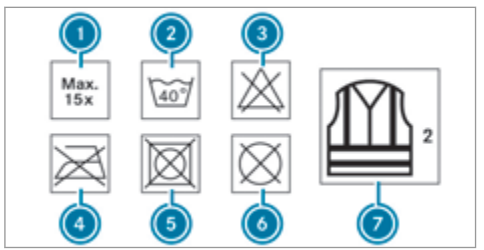
Emergency

Removing the safety vest

The safety vests are located in the stowage compartments in the driver's and front passenger door.

- ▶ Pull out the safety vest bag by the loop.
- ▶ Open the safety vest bag and pull out the safety vest.

ⓘ There are also safety vest compartments in the rear door stowage compartments in which safety vests can be stored.



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

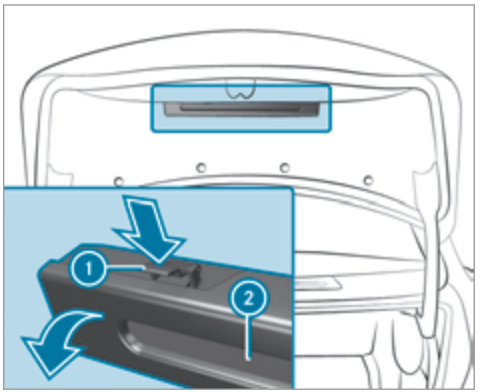
The requirements defined by the legal standard are only fulfilled if the safety vest is the correct size and is fully closed.

Replace the safety vest in the following cases:

- the reflective strips are damaged or dirty
- the maximum permissible number of washes is exceeded
- the fluorescence has faded

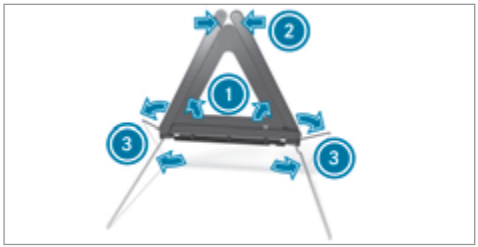
Warning triangle

Removing the warning triangle



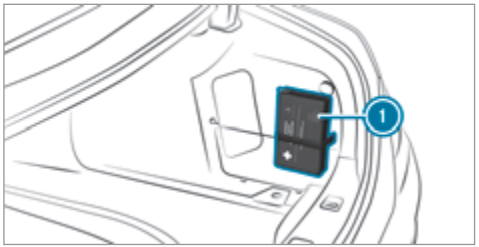
- ▶ Push both sides of warning triangle holder 1 in the direction of the arrow and open it.
- ▶ Remove warning triangle 2.

Setting up the warning triangle



- Fold side reflectors (1) upwards to form a triangle and attach at the top using upper press-stud (2).
- Fold legs (3) down and out to the side.

First-aid kit (soft-sided) overview



First-aid kit (soft sided) (1) is on the left or right in the boot, depending on the vehicle version.

ⓘ In vehicles with a Burmester® surround sound system, the first-aid kit (soft sided) is located in the boot when the vehicle is delivered.

Removing the fire extinguisher

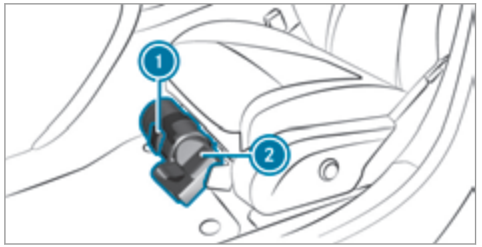
⚠ **WARNING** Risk of accident due to an incorrectly secured fire extinguisher in the driver's footwell

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

This jeopardises the operating and road safety of the vehicle.

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

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



- ▶ **Left-hand drive vehicle:** pull tab (1) upwards.
- ▶ **Right-hand drive vehicle:** pull tab (1) downwards.
- ▶ Remove fire extinguisher (2).

Flat tyre

Notes on flat tyres

⚠ WARNING Risk of accident due to a flat tyre

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

Tyres without run-flat characteristics:

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

Tyres with run-flat characteristics:

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

In the event of a flat tyre, the following options are available depending on your vehicle's equipment:

- **Vehicles with MOExtended tyres:** it is possible to continue the journey for a short period of time. Make sure you observe the notes on MOExtended tyres (run-flat tyres) (⟶ page 376).
- **Vehicles with a TIREFIT kit:** you can repair the tyre so that it is possible to continue the journey for a short period of time. To do this, use the TIREFIT kit (⟶ page 378).
- **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 338).
- **All vehicles:** change the wheel (⟶ page 405).

Notes on MOExtended tyres (run-flat tyres)

⚠ WARNING Risk of accident when driving in limp-home mode

Driving in emergency mode impairs the handling characteristics of the vehicle.

- ▶ Do not exceed the permissible maximum speed of the MOExtended tyres.
- ▶ Avoid any abrupt steering and driving manoeuvres as well as driving over obstacles (kerbs, pot holes, off-road). This applies, in particular, to a loaded vehicle.
- ▶ Stop driving in the emergency mode if you notice:
  - banging noise

- vehicle vibration
- smoke which smells like rubber
- continuous ESP® intervention
- cracks in the tyre sidewalls

▶ After driving in emergency mode, have the rims checked by a qualified specialist workshop with regard to their further use.

▶ The defective tyre must be replaced in every case.

With MOExtended tyres (run-flat tyres), you can continue to drive your vehicle even if there is a total loss of pressure in one or more tyres. However, the tyre affected must not show any clearly visible damage.

You can recognise MOExtended tyres by the MOExtended marking which appears on the side wall of the tyre.

Vehicles with tyre pressure loss warning system:
MOExtended tyres may only be used in conjunction with an activated tyre pressure loss warning system.

Vehicles with tyre pressure monitoring system:
MOExtended tyres may only be used in conjunction with an activated tyre pressure monitoring system.

If a pressure loss warning message appears in the driver's display, proceed as follows:

- Check the tyre for damage.
- If driving on, observe the following notes.

Driving distance possible in emergency mode after the pressure loss warning:

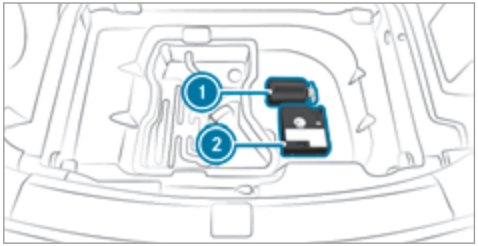
Load condition	Driving distance possible in emergency mode
Partially laden	80 km
Fully laden	30 km

The driving distance possible in emergency mode may vary depending on the driving style. Observe the maximum permissible speed of 80 km/h.

If a tyre has gone flat and cannot be replaced with an MOExtended tyre, you can use a standard tyre as a temporary measure.

TIREFIT kit storage location

The TIREFIT kit is located under the boot floor.



1 Tyre sealant bottle
2 Tyre inflation compressor

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

ⓘ You can find information on the power category (LK) and/or electrical data on the back of the tyre inflation compressor:

- LK2 – 12 V/15 A, 180 W, 0.8 kg

At a distance of approximately 1 m to the tyre inflation compressor and approximately 1.6 m above the ground, the following sound pressure levels apply:

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

The tyre inflation compressor is maintenance-free. If there is a malfunction, please contact a qualified specialist workshop.

Using the TIREFIT kit

Requirements:

- Tyre sealant bottle and tyre inflation compressor (⟶ page 377)
- TIREFIT sticker
- Gloves

You can use TIREFIT tyre sealant to seal perforation damage of up to 4 mm, particularly those in the tyre contact surface. You can use TIREFIT in outside temperatures down to -20 °C.

⚠ WARNING Risk of accident when using tyre sealant

The tyre sealant may be unable to seal the tyre properly, especially in the following cases:

- there are large cuts or punctures in the tyre (larger than damage previously mentioned)
- the wheel rims have been damaged
- after journeys with very low tyre pressure or with flat tyres

▶ Do not continue driving.
▶ Consult a qualified specialist workshop.

⚠ WARNING Risk of injury and poisoning from tyre sealant

Tyre sealant is hazardous to health and causes irritation. Do not allow it to come into contact with your skin, eyes or clothing, and do not swallow it. Do not inhale any vapours. Keep the tyre sealant away from children.

Observe the following if you come into contact with the tyre sealant:

▶ Rinse off the tyre sealant from your skin using water immediately.
▶ If tyre sealant gets into your eyes, thoroughly rinse them using clean water immediately.
▶ If tyre sealant has been swallowed, thoroughly rinse out your mouth immediately and drink plenty of water. Do not induce vomiting and seek medical attention immediately.
▶ Change out of clothing which has come into contact with tyre sealant immediately.
▶ If an allergic reaction occurs, seek medical attention immediately.

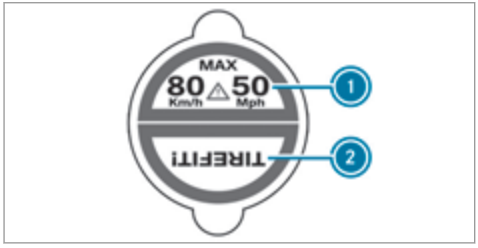
! NOTE Overheating due to the tyre inflation compressor running too long

▶ Do not run the tyre inflation compressor for longer than ten minutes without interruption.

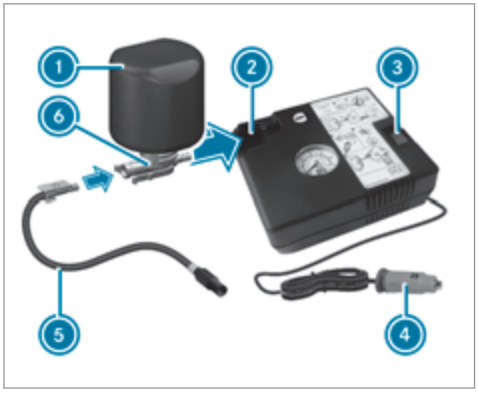
Comply with the manufacturer's safety notes on the sticker on the tyre inflation compressor.

Have the tyre sealant bottle replaced in a qualified specialist workshop every five years.

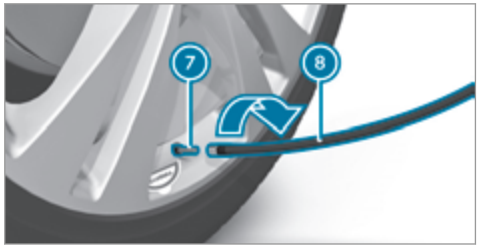
- Do not remove any foreign objects which have entered the tyre.



- 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 tyre.



- Pull plug (4) with the cable and hose (5) out of the tyre inflation compressor housing.
- Push the plug of hose (5) into flange (6) of tyre sealant bottle (1) until the plug engages.
- Place tyre sealant bottle (1) head downwards into recess (2) of the tyre inflation compressor.



- Remove the valve cap from valve (7) on the faulty tyre.
- 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 tyre inflation compressor using On/Off switch (3).
  The tyre is inflated. First, tyre sealant is pumped into the tyre. The pressure may briefly rise to approximately 500 kPa (5.0 bar/73 psi).

Do not switch off the tyre inflation compressor during this phase!

- Let the tyre inflation compressor run for a maximum of ten minutes.
  The tyre should then have attained a tyre pressure of at least 200 kPa (2.0 bar/29 psi).

If tyre sealant leaks out, make sure you clean the affected area as quickly as possible. It is preferable to use clean water.

If you get tyre sealant on your clothing, have it cleaned as soon as possible with perchloroethylene.

If, after ten minutes, a tyre pressure of 200 kPa (2.0 bar/29 psi) has not been attained:

- Switch off the tyre inflation compressor.
- Unscrew the filling hose from the valve of the defective tyre.

Please note that tyre sealant may leak out when unscrewing the filling hose.

- Drive forwards or in reverse very slowly for approximately 10 m.
- Pump up the tyre again.
  After a maximum of ten minutes the tyre pressure must be at least 200 kPa (2.0 bar/29 psi).

WARNING Risk of accident due to the specified tyre pressure not being attained

If the specified tyre pressure is not attained after the specified time, the tyre is too badly damaged. The tyre sealant cannot repair the tyre in this instance.

The braking and driving characteristics may be greatly impaired.

- Do not continue driving.
- Consult a qualified specialist workshop.

If, after ten minutes, a tyre pressure of 200 kPa (2.0 bar/29 psi) has been attained:

- Switch off the tyre inflation compressor.
- Unscrew the filling hose from the valve of the defective tyre.

WARNING Risk of accident from driving with sealed tyres

A tyre temporarily sealed with tyre sealant impairs the handling characteristics and is not suitable for higher speeds.

- Adapt your driving style accordingly and drive carefully.
- Do not exceed the maximum speed limit with a tyre that has been repaired using tyre sealant.

- Observe the maximum permissible speed for a tyre sealed with tyre sealant 80 km/h.

NOTE Staining from leaking tyre sealant

After use, excess tyre sealant may leak out from the filling hose.

- Therefore, place the filling hose in the plastic bag that contained the TIREFIT kit.

ENVIRONMENTAL NOTE Environmental pollution caused by environmentally irresponsible disposal

Tyre sealant contains pollutants.

- Have the tyre sealant bottle disposed of professionally, e.g. at a Mercedes-Benz Service Centre.

- Stow the tyre sealant bottle and the tyre inflation compressor.
- Pull away immediately.
- Stop driving after approximately ten minutes and check the tyre pressure using the tyre inflation compressor.
  The tyre pressure must now be at least 130 kPa (1.3 bar/19 psi).

WARNING Risk of accident due to the specified tyre pressure not being attained

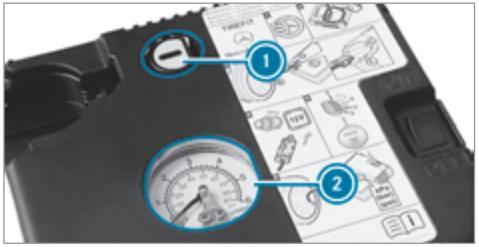
If the specified tyre pressure is not reached, the tyre is too badly damaged. The tyre sealant cannot repair the tyre in this instance.

The braking and driving characteristics may be greatly impaired.

- Do not continue driving.
- Consult a qualified specialist workshop.

Countries that have Mercedes-Benz Service24h: you will find a sticker with the telephone number, e.g. on the B-pillar on the driver's side.

- Correct the tyre pressure if it is still at least 130 kPa (1.3 bar/19 psi). See the tyre pressure table on the fuel filler flap for values.
- **To increase the tyre pressure:** switch on the tyre inflation compressor.



- **To reduce the tyre pressure:** press pressure release button (1) next to manometer (2).
- When the tyre pressure is correct, unscrew the filling hose from the valve of the sealed tyre.
- Screw the valve cap onto the valve of the sealed tyre.
- Pull the tyre sealant bottle out of the tyre inflation compressor.
  The filling hose stays on the tyre sealant bottle.
- Drive to the nearest qualified specialist workshop and have the tyre, tyre sealant bottle and filling hose replaced there.

Battery (vehicle)

Notes on the 12 V battery

WARNING Risk of an accident due to work carried out incorrectly on the battery

Work carried out incorrectly on the battery can, for example, lead to a short circuit. This

can restrict functions relevant for safety systems and impair the operating safety of your vehicle.

You could lose control of the vehicle in the following situations in particular:

- when braking
- in the event of abrupt steering manoeuvres and/or when the vehicle's speed is not adapted to the road conditions

▶ In the event of a short circuit or a similar incident, contact a qualified specialist workshop immediately.

▶ Do not drive on.

▶ Always have work on the battery carried out at a qualified specialist workshop.

- Further information on ABS (→ page 218)
- Further information on ESP® (→ page 219)

For safety reasons, Mercedes-Benz recommends that you only use batteries which have been tested and approved for your vehicle by Mercedes-Benz.

All vehicles except vehicles with a lithium-ion 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.

⚠ **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.

All vehicles

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, 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 if necessary.



Wear safety glasses.



Keep children away.



Observe this Owner's Manual.

Observe the following if you do not intend to use the vehicle over an extended period of time:

- Activate standby mode.
- Alternatively: connect the battery to a battery charger approved by Mercedes-Benz or consult a qualified specialist workshop to disconnect the battery.

Notes on starting assistance and charging the 12 V battery

All vehicles

When charging the battery and during starting assistance, always use the jump-start connection point in the engine compartment.

! NOTE Damage to the battery from overvoltage

When charging using a battery charger without a restriction of the maximum charging voltage, the battery or the on-board electronics can be damaged.

- ▶ Only use battery chargers with a maximum charging voltage of 14.8 V.

⚠ WARNING Risk of explosion due to hydrogen gas igniting

If, when charging a battery, there is a short circuit or sparks start to form, there is a danger of hydrogen gas igniting.

- ▶ Take care that the positive clamp connected to a battery does not come into contact with vehicle parts.
- ▶ Never place metal objects or tools on a battery.
- ▶ When connecting and disconnecting the battery, always observe the sequence of battery clamps described.

- Take care to only connect battery terminals of identical polarity when receiving starting assistance.
- Observe the sequence described for connecting and disconnecting the jump leads when receiving starting assistance.
- Do not connect or disconnect the battery terminals while the engine is running.

WARNING Risk of explosion due to explosive mixture of gases

An explosive mixture of gases can escape from the battery during charging and starting assistance.

- Fire, naked flames, smoking and creating sparks must be avoided.
- Make sure there is adequate ventilation.
- Do not stand over the battery.

WARNING Risk of explosion from a frozen battery

A discharged battery may freeze at temperatures slightly above or below freezing point.

During starting assistance or battery charging, battery gas can be released.

- Always allow a battery to thaw before charging it or performing starting assistance.

If the indicator/warning lamps in the instrument cluster do not light up at low temperatures, it is very likely that the discharged battery has frozen. In this case you may neither jump-start the vehicle nor charge the battery.

The service life of a battery that has been thawed may be dramatically shortened. The starting characteristics may be impaired, especially at low temperatures.

It is recommended that you have a thawed battery checked at a qualified specialist workshop.

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

Starting assistance is not considered to be a normal operating condition.

All vehicles

NOTE Damage caused by numerous or extended attempts to start the engine

Numerous or extended attempts to start the engine may damage the catalytic converter due to non-combusted fuel.

- Avoid numerous and extended attempts to start the engine.

Observe the following points during starting assistance and when charging the battery:

- Only use undamaged jump lead/charging cables with a sufficient cross-section and insulated terminal clamps.
- Non-insulated parts of the terminal clamps must not come into contact with other metal

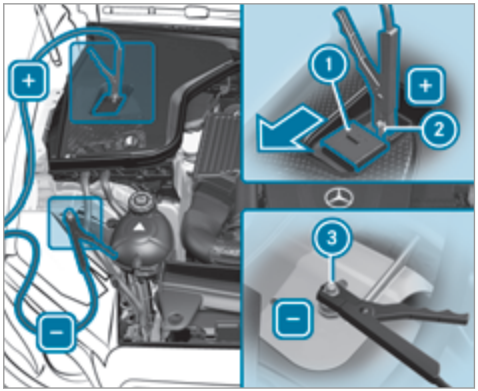
parts while the jump lead/charging cable is connected to the battery/jump-start connection point.
- The jump lead/charging cable must not come into contact with any parts which may move when the engine is running.
- Always make sure that neither you nor the battery is electrostatically charged.
- Keep away from fire and naked flames.
- Do not lean over the battery.

Observe the additional following points when charging the battery:
- Only use battery chargers tested and approved for Mercedes-Benz.
- Read the battery charger's operating instructions before charging the battery.

Observe the additional following points during starting assistance:
- Starting assistance may only be provided using vehicles, batteries or other jump start devices with a nominal voltage of 12 V.
- The vehicles must not touch.
- **Vehicles with a petrol engine:** jump-start the vehicle only when the engine and exhaust system are cold.

Starting assistance and charging the 12 V battery

Requirements:
- The vehicle is secured with the electric parking brake.
- **Vehicles with automatic transmission:** the transmission is in position P.
- The vehicle and all electrical consumers are switched off.
- The bonnet is open.



Example: engine compartment

- Slide cover 1 of positive contact 2 on the jump-starting connection point in the direction of the arrow.
- Connect positive contact 2 on your vehicle to the positive terminal of the donor battery using the jump lead/charging cable. Always

begin with positive contact (2) on your own vehicle first.

- **During starting assistance:** start the engine of the donor vehicle and run at idle speed.
- Connect the negative terminal of the donor battery and earth point (3) of your own vehicle by using the jump lead/charging cable. Begin with the donor battery first.
- **During starting assistance:** start the engine of your own vehicle.
- **During the charging process:** start the charging process.
- **During starting assistance:** let the engines run for several minutes.
- **During starting assistance:** before disconnecting the jump lead, switch on an electrical consumer on your own vehicle, e.g. the rear window heater or lighting.

When the starting assistance/charging process is complete, perform the following steps:

- First, remove the jump lead/charging cable from earth point (3) and the negative terminal of the donor battery, then from positive contact (2) and the positive terminal of the donor battery. Begin each time with the contacts on your own vehicle first.
- After removing the jump lead/charging cable, close cover (1) of positive contact (2).

If your vehicle has been started with starting assistance, it may not be possible to use the electric drive for approximately 30 minutes.

Further information can be obtained at a qualified specialist workshop.

Replacing the 12 V battery

- Observe the notes on the 12 V battery (→ page 381).

Mercedes-Benz recommends that you have the 12 V battery replaced at a qualified specialist workshop, e.g. at a Mercedes-Benz Service Centre.

Observe the following notes if you want to replace the battery yourself:

- Always replace a faulty battery with a battery which meets the specific vehicle requirements.

  The vehicle is equipped with an AGM technology battery (Absorbent Glass Mat) or a lithium-ion battery. Full vehicle functionality is only guaranteed with an AGM battery or lithium-ion battery. For safety reasons, Mercedes-Benz recommends that you only use batteries which have been tested and approved for your vehicle by Mercedes-Benz.
- Carry over detachable parts, such as vent hoses, elbow fittings or terminal covers from the battery being replaced.
- Make sure that the vent hose is always connected to the original opening on the side of the battery.

  Fit any existing or supplied cell caps.

  Otherwise, gases or battery acid could escape.
- Make sure that detachable parts are reconnected in the same way.

Tow-starting or towing away

Permitted towing methods (non plug-in hybrid)

NOTE Damage from automatic braking

If one of the following functions is switched on, the vehicle brakes automatically in certain situations:

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

To avoid damage to the vehicle, deactivate these systems in the following or similar situations:

- ▶ during towing
- ▶ in a car wash

Mercedes-Benz recommends transporting your vehicle in the case of a breakdown, rather than towing it away.

For towing, use a tow rope or tow bar with both axles on the ground. Do not use tow bar systems.

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, maximum 50 km at 50 km/h
Front axle raised	No
Rear axle raised	Yes, if the steering wheel is fixed in the centre position with a steering wheel lock

4MATIC vehicles

Permitted towing methods	
Both axles on the ground	Yes, maximum 50 km at 50 km/h
Front axle raised	No
Rear axle raised	No

Towing with a raised axle: towing should be performed by a towing company.

Permitted towing methods (plug-in hybrid)

Mercedes-Benz recommends transporting your vehicle in the case of a breakdown, rather than towing it away.

For towing, use a tow rope or tow bar with both axles on the ground. Do not use tow bar systems.

! **NOTE** Damage to the vehicle due to towing away incorrectly

▶ Observe the instructions and notes on towing away.

Observe the information on towing and transporting the vehicle in the vehicle Owner's Manual.

Permitted towing methods	
Both axles on the ground	Yes, maximum 50 km at 50 km/h
Front axle raised	Yes, maximum 50 km at 50 km/h
Rear axle raised	Yes, if the steering wheel is fixed in the centre position with a steering wheel lock.

In the following situations, only transporting the vehicle is permitted:

- the display is not working

  or

- the  Towing not permitted See Owner's Manual display message appears

Exception: if the vehicle is located in a danger zone, it can be recovered from the danger zone despite the display message or the display not working.

It must not be towed further than 50 m with both axles on the ground. A towing speed of 10 km/h must not be exceeded. Beyond these limits, only transporting is permitted.

Towing the vehicle with both axles on the ground

▶ Observe the notes on the permitted towing methods (→ page 387).

▶ Make sure that the battery is connected and charged.

Observe the following points when the battery is discharged:

- the engine cannot be started
- the electric parking brake cannot be released or applied
- **vehicles with automatic transmission:** the automatic transmission cannot be shifted to position N or P

ⓘ **Vehicles with automatic transmission:** if the automatic transmission cannot be shifted to position N or if the display does not show anything, transport the vehicle (→ page 390). A towing vehicle with lifting equipment is required for vehicle transportation.

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

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

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

▶ A towing distance of 50 km must not be exceeded.

WARNING Risk of accident when towing a vehicle 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 overturn.

▶ 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 must be tow-started or towed away, its permissible gross mass must not exceed the permissible gross mass of the towing vehicle.

▶ Information on the permissible gross mass of the vehicle can be found on the vehicle identification plate (→ page 415).

▶ **Vehicles with automatic transmission:** do not open the driver's door or front passenger door; the automatic transmission otherwise automatically shifts to position P.

▶ Fit the towing eye (→ page 391).

▶ 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 84).

▶ Do not activate the HOLD function.

▶ Deactivate tow-away protection (→ page 101).

▶ Deactivate Active Brake Assist (→ page 242).

▶ **Vehicles with automatic transmission:** shift the automatic transmission to position N.

▶ Release the electric parking brake.

WARNING Risk of accident due to limited safety-related functions during the towing process

Safety-related functions are limited or no longer available in the following situations:

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

When your vehicle is towed away, significantly more effort may be required to steer and brake than is normally required.

▶ Use a tow bar.

▶ Make sure that the steering wheel can move freely before towing the vehicle away.

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 transport

Hybrid vehicles: transportation of vehicles should only be carried out by professional recovery companies.

- Observe the notes on towing away (→ page 388).
- Connect the towing device to the towing eye in order to load the vehicle.

ⓘ You can also attach the tow bar to the trailer hitch.

- **Vehicles with automatic transmission:** shift the automatic transmission to position N.

ⓘ **Vehicles with automatic transmission:** the automatic transmission may be locked in position P in the event of damage to the electrical system. To shift to N, provide the on-board electrical system with power (→ page 385).

- Load the vehicle onto the transporter.
- **Vehicles with automatic transmission:** shift the automatic transmission to position P.
- Use the electric parking brake to secure the vehicle against rolling away.
- Only secure the vehicle by the wheels.

Vehicles with ADS PLUS (Adaptive Damping System PLUS)

WARNING Risk of an accident when transporting vehicles with Adaptive Damping System PLUS

When transporting vehicles with Adaptive Damping System PLUS, the vehicle/trailer combination may begin to rock and start to skid.

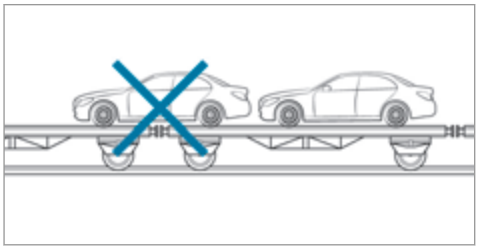
- Load the vehicle correctly onto the transporter.
- Secure the vehicle on all four wheels with suitable tensioning straps.
- Do not exceed the maximum permissible speed of 60 km/h when transporting.

NOTE Damage to the vehicle from securing it incorrectly

- After loading, the vehicle must be secured on all four wheels. Otherwise, the vehicle could be damaged.
- A minimum distance of 20 cm upwards and 10 cm downwards must be kept to the transport platform.

- Secure the vehicle on all four wheels after loading.

4MATIC vehicles/vehicles with automatic transmission



- Make sure that the front and rear axles come to rest on the same transportation vehicle.

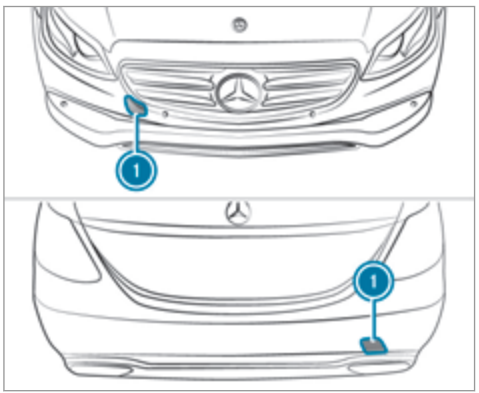
! **NOTE** Damage to the drive train due to incorrect positioning of the vehicle

- Do not position the vehicle above the connection point of the transport vehicle.

Towing eye storage location

The towing eye is located in the stowage space under the boot floor.

Fitting and removing the towing eye



- Press the mark on cover (1) inwards 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.

- Make sure that cover (1) engages in the bumper when you remove the towing eye.

! **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

Vehicles with automatic transmission

NOTE Damage to the automatic transmission due to tow-starting

The automatic transmission may be damaged in the process of tow-starting vehicles with automatic transmission.

- Vehicles with automatic transmission must not be tow-started.

- Vehicles with an automatic transmission must not be tow-started.

Electrical fuses

Notes on electrical fuses

WARNING Risk of accident and injury due to overloaded lines

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

This could result in a fire.

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

NOTE Damage due to incorrect fuses

Electrical components or systems may be damaged by incorrect fuses, or their functionality may be significantly impaired.

- Only use fuses that have been approved by Mercedes-Benz and which have the correct fuse rating.

Blown fuses must be replaced with fuses of the same rating, which you can recognise by the colour and the label. The fuse ratings and further information to be observed can be found in the fuse assignment diagram.

Fuse assignment diagram: on the fuse box in the boot (→ page 394).

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 traced and rectified at a qualified specialist workshop.

Ensure the following before replacing a fuse:

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

The electrical fuses are located in various fuse boxes:

- Fuse box in the engine compartment on the driver's side (→ page 393)

- Fuse box on the driver's side of the cockpit (→ page 394)
- Fuse box in the front passenger footwell (→ page 394)
- Fuse box in the boot on the right-hand side of the vehicle, when viewed in the direction of travel (→ page 394)

Opening and closing the fuse box in the engine compartment

Requirements:

- A dry cloth and a screwdriver are available.

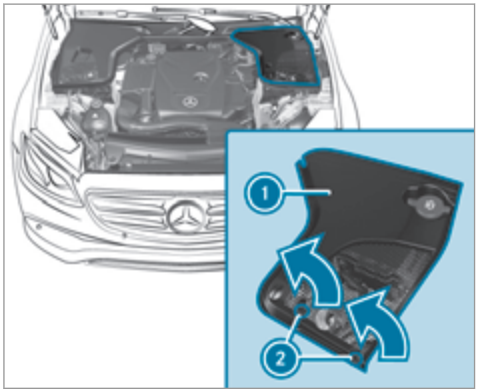
Observe the notes on electrical fuses (→ page 392).

Opening

⚠ WARNING Risk of injury from using the windscreen wipers when the bonnet is open

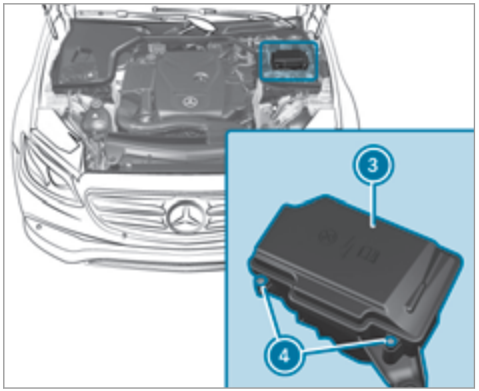
If the windscreen wipers start moving when the bonnet is open, you could be trapped by the wiper linkage.

▶ Always switch off the windscreen wipers and the vehicle first if you need to open the bonnet.



▶ Turn clips (2) on cover (1) a quarter-turn to anti-clockwise.

▶ Pull cover (1) upwards in the direction of the arrow.



▶ Remove any existing moisture from the fuse box using a dry cloth.

▶ Loosen screws (4) and remove fuse box lid (3) from the top.

Closing

▶ Check whether the seal is positioned correctly in cap (3).

- ▶ Insert lid (3) into the bracket at the rear of the fuse box.
- ▶ Fold down lid (3) of the fuse box and tighten screws (4).
- ▶ Insert cover (1) on both sides.
- ▶ Turn clips (2) on cover (1) a quarter-turn clockwise.
- ▶ Close the bonnet.

Opening and closing the fuse box in the cockpit

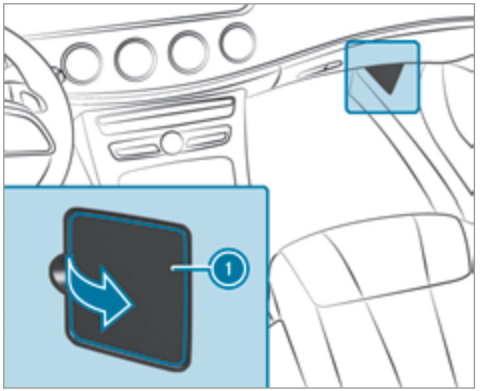
- Observe the notes on electrical fuses (→ page 392).

The fuse box is on the driver's side on the side of the cockpit under a cover.

- ▶ To open and close it, consult a Mercedes-Benz Service Centre.

Opening and closing the fuse box in the front passenger footwell

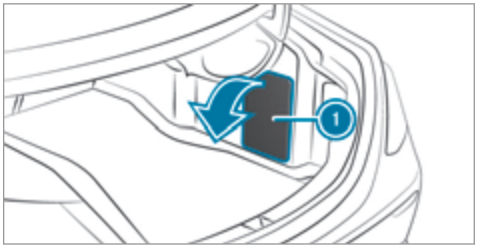
Observe the notes on electrical fuses (→ page 392).



- ▶ **To open:** open cover (1) in the direction of the arrow and remove it.
- ▶ **To close:** reinsert cover (1).

Opening and closing the fuse box in the boot

Observe the notes on electrical fuses (→ page 392).



- ▶ Fold cover (1) down in the direction of the arrow.

The fuse assignment diagram is in a recess on the side of the fuse box.

Notes on noise or unusual handling characteristics

Make sure there are no vibrations, noises or unusual handling characteristics when the vehicle is in motion. This may indicate that the wheels or tyres are damaged. Hidden tyre damage could also be causing the unusual handling characteristics.

If you suspect that a tyre is defective, reduce your speed immediately and have the tyres and wheels checked at a qualified specialist workshop.

Notes on regularly inspecting wheels and tyres

⚠ **WARNING** Risk of injury due to damaged tyres

Damaged tyres can cause tyre pressure loss.

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

⚠ **WARNING** Risk of aquaplaning due to insufficient tyre tread

Insufficient tyre tread will result in reduced tyre grip.

The risk of aquaplaning is increased on wet roads, especially when the speed of the vehicle is not adapted to suit the conditions.

- ▶ Thus, you should regularly check the tread depth and the condition of the tread across the entire width of all tyres.

Minimum tread depth for:

- Summer tyres: 3 mm
- M+S tyres: 4 mm

- ▶ For safety reasons, replace the tyres before the legally-prescribed limit for the minimum tread depth is reached.

Carry out the following checks on all wheels regularly, at least once a month or as required, for example, prior to a long journey or driving off-road:

- Check the tyre pressure (→ page 396).
- Visually inspect wheels and tyres for damage.
- Check the valve caps.
- Visual check of the tyre tread depth and the tyre contact surface across the entire width.

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

Notes on snow chains

⚠ **WARNING** Risk of accident due to incorrectly fitted snow chains

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

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

NOTE Damage to components of the vehicle body or chassis due to fitted snow chains

If you fit snow chains to the front wheels of 4MATIC vehicles, you may damage components of the vehicle body or chassis.

▶ Only fit snow chains to the rear wheels of 4MATIC vehicles.

Observe the following notes when using snow chains:

- Snow chains are only permissible for certain wheel/tyre combinations. You can obtain information about this from a Mercedes-Benz Service Centre.
- For safety reasons, only use snow chains that have been specifically approved for your vehicle by Mercedes-Benz, or snow chains with the same quality standard.
- If snow chains are fitted, the maximum permissible speed is 50 km/h.
- **Vehicles with Active Parking Assist:** do not use Active Parking Assist when snow chains are fitted.
- **Vehicles with level control:** if snow chains are fitted, only drive at raised vehicle level (→ page 251).

ⓘ You can permanently limit the maximum speed for driving with winter tyres (→ page 228).

ⓘ You can deactivate ESP® to pull away (→ page 220). This allows the wheels to spin, achieving an increased driving force.

Tyre pressure

Notes on tyre pressure

WARNING Risk of accident due to insufficient or excessive tyre pressure

Underinflated or overinflated tyres pose in particular the following risks:

- The tyres can burst.
- The tyres can wear excessively and/or unevenly.
- The driving characteristics as well as the steering and braking characteristics may be greatly impaired.

▶ Comply with the recommended tyre pressure and check the tyre pressure of all tyres, including the spare wheel, regularly:

- monthly
- when the load changes
- before embarking on a longer journey
- if operating conditions change, e.g. off-road driving

▶ Adjust the tyre pressure, if necessary.

Tyre pressure which is too high or too low can:

- Shorten the service life of the tyres.
- Cause increased tyre damage.
- Adversely affect driving characteristics and thus driving safety, e.g. due to aquaplaning.

WARNING Risk of accident due to repeated pressure drop in the tyres

The wheels, valves or tyres could be damaged.

Too low a tyre pressure can lead to the tyres bursting.

- ▶ Examine the tyres for foreign objects.
- ▶ Check whether the tyre has a puncture or the valve has a leak.
- ▶ If you are unable to rectify the damage, contact a qualified specialist workshop.

Information on the recommended tyre pressure for the vehicle's factory-fitted tyres can be found on the tyre pressure table on the inside of the fuel filler flap (→ page 397).

Use a suitable pressure gauge to check the tyre pressure. The outer appearance of a tyre does not permit any reliable conclusion about the tyre pressure.

Only correct tyre pressures when the tyres are cold. Conditions for cold tyres:

- The vehicle has been parked with the tyres out of direct sunlight for at least three hours.
- The vehicle has travelled less than 1.6 km.

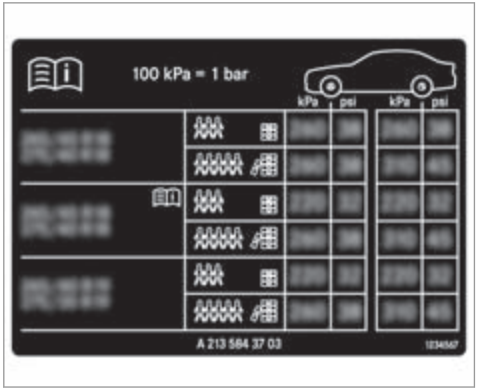
The vehicle's tyres heat up when driving. As the temperature of the tyres increases, so too does the tyre pressure.

Vehicles with a tyre pressure monitoring system: you can also check the tyre pressure using the on-board computer.

Notes on trailer operation
Always inflate the rear axle tyres to the recommended tyre pressures on the tyre pressure table for increased load.

Tyre pressure table

The tyre pressure table is on the inside of the fuel filler flap.



If one or more tyre sizes precede a tyre pressure, the following tyre pressure information is only valid for those tyre sizes and their respective load condition.

If the preceding tyre sizes are complemented by the symbol, the tyre pressure information following shows alternative tyre pressures. Fuel consumption may then increase slightly.

The load conditions "partially laden" and "fully laden" are defined in the table for different numbers of passengers and amounts of luggage. The actual number of seats may differ from this.

Tyre pressure monitoring system

Function of the tyre pressure monitoring system

The system checks the tyre pressure and the tyre temperature of the tyres fitted to the vehicle by means of a tyre pressure sensor.

The tyre pressure and the tyre temperature appear in the on-board computer (→ page 398).

If there is a substantial pressure loss or if the tyre temperature is excessive, you will be warned with display messages (→ page 489) or the (!) warning lamp in the instrument cluster (→ page 514).

The tyre pressure monitoring system is only an aid. It is the driver's responsibility to set the tyre pressure to the recommended cold tyre pressure suitable for the operating situation.

In most cases, the tyre pressure monitoring system will automatically update the new reference values after you have changed the tyre pressure. You can, however, also update the reference values by restarting the tyre pressure monitoring system manually (→ page 399).

System limits

The system may be impaired or may not function particularly in the following situations:

- incorrect reference values were taught in
- sudden pressure loss caused by a foreign object penetrating the tyre, for example
- there is a malfunction caused by another radio signal source

Checking the tyre pressure with the tyre pressure monitoring system

Requirements:

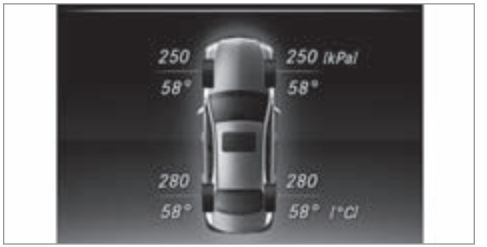
- The vehicle is switched on.

On-board computer:

Service ▸▸ Tyres

One of the following displays appears:

- Current tyre pressure and tyre temperature of the individual wheels:



- Tyre pressures will be displayed after a few minutes of driving
- Tyre pressure monitor active: the teach-in process of the system is not yet complete. The tyre pressures are already being monitored.

▶ Compare the tyre pressure with the recommended tyre pressure for the current operating condition (→ page 397). Additionally, observe the notes on cold tyres (→ page 396).

ⓘ The values displayed in the on-board computer may deviate from those of the tyre pressure gauge as they refer to sea level. At high elevations, the tyre pressure values indicated by a pressure gauge are higher than those shown by the on-board computer. In this case, do not reduce the tyre pressure.

Restarting the tyre pressure monitoring system

Requirements:

- The recommended tyre pressure is correctly set for the respective operating status on all of the wheels (→ page 396).

Restart the tyre pressure monitoring system in the following situations:

- The tyre pressure has changed.
- The wheels or tyres have been changed or newly fitted.

On-board computer:

↳ Service ▸▸ Tyres

▶ Swipe downwards on Touch Control on the left-hand side of the steering wheel.
The Use current pressures as new reference values? message is shown in the Instrument Display.

▶ To restart, press Touch Control on the left-hand side of the steering wheel.
The Tyre press. monitor restarted message is shown in the Instrument Display.

Current warning messages are deleted and the yellow (!) warning lamp goes out.

After you have been driving for a few minutes, the system checks whether the current tyre pressures are within the specified range. The current tyre pressures are then accepted as reference values and monitored.

Be sure to also pay attention to the following related topic:

- Notes on tyre pressure (→ page 396)

Tyre pressure loss warning system

Function of the tyre pressure loss warning system

The tyre pressure loss warning system warns the driver by means of display messages when there is a severe tyre pressure loss.

System limits

The system may be impaired or may not function particularly in the following situations:

- incorrect reference values were taught in
- sudden pressure loss caused by a foreign object penetrating the tyre, for example
- an even pressure loss on more than one tyre occurs

The system has a restricted or delayed function particularly in the following situations:

- poor ground conditions, e.g. snow or gravel
- driving with snow chains
- when adopting a very sporty driving style with high cornering speeds or sudden acceleration
- driving with a very heavy or large trailer
- driving with a high load

The tyre pressure loss warning system is only an aid. It is the driver's responsibility to set the tyre pressure to the recommended cold tyre pressure suitable for the operating situation and to check it.

Be sure to also observe the following further related subjects:

- Notes on tyre pressure (→ page 396)
- Display messages about the tyres (→ page 489)

Restarting the tyre pressure loss warning system

Requirements:

- The recommended tyre pressure is correctly set for the respective operating status on all wheels.

Restart the tyre pressure loss warning system in the following situations:

- The tyre pressure has changed.
- The wheels or tyres have been changed or newly fitted.

On-board computer:

Service ▸▸ Tyres

- ▶ Swipe downwards on Touch Control on the left-hand side of the steering wheel.
  The Run Flat Indicator active Restart message is shown in the display.
- ▶ To begin restart, press Touch Control on the left-hand side of the steering wheel.
  The Tyre pressure now OK? message is shown in the display.
- ▶ Select Yes.
- ▶ To confirm restart, press Touch Control on the left-hand side of the steering wheel.
  The Run Flat Indicator restarted message is shown in the display.

  After you have driven for a few minutes, the tyre pressure loss warning system monitors the set tyre pressures of all the tyres.

Be sure to also pay attention to the following related topic:

- Notes on tyre pressure (→ page 396)

Wheel change

Notes on selecting, fitting and replacing tyres

NOTE Mercedes-AMG vehicles

- ▶ Observe the notes in the Supplement. You could otherwise fail to recognise dangers.

WARNING Risk of accident due to incorrect wheel and tyre dimensions

If wheels and tyres of the wrong size are fitted, the service brakes or components in the brake system and in the wheel suspension may be damaged.

- ▶ Always replace wheels and tyres with those that fulfil the specifications of the original part.

For wheels, pay attention to the following:

- Designation
- Type

For tyres, pay attention to the following:

- Designation
- Manufacturer
- Type

WARNING Risk of injury through exceeding the specified tyre load-bearing capacity or the permissible speed rating

Exceeding the load-bearing capacity of the tyres can lead to tyre damage and could cause the tyres to explode.

- ▶ Therefore, only use tyre types and sizes approved for your vehicle model.
- ▶ Observe the tyre load-bearing capacity rating and speed rating required for your vehicle.

NOTE Vehicle and tyre damage through tyre types and sizes that have not been approved

For safety reasons, only use tyres, wheels and accessories which have been specially approved by Mercedes-Benz for your vehicle.

These tyres 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 (run-flat tyres only for certain wheels)
- MO1 = Mercedes-Benz Original (only certain AMG tyres)

Otherwise, certain properties, such as handling characteristics, vehicle noise emissions, consumption, etc. could be adversely affected. Furthermore, other tyre sizes could result in the tyres rubbing against the body and axle components when loaded. This could result in damage to the tyre or the vehicle.

Only use tyres, wheels and accessories that have been checked and recommended by Mercedes-Benz.

NOTE Risk to driving safety from retreaded tyres

Retreaded tyres are neither tested nor recommended by Mercedes-Benz, since previous damage cannot always be detected on retreaded tyres.

For this reason driving safety cannot be guaranteed.

- ▶ Do not use used tyres if you have no information about their previous usage.

NOTE Possible wheel and tyre damage when driving over obstacles

Large wheels have a smaller section width. As the section width decreases, the risk of wheels and tyres being damaged when driving over obstacles increases.

- ▶ Avoid obstacles or drive especially carefully.
- ▶ Reduce your speed when driving over kerbs, speed bumps, manhole covers and potholes.
- ▶ Avoid particularly high kerbs.

! **NOTE** Possible wheel and tyre damage when parking on kerbs or in potholes

Parking on kerbs or in potholes may damage the wheels and tyres.

- ▶ If possible, park only on flat surfaces.
- ▶ Avoid kerbs and potholes when parking.

! **NOTE** Damage to electronic component parts from the use of tyre-fitting tools

Vehicles with a tyre pressure monitoring system: electronic component parts are located in the wheel. Tyre-fitting tools should not be applied in the area of the valve.

The tools could damage the electronic component parts.

- ▶ Have the tyres changed at a qualified specialist workshop only.

! **NOTE** Damage to summer tyres at low ambient temperatures

At low ambient temperatures, tears could form when driving with summer tyres, causing permanent damage to the tyre.

- ▶ At temperatures below 7 °C use M+S tyres.

Accessory parts which are not approved for your vehicle by Mercedes-Benz, or which are not used correctly, can impair the operating safety.

Before purchasing and using non-approved accessories, visit a qualified specialist workshop and enquire about:

- Suitability
- Legal stipulations
- Factory recommendations

⚠ **WARNING** Risk of accident with high performance tyres

The special tyre tread in combination with the optimised tyre compound means that the risk of skidding and hydroplaning on wet roads is increased.

In addition, the tyre grip is greatly reduced at a low outside temperature and tyre running temperature.

- ▶ Switch on the ESP® and adapt your driving style accordingly.
- ▶ Use M+S tyres at outside temperatures of less than 10 °C.
- ▶ Only use the tyres for their intended purpose.

Observe the following when selecting, fitting and replacing tyres:

- Country-specific requirements for tyre approval that define a specific tyre type for your vehicle.

- Furthermore, the use of certain tyre types in certain regions and areas of operation can be highly beneficial.
- Only use tyres and wheels of the same type (summer tyres, winter tyres, MOExtended tyres) and the same make.
- Only fit wheels of the same size on one axle (left and right).

  It is only permissible to fit a different wheel size in the event of a flat tyre in order to drive to the specialist workshop.
- Do not make any modifications to the brake system, the wheels or the tyres.

  The use of shims or brake dust shields is not permitted and may invalidate the vehicle's general operating permit.
- **Vehicles with a tyre pressure monitoring system:** all fitted wheels must be equipped with functioning sensors for the tyre pressure monitoring system.
- At temperatures below 7 °C use winter tyres or all-season tyres marked M+S for all wheels.

  Winter tyres provide the best possible grip in wintry road conditions.
- For M+S tyres, only use tyres with the same tread.
- Observe the maximum permissible speed for the M+S tyres fitted.

  If the tyre's maximum speed is below that of the vehicle, this must be indicated by an appropriate label in the driver's field of vision.
- Run in new tyres at moderate speeds for the first 100 km.
- Replace the tyres after six years at the latest, regardless of wear.
- **When replacing with tyres that do not feature run-flat characteristics:** vehicles with MOExtended tyres are not equipped with a TIREFIT kit at the factory. Equip the vehicle with a TIREFIT kit after replacing with tyres that do not feature run-flat characteristics, e.g. winter tyres.

ⓘ You can permanently limit the maximum speed for driving with winter tyres (→ page 228).

For more information on wheels and tyres, contact a qualified specialist workshop.

Be sure to also observe the following further related subjects:

- Notes on tyre pressure (→ page 396)
- Tyre pressure table (→ page 397)
- Notes on the emergency spare wheel (→ page 410)

Notes on interchanging wheels

⚠ **WARNING** Risk of injury through different wheel sizes

Interchanging the front and rear wheels can severely impair the driving characteristics.

The disk brakes or wheel suspension components may also be damaged.

▶ Only interchange the front and rear wheels if the wheels and tyres have the same dimensions.

Interchanging the front and rear wheels if the wheels or tyres have different dimensions can render the general operating permit invalid.

The wear patterns on the front and rear wheels differ:

- front wheels wear more on the tyre shoulder
- rear wheels wear more in the centre of the tyre

Do not drive with tyres that have too little tread depth. This significantly reduces traction on wet roads (aquaplaning).

On vehicles with the same front and rear wheel size, you can interchange the wheels every 5,000 to 10,000 km, depending on the wear. Ensure the direction of rotation is maintained for the wheels.

Observe the instructions and safety notes on "Changing a wheel" when doing so (→ page 405).

Notes on storing wheels

When storing wheels, observe the following notes:

- After removing wheels, store them in a cool, dry and preferably dark place.
- Protect the tyres from contact with oil, grease or fuel.

Overview of the tyre-change tool kit

NOTE Mercedes-AMG vehicles

▶ Observe the notes in the Supplement. You could otherwise fail to recognise dangers.

Apart from some country-specific variants, vehicles are not equipped with a tyre-change tool kit. For more information on which tyre-changing tools are required and approved for performing a wheel change on your vehicle, consult a qualified specialist workshop.

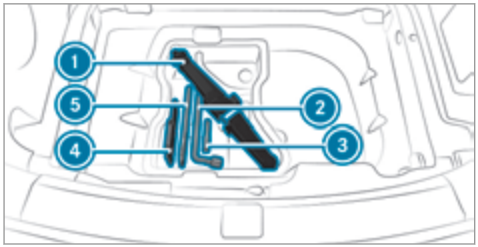
You require the following tools, for example, to change a wheel:

- Jack
- Chock
- Wheel wrench
- Centring pin

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

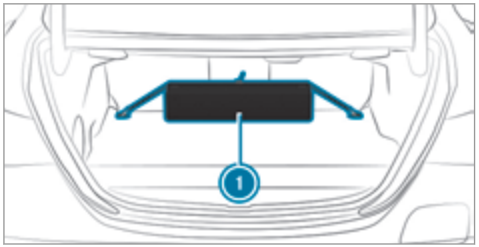
The tyre-change tool kit is located under the boot floor.

ⓘ Depending on the model, the tyre change tool kit may be located at other positions under the boot floor.



1 Jack
2 Wheel wrench
3 Centring pin
4 Folding chock
5 Ratchet for jack

Plug-in hybrid
The tyre-change tool kit is located in tool bag 1 on the boot floor.



Preparing the vehicle for a wheel change

Requirements:
- The vehicle is not on a slope.
- The vehicle is on solid, non-slippery and level ground.
- The required tyre-change tool kit is available.

ⓘ If your vehicle is not equipped with the tyre-change tool kit, consult a qualified specialist workshop to find out about suitable tools.

▶ Apply the electric parking brake manually.
▶ Move the front wheels to the straight-ahead position.
▶ Shift the transmission to position P.
▶ **Vehicles with level control system:** set the normal vehicle level (→ page 251).
▶ Switch off the vehicle.
▶ Make sure that the vehicle cannot be started.
▶ Place chocks or other suitable items under the front and rear of the wheel that is diagonally opposite the wheel you wish to change.
▶ If necessary, remove the wheel trim/hub caps (→ page 405).
▶ Raise the vehicle (→ page 406).

Removing and fitting the wheel trim/hub caps

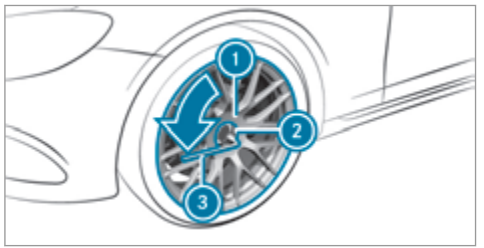
Requirements:
- The vehicle is prepared for a wheel change (→ page 405).

Plastic hub cap

▶ **To remove:** turn the centre cover of the hub cap anti-clockwise and remove the hub cap.
▶ **To fit:** make sure that the centre cover of the hub cap is turned anti-clockwise.

- Position the hub cap and turn the centre cover clockwise until the hub cap engages physically and audibly.

Aluminium hub cap



- **To remove:** position socket (2) from the tyre-change tool kit on hub cap (1).
- Position wheel spanner (3) on socket (2).
- Using wheel spanner (3), turn hub cap (1) anti-clockwise and remove it.
- **To fit:** follow the instructions above in reverse order.

ⓘ **Specified tightening torque:** 25 Nm.

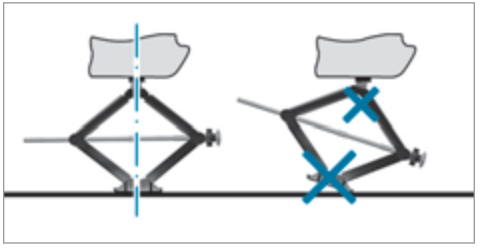
Raising the vehicle when changing a wheel

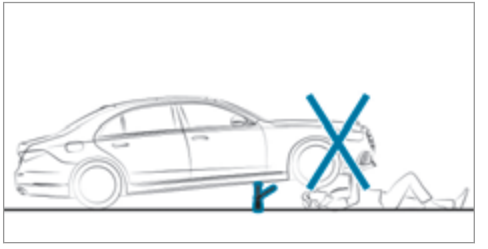
Requirements:

- There are no persons in the vehicle.
- The vehicle has been prepared for a wheel change (→ page 405).
- The wheel trims and hub caps have been removed (→ page 405).

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.

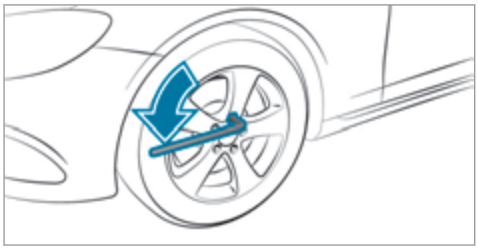




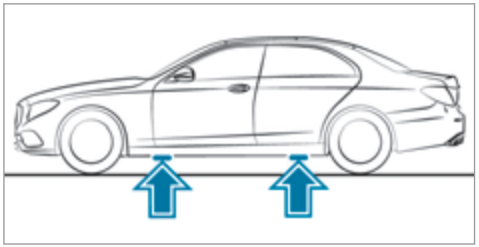
Rules of conduct when the vehicle is raised:

- Never place your hands or feet under the vehicle.
- Never lie under the vehicle.

- Do not start the vehicle and do not release the electric parking brake.
- Do not open or close any doors or the boot lid.



▶ Using the wheel 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 jack support points

! NOTE Mercedes-AMG vehicles

▶ Observe the notes in the Supplement. You could otherwise fail to recognise dangers.

⚠ 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.

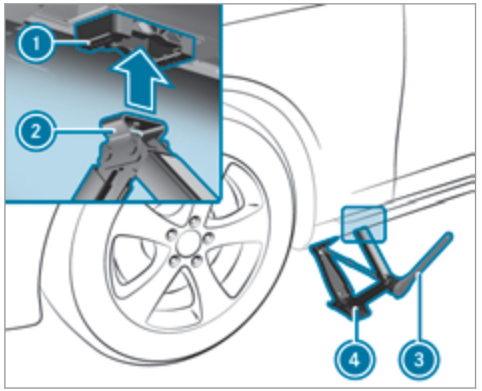
▶ Only position the jack at the appropriate jacking point of the vehicle. The base of the jack must be positioned vertically under the jacking point of the vehicle.

! NOTE Vehicle damage from the jack

If you do not position the jack correctly at the appropriate jack support point of the vehicle, the jack could tip over with the vehicle raised.

▶ The jack is designed exclusively for jacking up the vehicle at the jack support points.

▶ Take the ratchet out of the tyre-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 tyre is raised a maximum of 3 cm from the ground.
- Loosen and remove the wheel (⟶ page 408).

Removing a wheel

Requirements:

- The vehicle is raised (⟶ page 406).

! **NOTE** Mercedes-AMG vehicles

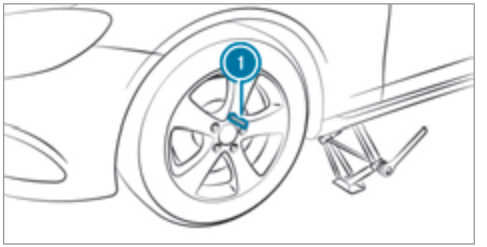
- Observe the notes in the Supplement. You could otherwise fail to recognise dangers.

When changing a wheel, avoid applying any force to the brake discs, as this could impair the level of comfort when braking.

! **NOTE** Damage to threading from dirt on wheel bolts

- Do not place wheel bolts in sand or on a dirty surface.

- Unscrew the uppermost wheel bolt completely.



- Screw centring pin (1) into the thread instead of the wheel bolt.
- Unscrew the remaining wheel bolts completely.
- Remove the wheel.

Fitting a new wheel

! **NOTE** Mercedes-AMG vehicles

- Observe the notes in the Supplement. You could otherwise fail to recognise dangers.

WARNING Risk of accident from losing a wheel

Oiled or greased wheel bolts can cause the wheel bolts to come loose, as too can damaged wheel bolts or wheel hub threads.

- Never oil or grease the threads.
- In the event of damage to the threads, contact a qualified specialist workshop immediately.
- Have the damaged wheel bolts or damaged hub threads replaced.
- Do not continue driving.

- Observe the information on the choice of tyres (→ page 400).

For tyres with a specified direction of rotation, an arrow on the side wall of the tyre indicates the correct direction of rotation. Observe the direction of rotation when fitting.

- Slide the wheel to be mounted onto the centring 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.

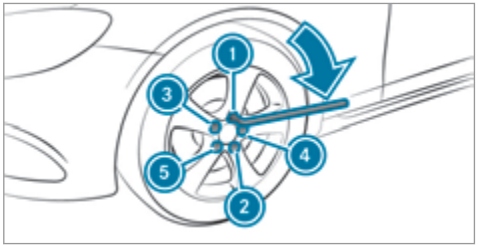
- Be sure to observe the instructions and safety notes on "Changing a wheel" (→ page 400).
- For safety reasons, only use wheel bolts which have been approved by Mercedes-Benz and for the wheel in question.
- Tighten the wheel bolts evenly in a diagonal pattern in the order indicated until they are finger-tight.
- Unscrew and remove the centring pin.
- Tighten the last wheel bolt until it is finger-tight.
- Lower the vehicle (→ page 409).

Lowering the vehicle after a wheel change

Requirements:

- The new wheel has been fitted (→ page 408).

- **To lower the vehicle:** place the ratchet onto the hexagon nut of the jack so that the letters "AB" are visible and turn anti-clockwise.



- Tighten the wheel bolts evenly in a diagonal pattern in the order indicated ① to ⑤ with an initial maximum force of 80 Nm.
- Tighten the wheel bolts evenly in a diagonal pattern in the order indicated ① to ⑤ with the specified tightening torque of 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 tyre pressure of the newly fitted wheel and adjust it if necessary.

ⓘ The following does not apply if the new wheel is an emergency spare wheel.

- **Vehicles with tyre pressure loss warning system:** restart the tyre pressure loss warning system (→ page 400).
- **Vehicles with a tyre pressure monitoring system:** restart the tyre pressure monitoring system (→ page 399).

Emergency spare wheel

Notes on the emergency spare wheel

WARNING Risk of accident caused by incorrect wheel and tyre dimensions

The wheel or tyre size and the tyre type of the emergency spare wheel or spare wheel and the wheel to be replaced may differ. The emergency spare wheel or spare wheel can significantly impair driving characteristics of the vehicle.

To prevent hazardous situations:

- Drive carefully.
- Never fit more than one emergency spare wheel or spare wheel that differs in size.
- Only use an emergency spare wheel or spare wheel briefly.
- Do not deactivate ESP®.
- Have the emergency spare wheel or spare wheel of a different size replaced at the nearest qualified specialist workshop. The new wheel must have the correct dimensions.

ⓘ The emergency spare wheel is secured in the emergency spare wheel bag in the boot.

Observe the following notes on fitting an emergency spare wheel:

- The maximum permissible speed with an emergency spare wheel fitted is 80 km/h.
- Do not fit the emergency spare wheel with snow chains.
- Replace the emergency spare wheel after six years at the latest, regardless of wear.
- Check the tyre pressure of the emergency spare wheel fitted. Correct the pressure as necessary.

ⓘ The specified tyre pressure is stated on the label of the emergency spare wheel.

ⓘ **Vehicles with a tyre pressure loss warning system:** if an emergency spare wheel is fitted, the tyre pressure loss warning system cannot function reliably. Only restart the system again when the emergency spare wheel has been replaced with a new wheel.
Vehicles with a tyre pressure monitoring system: if an emergency spare wheel is fitted, the tyre pressure monitoring system cannot function reliably. For a few minutes after an emergency spare wheel is fitted, the system may still display the tyre pressure of the removed wheel. Only restart the system again when the emergency spare wheel has been replaced with a new wheel.

Be sure to also observe the following further related subjects:

- Notes on tyre pressure (→ page 396)
- Tyre pressure table (→ page 397)
- Notes on fitting tyres (→ page 400)
- Fitting an emergency spare wheel (→ page 405)

Notes on technical data

NOTE Mercedes-AMG vehicles

- Observe the notes in the Supplement. You could otherwise fail to recognise dangers.

The technical data was determined in accordance with EU Directives. The data stated only applies to vehicles with standard equipment. You can obtain further information from a Mercedes-Benz Service Centre.

Only for certain countries: you can find vehicle-specific vehicle data in the COC documents (CERTIFICATE OF CONFORMITY). These documents are delivered with your vehicle.

On-board electronics

Notes on tampering with the engine electronics

NOTE Premature wear through improper maintenance

Improper maintenance may cause vehicle components to wear more quickly and the vehicle's operating permit may be invalidated.

- Always have work on the engine electronics and related components carried out at a qualified specialist workshop.

Two-way radios

Notes on fitting two-way radios

WARNING Risk of accident due to improper work on two-way radios

If two-way radios are manipulated or retrofitted incorrectly, the electromagnetic radiation from the two-way radios can interfere with the vehicle electronics and jeopardise the operating safety of the vehicle.

- You should have all work on electrical and electronic components carried out at a qualified specialist workshop.

WARNING Risk of accident due to improper operation of two-way radios

If you use two-way radios in the vehicle improperly, their electromagnetic radiation can disrupt the vehicle's electronics. This is the case in the following situations, in particular:

- The two-way radio is not connected to an exterior aerial.
- The exterior aerial is fitted incorrectly or is not a low-reflection aerial.

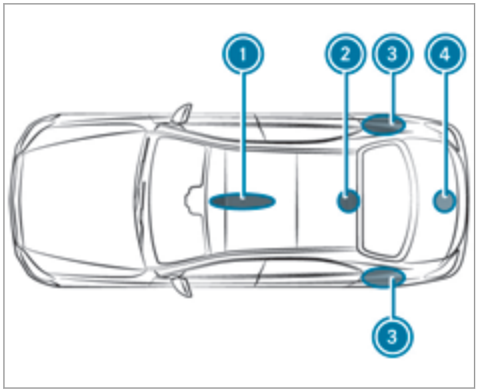
This could jeopardise the operating safety of the vehicle.

- Have the low-reflection exterior aerial fitted at a qualified specialist workshop.
- When operating two-way radios in the vehicle, always connect them to the low-reflection exterior aerial.

NOTE Invalidation of the operating permit due to failure to comply with the instructions for installation and use

The operating permit may be invalidated if the instructions for installation and use of two-way radios are not observed.

- Only use approved frequency bands.
- Observe the maximum permissible output power in these frequency bands.
- Only use approved aerial positions.



1. Front roof area
2. Rear roof area
3. Rear wings
4. Boot lid

On vehicles with a panoramic sliding sunroof, fitting an aerial to the front or rear roof area is not permitted.

On the rear wings, it is recommended that you fit the aerial on the side of the vehicle closest to the centre of the road.

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 has fittings for two-way radio equipment, use the power supply and aerial connectors provided in the pre-installation. Observe the manufacturer's supplements when fitting.

Two-way radio transmission output

The maximum transmission output (PEAK) at the base of the aerial must not exceed the values in the following table.

Frequency band and maximum transmission output

Frequency band	Maximum transmission output
Short wave 3 - 54 MHz	100 W
4 m frequency band 74 - 88 MHz	30 W
2 m frequency band 144 - 174 MHz	50 W
Terrestrial Trunked Radio (TETRA) 380 - 460 MHz	10 W
70 cm frequency band 420 - 450 MHz	35 W
Two-way radio (2G/3G/4G)	10 W

The following can be used in the vehicle without restrictions:

- two-way radios with a maximum transmission output of up to 100 mW
- RF transmitters 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)

There are no restrictions when positioning the aerial on the outside of the vehicle for the following frequency bands:

- Terrestrial Trunked Radio (TETRA)
- 70 cm frequency band
- 2G/3G/4G

Regulatory radio identification and notes

Regulatory radio identification of small components

Manufacturer information about radio-based vehicle components can be found using the key phrase "Regulatory radio identification" in the Digital Operator's Manual in the vehicle, on the internet and in the app.

Regulatory radio identification – Indonesia

Manufacturer information about radio-based vehicle components can be found using the key phrase "Regulatory radio identification – Indonesia" in the Digital Operator's Manual in the vehicle, on the internet and in the app.

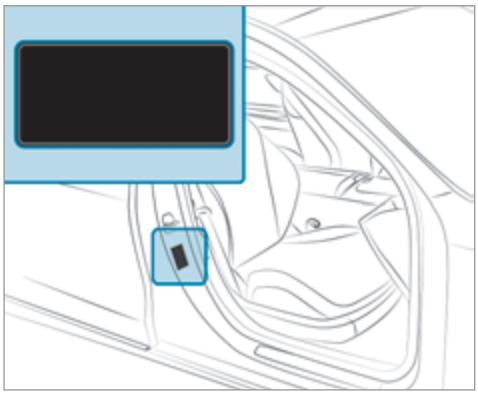
ⓘ These are not small components. Information about small components can be found using the key phrase "Regulatory radio identification of small components".

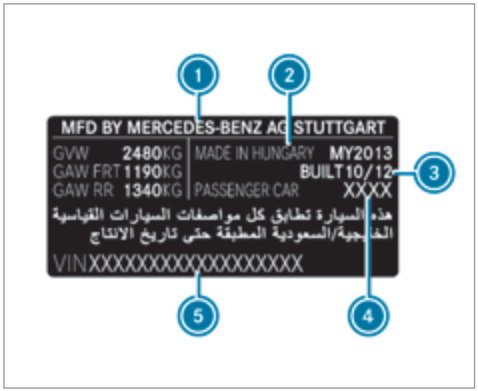
Further component-specific information

Further component-specific information can be found using the key phrase "further component-specific information" in the Digital Owner's Manual in the vehicle, on the internet and in the app.

Vehicle identification plate, VIN and engine number overview

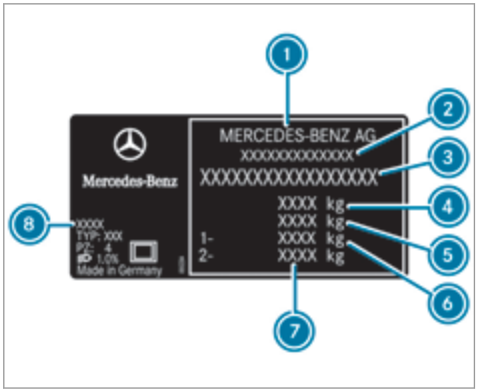
Vehicle identification plate





Vehicle identification plate (example: Kuwait)

1. Vehicle manufacturer
2. Place of manufacture
3. Manufacturing date
4. Vehicle model
5. VIN



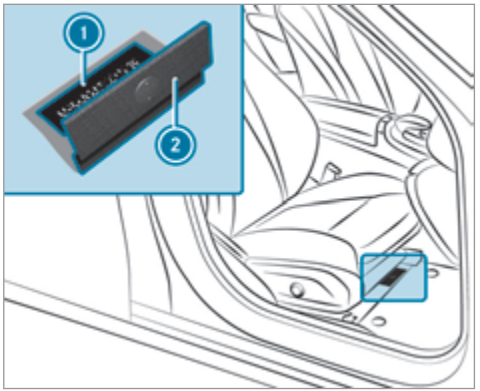
Vehicle identification plate (example: all other countries)

1. Vehicle manufacturer
2. EU general operating permit number (only for certain countries)
3. VIN (vehicle identification number)
4. Maximum permissible gross vehicle weight (kg)

⑤ Maximum permissible gross weight of vehicle combination (kg) (only for specific countries)
⑥ Maximum permissible front axle load (kg)
⑦ Maximum permissible rear axle load (kg)
⑧ Paint code

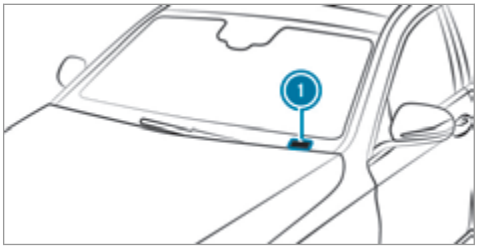
ⓘ The data shown in the illustration is example data.

VIN below the front right-hand seat



① Imprinted VIN (vehicle identification number)
② Floor covering

VIN at the lower edge of the windscreen



① VIN (vehicle identification number) as label

The VIN as a label at the lower edge of the windscreen is only available in some countries.

Engine number

The engine number is stamped into the crankcase. Further information can be obtained at a qualified specialist workshop.

Operating fluids

Notes on operating fluids

NOTE Mercedes-AMG vehicles

- Observe the notes in the Supplement. You could otherwise fail to recognise dangers.

WARNING Risk of injury from operating fluids harmful to your health

Operating fluids may be poisonous and harmful to your health.

- Observe the text on the original containers when using, storing or disposing of operating fluids.
- Always store operating fluids sealed in their original containers.
- 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:

- fuels
- DeNOx agent AdBlue® for exhaust gas aftertreatment
- lubricants
- coolant
- brake fluid
- windscreen washer fluid
- climate control system refrigerant

Only use products approved by Mercedes-Benz. Damage caused by the use of products that have not been approved is not covered by the Mercedes-Benz warranty or goodwill gestures.

The operating fluids approved by Mercedes-Benz can be identified by the following 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:

- in the Mercedes-Benz Specifications for Operating Fluids by entering the designation
  - at https://bevo.mercedes-benz.com
  - in the Mercedes-Benz BeVo App
- At a qualified specialist workshop

WARNING Risk of fire or explosion from fuel

Fuels are highly flammable.

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

WARNING Risk of injury from fuels

Fuels are poisonous and hazardous to your health.

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

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

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

Flexible-fuel vehicles can be refuelled with the following fuel types:

- unleaded petrol
- E85 fuel
- a mixture of E85 fuel and unleaded petrol

Flexible-fuel vehicles can be identified by the **Ethanol up to E85** sticker on the inside of the fuel filler flap.

Depending on the country, the fuels you can use in your vehicle may differ from the information in the Owner's Manual. The fuels that have been approved for your vehicle can be found on the instruction label on the inside of the fuel filler flap.

Fuel

Information on fuel quality for vehicles with a petrol engine

Observe the notes on operating fluids (→ page 417).

NOTE Damage caused by the wrong fuel

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

- ▶ Only refuel using unleaded, sulphur-free spark-ignition engine fuel that conforms to European EN 228, or an equivalent specification.

Fuel of this specification may contain up to 10% ethanol by volume. Your vehicle is suitable for use with E10 fuel.

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

Never refuel with one of the following fuels:

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

If you have accidentally refuelled with the wrong fuel:

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

The following compatibility indications for fuel apply to your vehicle:



1. For petrol with maximum 5% ethanol by volume
2. For petrol with maximum 10% ethanol by volume

The compatibility indications for fuel on the vehicle according to the European standard EN 16942 can be found on the information label in the fuel filler flap or on the fuel dispenser or pump nozzle suitable for your vehicle throughout Europe.

If the available fuel is not sufficiently low in sulphur, this can produce unpleasant odours.

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

E350 : Only refuel using super unleaded petrol with at least 98 RON if you wish to achieve maximum engine output. Alternatively, you can also refuel using premium-grade unleaded petrol with at least 95 RON.

As a temporary measure, if the recommended fuel is not available, you may also refuel with regular unleaded petrol with at least 91 RON.

This may reduce engine output and increase fuel consumption.

Never refuel using petrol with an even lower RON.

Further information on fuel can be obtained at a filling station or a qualified specialist workshop.

Information on additives in petrol

Observe the notes on operating fluids (→ page 417).

! NOTE Damage from use of unsuitable additives

Even small amounts of the wrong additive may lead to malfunctions occurring.

- ▶ Only add cleaning additives recommended by Mercedes-Benz to the fuel.

Mercedes-Benz recommends that you use brand-name fuels with additives.

In some countries, the fuel available may not have sufficient additives. Residue could build up in the fuel injection system as a result. In this case, in consultation with a Mercedes-Benz service centre, mix the fuel with the cleaning additive recommended by Mercedes-Benz. Observe the notes and mixing ratios indicated on the tank.

Information on fuel quality for vehicles with a diesel engine

General notes

Observe the notes on operating fluids (→ page 417).

⚠ WARNING Risk of fire from fuel mixture

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

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

! NOTE Damage caused by the wrong fuel

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

- ▶ **Vehicles with a diesel particulate filter:** Only refuel using sulphur-free diesel fuel that conforms to European standard EN 590, or an equivalent specification. In countries without sulphur-free diesel fuel, refuel using only low-sulphur diesel fuel with a sulphur content less than 50 ppm.
- ▶ **Vehicles without diesel particulate filter:** Only refuel using diesel fuel with a sulphur content less than 500 ppm.

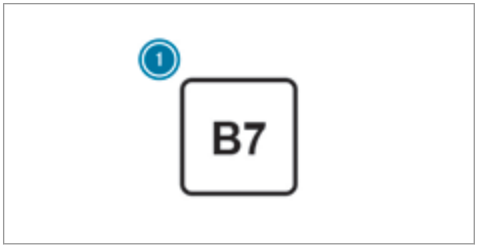
Never refuel with one of the following fuels:

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

If you have accidentally refuelled with the wrong fuel:

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

The following compatibility indication for fuel applies to your vehicle:



① For diesel fuel with a maximum of 7% by volume bio-diesel (fatty acid methyl ester)

According to European standard EN 16942 you can find the compatibility indications at the following locations:

- On the vehicle on the information label on the fuel filler flap (→ page 190)
- On the fuel dispenser or pump nozzle suitable for your vehicle throughout Europe

Information on low outside temperatures
Refuel your vehicle with as much winter diesel fuel as possible at the beginning of winter.

Before changing over to winter diesel fuel, the fuel tank should be empty, if possible. When first refuelling with winter diesel fuel, keep the fuel level low, e.g. to reserve level. The fuel tank can be filled as usual when next refuelling.

Further information on fuel can be obtained at a filling station or a qualified specialist workshop.

Tank content and fuel reserve (plug-in hybrid)
The total capacity of the fuel tank may vary, depending on the vehicle equipment.

Total capacity and reserve fuel tank

Model	Total capacity
E 300 e	50.0 litres
All other models	50.0 litres or 60.0 litres
Model	**of which reserve fuel**
All models	7.0 litres

Tank content and fuel reserve (not for plug-in hybrid)
The total capacity of the fuel tank may vary, depending on the vehicle equipment.

Total capacity and reserve fuel tank

Model	Total capacity
E 300 E 350	66.0 litres
E 450 4MATIC	66.0 litres or 80.0 litres
All other models	50.0 litres or 66.0 litres
Model	**of which reserve fuel**
E 450 4MATIC	7.0 litres or 12.0 litres
All other models	7.0 litres

AdBlue® (vehicles with a diesel engine only)

Notes on AdBlue®

Observe the notes on operating fluids (⟶ page 417).

AdBlue® is a water-soluble fluid for the NOx exhaust gas aftertreatment of diesel engines.

It may be improper or punishable in some countries to operate a vehicle that uses no AdBlue® or one that does not comply with the specifications of these operating instructions.

NOTE Malfunctions due to the dilution of AdBlue® or the use of additive-enhanced AdBlue®

The function of the NOx exhaust gas aftertreatment can be impaired by the use of unsuitable denoxification agents.

- Only use AdBlue® in accordance with ISO 22241.
- Do not dilute AdBlue® with water.
- Do not use additive-enhanced AdBlue®.

NOTE Damage and malfunctions due to impurities in AdBlue®

Consequences of impurities in AdBlue®:

- increased emission values
- damage to the catalytic converter
- NOx exhaust gas aftertreatment malfunctions

- Avoid impurities in AdBlue®.

AdBlue® residues crystallise after a period of time, and contaminate the surfaces with which they come into contact. Clean the dirty surfaces with water as soon as possible.

When you open the AdBlue® tank, small amounts of ammonia vapour may escape. Do not inhale any ammonia vapours that may be released. Only fill the AdBlue® tank in well-ventilated areas.

AdBlue® filling capacity and consumption

Not for plug-in hybrid

Model	Total capacity
All models	23.5 litres

Plug-in hybrid

Model	Total capacity
All models	23.5 litres

AdBlue® consumption

The average AdBlue® consumption is between 1% and 5% of fuel consumption. Like fuel consumption, AdBlue® consumption is highly dependent upon driving style and operating conditions. For this reason, your vehicle's actual consumption figures under day-to-day operating conditions may differ from the consumption figures calculated. The frequency at which you will have to top up AdBlue® will also vary. Have the AdBlue® supply checked at a qualified specialist workshop before making journeys outside of Europe. Before a longer stay outside of Europe, consult a qualified specialist workshop.

AdBlue® range and fill level

The AdBlue® fill level and range can be displayed via the on-board computer. The AdBlue® range shown depends strongly on the driving style and operating conditions. The actual range can therefore deviate from the range currently displayed in the on-board computer. The information supplied in the operator's manual regarding the reserve quantity at the first display warning and on the minimum top-up quantity when the fuel tank is empty is also to be understood as guide values.

Engine oil

Notes on engine oil

Observe the notes on operating fluids (→ page 417).



! **NOTE** Engine damage caused by an incorrect oil filter, incorrect oil or additives

- Do not use engine oils or oil filters other than those which meet the specifications necessary for the prescribed service intervals.
- Do not alter the engine oil or oil filter in order to achieve longer change intervals than prescribed.
- Do not use additives.
- Have the engine oil changed after the prescribed intervals.

Mercedes-Benz recommends having the oil changed at a qualified specialist workshop.

Only use engine oils approved for your vehicle by Mercedes-Benz.

Petrol engines: for certain countries, different engine oils can be used in conjunction with reduced maintenance intervals. Further information on different engine oils can be obtained at a qualified specialist workshop.

Quality and capacity of engine oil (plug-in hybrid)

Engine oil specification

Petrol engines	MB-Freigabe or MB-Approval
All models	229.5*

Petrol engines: Only use SAE 0W-40 or SAE 5W-40 viscosity class engine oils.

Engine oil specification

Diesel engines	MB-Freigabe or MB-Approval
All models	229.52*

* recommended for the lowest possible fuel consumption

To achieve the lowest possible fuel consumption, it is recommended to use the engine oil specifications marked in the table for the lowest SAE viscosity class. Observe any possible restrictions of the approved SAE viscosity classes.

ⓘ If the engine oils listed in the table are not available, you may add a maximum of 1.0 litre of the following engine oils once only.

Engine oils for one-time filling only in exceptional cases:

- **Vehicles with a petrol engine:** MB-Freigabe or MB-Approval 229.31 or ACEA C3
- **Vehicles with a diesel engine:** ACEA C3

Engine oil filling capacity

Model	Capacity
E 300 e	6.8 litres
E 300 e 4MATIC	6.6 litres
All other models	6.3 litres

The specified filling capacity refers to an oil change with the oil filter.

Quality and capacity of engine oil (not for plug-in hybrid)

Engine oil specifications

Petrol engines	MB-Freigabe or MB-Approval
E 180 E 200 E 350 E 200 4MATIC	229.51, 229.52, 229.61 229.71*
All other models	229.51, 229.52, 229.61, 229.71*, 229.72

Engine oil specifications

Diesel engines	MB-Freigabe or MB-Approval
E 400 d 4MATIC	229.52, 229.61*
All other models	229.52, 229.61, 229.71*, 229.72

* recommended for the lowest possible fuel consumption

To achieve the lowest possible fuel consumption, it is recommended to use the engine oil specifications marked in the table for the lowest SAE viscosity class. Observe any possible restrictions of the approved SAE viscosity classes.

ⓘ If the engine oils listed in the table are not available, you may add a maximum of 1.0 litre of the following engine oils once only.

Engine oils for one-time filling only in exceptional cases:

- **Vehicles with a petrol engine:** MB-Freigabe or MB-Approval 229.31 or ACEA C3
- **Vehicles with a diesel engine:**

- **E 400 d 4MATIC:** MB-Freigabe or MB-Approval 229.51 or ACEA C3
- **All other models:** ACEA C3

Engine oil filling capacity

Model	Capacity
E 200 d E 220 d E 220 d 4MATIC	6.3 litres
E 200 4MATIC	6.0 litres
E 300 d 4MATIC	6.5 litres
E 400 d 4MATIC	7.5 litres
E 450 4MATIC	8.5 litres
All other models	6.6 litres

The specified filling capacity refers to an oil change with the oil filter.

Notes on brake fluid

Observe the notes on operating fluids (→ page 417).

WARNING Risk of an accident due to vapour pockets forming in the brake system

The brake fluid constantly absorbs moisture from the air. This lowers the boiling point of the brake fluid. If the boiling point is too low, vapour pockets may form in the brake system when the brakes are applied hard.

This impairs the braking effect.

- Have the brake fluid renewed at the specified intervals.

Have the brake fluid regularly replaced at a qualified specialist workshop.
Only use a brake fluid approved by Mercedes-Benz according to MB-Freigabe or MB-Approval 331.0.

Coolant

Notes on coolant

Observe the notes on operating fluids (→ page 417).

WARNING Risk of fire- and injury from antifreeze

If antifreeze comes into contact with hot component parts in the engine compartment, it may ignite.

- Allow the engine to cool down before you top up the antifreeze.
- Make sure that no antifreeze spills out next to the filler opening.
- Thoroughly clean the antifreeze from component parts before starting the vehicle.

NOTE Damage caused by incorrect coolant

- Only use coolant that has been premixed with the required antifreeze protection.

Information on coolant is available at the following locations:

- In the Mercedes-Benz Specification for Operating Fluids 320.1
  - At https://bevo.mercedes-benz.com
  - In the Mercedes-Benz BeVo App
- At a qualified specialist workshop

NOTE Overheating at high outside temperatures

If an inappropriate coolant is used, the engine cooling system is not sufficiently protected against overheating and corrosion at high outside temperatures.

- Only use coolant approved by Mercedes-Benz.
- Observe the instructions in the Mercedes-Benz Specifications for Operating Fluids 320.1.

Have the coolant regularly replaced at a qualified specialist workshop.

Proportion of antifreeze concentrate in the engine cooling system:

- A minimum of 50% (antifreeze protection down to about -37°C)
- A maximum of 55% (antifreeze protection down to -45°C)

Notes on windscreen washer fluid

Observe the notes on operating fluids (→ page 417).

WARNING - Risk of fire and injury due to windscreen washer concentrate

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

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

NOTE Damage to the exterior lighting due to unsuitable windscreen washer fluid

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

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

NOTE Blocked spray nozzles caused by mixing windscreen washer fluids

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

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

Recommended windscreen washer fluid:

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

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

Mix washer fluid with windscreen washer fluid all year round.

Vehicle data

Information regarding the vehicle data

The vehicle data specified may vary as a result of the following factors:

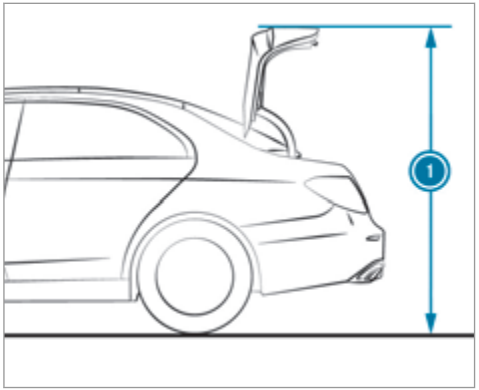
Factors:

- tyres
- load
- condition of the suspension
- optional equipment

In addition, the following applies to the specified vehicle data:

- Items of optional equipment increase the unladen weight and reduce the payload.
- Vehicle-specific weight information can be found on the vehicle identification plate (→ page 415).

Height when opened



1 Height when opened

Vehicle dimensions (plug-in hybrid)

Missing values were not available at the time of going to press.

Height when opened

Model	Height when opened
All models	

Vehicle dimensions

All models	
Vehicle length	4935 mm
Vehicle width including outside mirrors	2065 mm
Vehicle width excluding outside mirrors	1852 mm
Wheelbase	2939 mm
Model	**Vehicle height**
E 300 e E 300 de	1475 mm
All other models	1481 mm

Vehicle dimensions (not for plug-in hybrid)

Missing values were not available at the time of going to press.

Height when opened

Models	Height when opened
All models	

Vehicle dimensions

All models	
Vehicle length	4935 mm
Vehicle width including outside mirrors	2065 mm
Vehicle width excluding outside mirrors	1852 mm
Wheelbase	2939 mm

Vehicle height

Model	Vehicle height
E 200 4MATIC E 220 d 4MATIC E 300 d 4MATIC	1466 mm
E 400 d 4MATIC E 450 4MATIC	1467 mm
All other models	1460 mm

Weights and loads (plug-in hybrid)

Roof load

Model	Maximum roof load
All models	100 kg

Weights and loads (not for plug-in hybrid)

Roof load

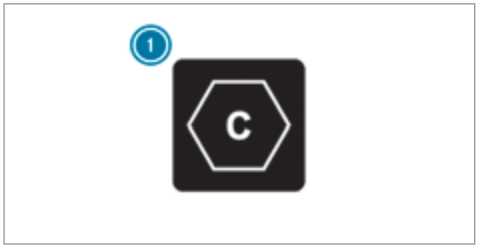
Model	Maximum roof load
All models	100 kg

High-voltage battery (plug-in hybrid)

Notes on the power supply for vehicles with a high-voltage battery

In accordance with European standard EN 17186:2019, vehicle identifiers are located on the vehicle in the following places:

- On the inside of the socket flap
- On the charging cable connector



1 Supply type: AC
Standard: EN 62196-2
Style: type 2
Plug type: charging cable socket and vehicle plug

For further information on charging the high-voltage battery, refer to the "Charging the high-voltage battery" section (→ page 196).

Missing values were not available at the time of going to press.

Maximum battery capacity and charging times

All models	
Type	Lithium-ion
Maximum energy content	13.5 kWh
Range in electric-only mode	
Charge time – mode 3 with 7.4 kW charging capacity	Approx. 1 h 30 min
Charge time – mode 2 with 3.7 kW charging capacity	Approx. 2 h 45 min
Charge time – mode 2 with 2.3 kW charging capacity	Approx. 5 h
Charge time – mode 2 with 1.8 kW charging capacity	Approx. 6 h 30 min

Charge times – modes 2 and 3 apply to alternating current charging from 10% to 100% of the usable energy content.

The time taken to charge the battery depends on the charge status of the battery, the ambient temperature and the charging capacity of the battery. The charging capacity, in turn, depends on the supply voltage, the current intensity and the type of power supply.

The nominal voltage range for your vehicle can be found on the information label in the socket cover (→ page 196).

Trailer hitch

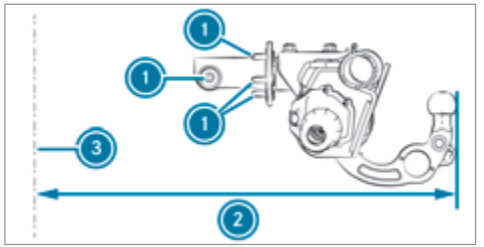
General notes on the trailer hitch

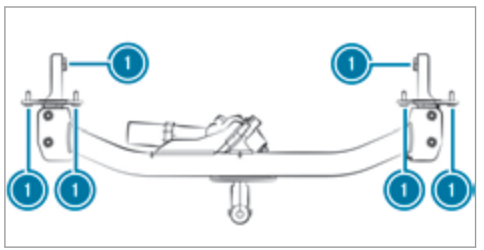
Modifications to the engine cooling system may be necessary, depending on the vehicle model. The retrofitting of a trailer hitch is only permissible if a towing capacity is specified in your vehicle documents.

Further information can be obtained at a qualified specialist workshop.

Also observe the notes on towing a trailer (→ page 272).

Mounting dimensions of the trailer hitch





1 Fastening points
2 Overhang dimension
3 Rear axle centre line

The overhang dimension and fastening points are valid for a trailer hitch installed at the factory.

Notes on the 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 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.

When using a bicycle rack, observe the information on the function of the bicycle rack and the additional notes on the maximum load capacity (→ page 278).

Technical data on the tongue weight and load capacity (→ page 431).

Overhang dimension for the trailer hitch (plug-in hybrid)

The overhang dimension is valid for a trailer hitch installed at the factory.

Overhang dimension length

Model	Overhang dimension
All models	1243 mm

Overhang dimension for the trailer hitch (not for plug-in hybrid)

The overhang dimension is valid for a trailer hitch installed at the factory.

Overhang dimension length

Model	Overhang dimension
All models	1243 mm

Trailer load (plug-in hybrid)

The tongue weight is not included in the towing capacity.

Towing capacity, braked (at a minimum start-off gradeability of 12%)

Model	Towing capacity
All models	2100 kg

Towing capacity, unbraked

Model	Towing capacity
All models	750 kg

Trailer load (not for plug-in hybrid)

The tongue weight is not included in the towing capacity.

Towing capacity, braked (at a minimum start-off gradeability of 12%)

Model	Towing capacity, braked
E 200	1900 kg
All other models	2100 kg

Towing capacity, unbraked

Model	Towing capacity, unbraked
All models	750 kg

Maximum tongue weight and load capacity (plug-in hybrid)

Observe the additional notes on load capacity (→ page 278).

Tongue weight

Model	Maximum tongue weight
All models	84 kg

Missing values were not available at the time of going to press.

Load capacity

Model	Maximum load
All models	

Maximum tongue weight and load capacity (not for plug-in hybrid)

Observe the additional notes on load capacity (→ page 278).

Tongue weight

Model	Maximum tongue weight
All models	84 kg

Missing values were not available at the time of going to press.

Load capacity

Model	Maximum load
All models	

Permissible rear axle load (plug-in hybrid)

Trailer operation axle load

Model	Axle load
All models	1620 kg

Permissible rear axle load (not for plug-in hybrid)

Trailer operation axle load

Model	Axle load
E 200	1400 kg
E 200 4MATIC	1410 kg
E 200 d E 220 d	1415 kg
E 220 d 4MATIC	1420 kg
E 300	1425 kg
E 300 d 4MATIC	1455 kg
E 400 d 4MATIC	1440 kg
E 450 4MATIC	1460 kg

Display messages

Introduction

Information about display messages

Display messages appear on the instrument display.

Display messages with graphic symbols are simplified in the Owner's Manual and may differ from the symbols on the instrument display. The instrument display shows high-priority display messages in red. Certain display messages are accompanied by a warning tone.

Please act in accordance with the display messages and follow the additional notes in the Owner's Manual.

For some display messages, symbols will also be shown:

- ⓘ Further information
- × Hide display message

With the left-hand Touch Control, you can select the respective symbol by swiping to the left or right. Pressing ⓘ displays further information on the media display. Press the × symbol to hide the display message.

You can hide low-priority display messages by pressing the back button ↩ or 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 instrument display will show these display messages permanently until the cause of the display message has been rectified.

Calling up saved display messages

On-board computer:

Service ▸▸ 1 message

If there are no display messages, No messages will appear on the instrument display.

- Scroll through the display messages by swiping upwards or downwards on the left-hand Touch Control.
- **To exit the message memory:** press the back button ↩.

Occupant safety

Display messages	Possible causes/consequences and ▶ Solutions
 Restraint sys. malfunction Consult workshop	* The restraint system is malfunctioning (⟶ page 44). **⚠ WARNING** Risk of injury due to malfunctions in the restraint system Components in the restraint system may be activated unintentionally or not deploy as intended in an accident. ▶ Have the restraint system checked and repaired immediately at a qualified specialist workshop. **Plug-in hybrid:** **⚠ DANGER** Risk of fatal injuries due to restraint system malfunctions Components in the restraint system may be activated unintentionally or not deploy as planned in an accident. In the event of an accident, the high-voltage on-board electrical system may not be deactivated as intended. You may suffer an electric shock if you touch the damaged components of the high-voltage on-board electrical system. ▶ Have the restraint system checked and repaired immediately at a qualified specialist workshop. ▶ After an accident, switch off the vehicle immediately.

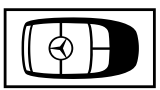
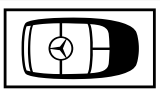
Display messages	Possible causes/consequences and ▶ Solutions
 Front left malfunction Consult workshop (example)	* The corresponding restraint system is malfunctioning (→ page 44). **⚠ WARNING** Risk of injury due to malfunctions in the restraint system Components in the restraint system may be activated unintentionally or not deploy as intended in an accident. ▶ Have the restraint system checked and repaired immediately at a qualified specialist workshop. **Plug-in hybrid:** **⚠ DANGER** Risk of fatal injuries due to restraint system malfunctions Components in the restraint system may be activated unintentionally or not deploy as planned in an accident. In the event of an accident, the high-voltage on-board electrical system may not be deactivated as intended. You may suffer an electric shock if you touch the damaged components of the high-voltage on-board electrical system. ▶ Have the restraint system checked and repaired immediately at a qualified specialist workshop. ▶ After an accident, switch off the vehicle immediately.

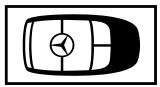
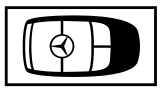
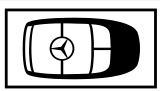
Display messages	Possible causes/consequences and ▶ Solutions
 Left windowbag malfunction Consult workshop (example)	* The corresponding restraint system is malfunctioning (⟶ page 44). **⚠ WARNING** Risk of injury or fatal injury due to a malfunction in the windowbag The windowbag might be triggered unintentionally or might not be triggered at all in the event of an accident. ▶ Have the windowbag checked and repaired immediately at a qualified specialist workshop.
Front-passenger airbag disabled See Owner's Manual	* The front passenger airbag has been disabled even though an adult or a person of adult build is on the front passenger seat. If additional forces are applied to the seat, the weight the system detects may be too low. **⚠ WARNING** - Risk of injury or even fatal injury when the front passenger airbag is disabled If the front passenger airbag is disabled, It will not be deployed in the event of an accident and cannot perform its intended protective function. A person in the front passenger seat could then, for example, come into contact with the vehicle interior, especially if the person is sitting too close to the dashboard. ▶ Be aware of the status of the front passenger airbag both before and during the journey. ▶ Stop the vehicle immediately in accordance with the traffic conditions. ▶ Make sure that no objects are trapped under the front passenger seat. ▶ Check the status of automatic front passenger airbag actuation (⟶ page 54). ▶ If necessary, consult a qualified specialist workshop immediately.

Display messages	Possible causes/consequences and ▶ Solutions
Front-passenger airbag enabled See Owner's Manual	* The front passenger airbag will be enabled while the vehicle is in motion in the following situations: • even when a child, a small adult or an object weighing less than the system weight threshold is located on the front passenger seat • even when the front passenger seat is not occupied The system may detect objects or forces that are adding to the weight applied to the seat. ⚠ **WARNING** Risk of injury or death when using a child restraint system while the front passenger airbag is enabled If you secure a child in a child restraint system on the front passenger seat and the front passenger airbag is enabled, the front passenger airbag can deploy in the event of an accident. The child could be struck by the airbag. ▶ Ensure, both before and during the journey, that the status of the front passenger airbag is correct. NEVER use a rearward facing child restraint on a seat protected by an ACTIVE AIRBAG in front of it, DEATH or SERIOUS INJURY to the CHILD can occur. ▶ Stop the vehicle immediately in accordance with the traffic conditions. ▶ Make sure that no objects are trapped under the front passenger seat. ▶ Check the status of automatic front passenger airbag actuation (→ page 54). ▶ If necessary, consult a qualified specialist workshop immediately.

Display messages	Possible causes/consequences and ▶ Solutions
PRE-SAFE inoperative See Owner's Manual	* The PRE-SAFE® functions are malfunctioning. ▶ Consult a qualified specialist workshop.
PRE-SAFE impulse side inoperative See Owner's Manual	* The PRE-SAFE® Impulse Side system is malfunctioning or inoperative after having already been triggered. ▶ Consult a qualified specialist workshop.

Key

Display messages	Possible causes/consequences and ▶ Solutions
 Replace key	* Have the key replaced. ▶ Consult a qualified specialist workshop.
 Change key batteries	* The key battery is discharged. ▶ Replace the battery (→ page 80).

Display messages	Possible causes/consequences and ▶ Solutions
 Key not detected (white display message)	* The key is currently undetected. ▶ Change the location of the key in the vehicle. ▶ If the key is still not recognised, place it in the slot for starting with the key (→ page 168).
 Key not detected (red display message)	* The key cannot be detected and may no longer be in the vehicle. The key is no longer in the vehicle and you switch off the vehicle: • You can no longer start the vehicle. • You cannot centrally lock the vehicle. ▶ Ensure that the key is in the vehicle. If the key detection function has a malfunction due to a strong radio signal source: ▶ Stop the vehicle immediately in accordance with the traffic conditions. ▶ Place the key in the slot for starting the engine with the key (→ page 168).
 Key being initialised Please wait	* The vehicle is processing in order to teach in the new key. ▶ Wait until processing is complete.

Display messages	Possible causes/consequences and ▶ Solutions
Place the key in the marked space See Owner's Manual	* Key detection is malfunctioning. ▶ Change the location of the key in the vehicle. ▶ Place the key in the slot for starting the engine with the key (→ page 168).

Lights

Display messages	Possible causes/consequences and ▶ Solutions
 Left dipped beam (example)	* The corresponding light source is defective. ▶ Drive on carefully. ▶ Consult a qualified specialist workshop immediately. ⓘ LED light sources: the display message for the corresponding light appears only when all the light-emitting diodes in the light are faulty.
 Malfunction See Owner's Manual	* The exterior lighting is malfunctioning. ▶ Consult a qualified specialist workshop. * **Vehicles with a trailer hitch:** a fuse may have blown. ▶ Stop the vehicle in accordance with the traffic conditions. ▶ Check the fuses and replace them if necessary (→ page 392).

Display messages	Possible causes/consequences and ▶ Solutions
 Automatic driving lights inoperative	* The light sensor for automatic driving lights is malfunctioning. ▶ Consult a qualified specialist workshop.
 Active Light System inoperative	* The active headlamps are malfunctioning. ▶ Consult a qualified specialist workshop.
 Switch on headlamps	* You are driving without low-beam headlamps. ▶ Turn the light switch to the ≡D or AUTO position.
 Switch off lights	* You are leaving the vehicle and the lights are still switched on. ▶ Turn the light switch to the AUTO position.

Display messages	Possible causes/consequences and ▶ Solutions
 Intelligent Light System inoperative	* The Intelligent Light System is malfunctioning. The lighting system continues to function properly without the functions of the Intelligent Light System. ▶ Consult a qualified specialist workshop.
Adaptive Highbeam Assist currently unavailable See Owner's Manual	* Adaptive Highbeam Assist is temporarily unavailable. The system limits have been reached (→ page 139). Once the cause of the problem is no longer present, the system will be available again. The Adaptive Highbeam Assist available again display message will appear. ▶ Drive on ▶ Operate the high beam manually until Adaptive High Beam Assist is available again.
Adaptive Highbeam Assist inoperative	* Adaptive Highbeam Assist is malfunctioning. ▶ 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. ▶ Until then, operate the high beam manually.

Display messages	Possible causes/consequences and ▶ Solutions
Adaptive Highbeam Assist Plus currently unavailable See Owner's Manual	* Adaptive Highbeam Assist Plus is temporarily unavailable. The system limits have been reached (→ page 140). Once the cause of the problem is no longer present, the system will be available again. The Adaptive Highbeam Assist Plus available again display message will appear. ▶ Drive on ▶ Operate the high beam manually until Adaptive High Beam Assist Plus is available again.
Adaptive Highbeam Assist Plus inoperative	* Adaptive Highbeam Assist Plus is malfunctioning. ▶ 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. ▶ Until then, operate the high beam manually.
Hazard warning lamps malfunctioning	* The hazard warning lamp switch is malfunctioning. ▶ Consult a qualified specialist workshop.

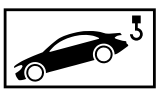
Climate control

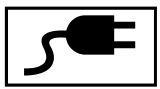
Display messages	Possible causes/consequences and ▶ Solutions
 inoperative See Owner's Man.	* The stationary heater is temporarily malfunctioning. ▶ When the vehicle is stationary on a level surface and the engine has cooled down, make up to four attempts to switch on the stationary heater, waiting several minutes between each attempt. ▶ If the stationary heater does not switch on, consult a qualified specialist workshop.
 inoperative Battery low	* The on-board electrical system voltage is too low. The stationary heater has switched itself off. ▶ Drive an extended distance until the battery has reached a sufficient charge level again.
 inoperative Refuel vehicle	* There is too little fuel in the fuel tank. The stationary heater cannot be switched on. ▶ Refuel the vehicle.

Display messages	Possible causes/consequences and ▶ Solutions
 inoperative High-voltage battery charging incomplete	* The high-voltage battery is charging. Pre-entry climate control cannot be switched on. ▶ Wait until the charging process has achieved a minimum charge.
 inoperative Charge HV battery	* The charge of the high-voltage battery is too low. Pre-entry climate control cannot be switched on. ▶ Charge the high-voltage battery.
 Pre-entry climate control (via key) available again after engine start	* You have attempted to switch on pre-entry climate control more than twice with the engine switched off. ▶ Start the vehicle for ten seconds. Pre-entry climate control is operational again.

Display messages	Possible causes/consequences and ▶ Solutions
 Pre-entry climate control (via key) inoperative HV-battery low	* The charge of the high-voltage battery is too low. Pre-entry climate control cannot be switched on. ▶ Charge the high-voltage battery. When the high-voltage battery is sufficiently charged, pre-entry climate control will be operational again.

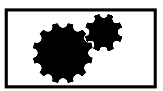
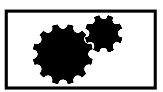
Hybrid system

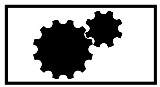
Display messages	Possible causes/consequences and ▶ Solutions
 Towing not permitted See Owner's Manual	* The drive system is malfunctioning. ▶ Have the vehicle transported only using a transporter or trailer (→ page 387).

Display messages	Possible causes/consequences and ▶ Solutions
 Acoustic presence indicator inoperative	* The sound generator (acoustic vehicle warning system) is malfunctioning. No driving noises are being produced. The vehicle may not be heard by other road users. ▶ Drive with particular care. ▶ Consult a qualified specialist workshop.
 Charger cable connected	* You cannot pull away while the charging cable is connected. ▶ Disconnect the charging cable from the vehicle.
Not possible to unlock charging cable See Owner's Manual	* The charging cable connector cannot be removed from the charging station's socket. ▶ Press the EMERGENCY OFF switch on the charging station. If the charging cable connector cannot be removed after that: ▶ Request service personnel from the operator of the charging station via the emergency call button attached to the charging station or the emergency call numbers.
Vehicle not currently being charged Charging station fault	* A malfunction has occurred in the charging station or the RFID card is not recognised. ▶ Start the charging process at a different charging station. or ▶ Have the RFID card checked to ensure it is functioning.

Display messages	Possible causes/consequences and ▶ Solutions
Charging method currently unavailable Please try again or change charging method	* A temporary malfunction has occurred in the charging station. ▶ Wait until the malfunction has passed. or ▶ Start the charging process at a different charging station.
Charging fault Please change charging method See Owner's Manual	* A temporary malfunction has occurred in the charging station. ▶ Wait until the malfunction has passed. or ▶ Start the charging process at a different charging station.
Only electric drive available Power limited	* The fuel tank is empty and the combustion engine is switched off. The output of your vehicle is limited because you are driving in electric mode. ▶ Refuel immediately. If there is fuel in the vehicle, there is a fault with the combustion engine. ▶ Consult a qualified specialist workshop.
"Electric" drive program currently unavailable	* The charge level of the high-voltage battery is not sufficient for the Electric drive program. Charge the high-voltage battery (→ page 196).
Reduced drive system performance See Owner's Manual	* The drive system switches to emergency operation mode due to a malfunction. ▶ Drive on carefully.

Display messages	Possible causes/consequences and ▶ Solutions
	▶ Consult a qualified specialist workshop.
 Battery overheated Stop, everybody out! Outdoors if possible	* The high-voltage battery has overheated. There is a risk of fire. ▶ Stop the vehicle immediately in accordance with the traffic conditions. ▶ If possible, stop the vehicle in the open air and ensure that all vehicle occupants get out. ⓘ Supporting vehicle functions may activate automatically, e.g. the air-recirculation mode as part of climate control. ▶ Do not continue driving. ▶ If smoke is present, leave the danger zone and call the fire service immediately. ▶ Consult a qualified specialist workshop even if there are no external signs of a fire.
 Malfunction	* The drive system is malfunctioning. A warning tone will also sound. ▶ Consult a qualified specialist workshop. * There is a serious malfunction if the display message and warning tone are repeated at short intervals. You must stop the vehicle immediately in accordance with the traffic conditions because the drive system is automatically deactivated. ▶ Stop the vehicle immediately in accordance with the traffic conditions. ▶ Switch off the vehicle and consult a qualified specialist workshop.

Display messages	Possible causes/consequences and ▶ Solutions
 Malfunction Visit workshop	* The drive system is malfunctioning. ▶ Consult a qualified specialist workshop.
Without changing gear, consult workshop	* The drive system cannot be restarted due to a malfunction. If the transmission position is changed using the DIRECT SELECT lever, the drive system will be switched off in park position P or neutral N. ▶ Consult a qualified specialist workshop and do not change the transmission position.
Without starting engine again, consult workshop	* It is not possible to restart the drive system due to a malfunction. ▶ Do not switch off the drive system; drive on to the nearest qualified specialist workshop.
 Malfunction	* The drive system is malfunctioning. The output of your vehicle is restricted. ▶ Consult a qualified specialist workshop.
 Stop Switch engine off	* 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.

Display messages	Possible causes/consequences and ▶ Solutions
	▶ Consult a qualified specialist workshop.
 Performance severely limited	* The drive system is outside the normal operating temperature range, e.g. due to extremely low or high outside temperatures. The output is severely restricted. Once the operating temperature of the drive system returns to normal, the full output will be available again. The display message will disappear. * If the drive system power output is still reduced, there is a fault in the drive system. ▶ Drive on carefully. ▶ Consult a qualified specialist workshop.
 Please wait Depressurising tank	* **Vehicles with petrol engines:** the pressure in the fuel tank is reduced before the fuel filler flap is opened. The pressure reduction can take up to 15 minutes.
 Tank is depressurised Ready for refuelling	* **Vehicles with petrol engines:** the pressure in the fuel tank is released and the fuel filler flap opens.

Display messages	Possible causes/consequences and ▶ Solutions
 Tank ventilation Malfunction Consult workshop	* **Vehicles with petrol engines:** There is a malfunction in the fuel system. ▶ Consult a qualified specialist workshop.

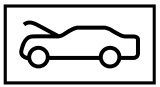
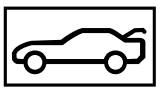
Vehicle

Display messages	Possible causes/consequences and ▶ Solutions
 Vehicle is operational Switch off ignition before exiting	* You are leaving the vehicle in a ready-to-drive state. ▶ 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
 Operation only possible in transmission position P	* The ball neck will not swivel because transmission position D, R or neutral N is selected. ▶ Depress the brake pedal. ▶ Engage park position P.
 Trailer coupling extending...	* The ball neck is retracting/extending. Do not attempt to speed up, slow down or initiate the swivel movement using your hand, foot or other aids. During the swivel movement, do not couple a trailer. When the ball neck has reached an operational position, the display message will disappear.
 Check trailer hitch lock (white display message)	* The trailer hitch is not operational during a journey with a trailer. ⚠ **WARNING** Risk of an accident if the ball neck is not locked The trailer may become detached. ▶ Stop the vehicle immediately in accordance with the traffic conditions. Do not continue driving. ▶ Uncouple the trailer and secure it against rolling away. ▶ Initiate a new swivel movement and do not re-couple the trailer until the warning/indicator lamp goes out. ▶ Initiate a new swivel movement (→ page 273). ▶ When the display message disappears, couple up the trailer and drive on.

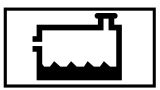
Display messages	Possible causes/consequences and ▶ Solutions
	If the display message does not disappear, the trailer hitch is malfunctioning and the ball neck is not locked. ▶ Do not couple up the trailer. Drive on without the trailer. Note the reduced ground clearance due to the unlocked ball neck. ▶ Consult a qualified specialist workshop. * When the vehicle is stationary with a coupled trailer, the trailer hitch is not operational. ▶ Uncouple the coupled trailer and secure it against rolling away. ▶ **If the ball neck has been retracted:** initiate a new swivel movement (→ page 273). The ball neck will engage vertically in the locked position and then engage beneath the bumper. ▶ **If the ball neck has been extended:** initiate a new swivel movement (→ page 273). The ball neck will engage beneath the bumper. If the display message does not disappear, the trailer hitch is malfunctioning and the ball neck is not locked. ▶ Do not couple up the trailer. Drive on without the trailer. Note the reduced ground clearance due to the unlocked ball neck. ▶ Consult a qualified specialist workshop.
Head-up display currently unavailable See Owner's Manual	* The head-up display is temporarily unavailable. Possible causes: • malfunctions in the power supply • signal interference ▶ Stop in accordance with the traffic conditions and switch the vehicle off and on again.

Display messages	Possible causes/consequences and ▶ Solutions
	▶ If the display message still appears, consult a qualified specialist workshop.
Head-up display inoperative	* The head-up display has an internal error. ▶ Consult a qualified specialist workshop.
 Steering malfunction Increased physical effort See Owner's Manual	* The power steering assistance is malfunctioning. ⚠ **WARNING** Risk of an accident due to altered steering characteristics If the power assistance of the steering fails partially or completely, you will need to use more force to steer. ▶ If safe steering is possible, drive on carefully. ▶ Visit or consult a qualified specialist workshop immediately.
 Steering malfunction Stop immediately See Owner's Manual	* The steering is malfunctioning. Steering capability is significantly impaired. ⚠ **WARNING** Risk of accident if steering capability is impaired If the steering does not function as intended, the vehicle's operating safety is jeopardised. ▶ Pull over and stop the vehicle safely as soon as possible, paying attention to road and traffic conditions. Do not continue driving under any circumstances. ▶ Consult a qualified specialist workshop.
Active bonnet malfunction See Owner's Manual	* The active bonnet (pedestrian protection) is malfunctioning or inoperative after having already been triggered. ▶ Consult a qualified specialist workshop.

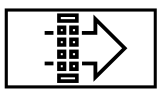
Display messages	Possible causes/consequences and ▶ Solutions
	* At least one door is open. ▶ Close all doors.
	* The bonnet is open. ⚠ **WARNING** Risk of accident due to driving with the bonnet unlocked The bonnet may open and block your view. ▶ Never release the bonnet when driving. ▶ Before every trip, ensure that the engine bonnet is locked. ▶ Stop the vehicle immediately in accordance with the traffic conditions. ▶ Close the bonnet.
	* The boot lid is open. ⚠ **DANGER** Risk of exhaust gas poisoning Combustion engines emit poisonous exhaust gases such as carbon monoxide. Exhaust gases can enter the vehicle interior if the boot lid is open when the vehicle is running, especially if the vehicle is in motion. ▶ Always switch off the vehicle before opening the boot lid. ▶ Never drive with the boot lid open.

Display messages	Possible causes/consequences and ▶ Solutions
	▶ Close the boot lid.
 Rear left seat backrest not locked (Example)	* The seat backrest of the corresponding seat is not engaged. ▶ Fold the seat backrest back until it engages.
 Top up washer fluid	* The washer fluid level in the washer fluid reservoir has dropped below the minimum. ▶ Top up the washer fluid (⟶ page 366).
Wiper malfunctioning	* The windscreen wiper is malfunctioning. ▶ Restart the vehicle. If the display message still appears: ▶ Consult a qualified specialist workshop.

Engine

Display messages	Possible causes/consequences and ▶ Solutions
To switch off the engine, press the Start/Stop button for at least 3 seconds or 3 times.	* You have pressed the start/stop button while the vehicle is in motion. ▶ Information about switching off the vehicle while driving (→ page 168).
Cannot start engine See Owner's Manual	* The vehicle cannot be started. ▶ Switch the vehicle off and switch it back on ▶ If the display message still appears, consult a qualified specialist workshop.
 Top up coolant See Owner's Manual	* The coolant level is too low. ! **NOTE** Engine damage due to insufficient coolant ▶ Avoid long journeys with insufficient coolant. ▶ Add coolant (→ page 365). ▶ Have the engine cooling system checked at a qualified specialist workshop.

Display messages	Possible causes/consequences and ▶ Solutions
 Coolant Stop vehicle Switch engine off	* The coolant is too hot. ▶ Stop immediately in accordance with the traffic conditions and switch off the vehicle. ⚠ **WARNING** Risk of burns when opening the bonnet If you open the bonnet in the event of an overheated engine or fire in the engine compartment, the following situations may occur: • You may come into contact with hot gases. • You may come into contact with other escaping hot operating fluids. ▶ Before opening the bonnet, allow the engine to cool down. ▶ In the event of a fire in the engine compartment, keep the bonnet closed and call the fire service. ▶ Wait until the engine has cooled down. ▶ Make sure that the air supply to the radiator is not obstructed. ▶ Avoiding high loads on the engine, drive to the nearest qualified specialist workshop. In doing so, ensure that the coolant temperature display remains below 120 °C.
	* There is a malfunction in the engine cooling system. ▶ Avoiding high loads on the engine, drive to the nearest qualified specialist workshop. In doing so, ensure that the coolant temperature display remains below 120 °C.

Display messages	Possible causes/consequences and ▶ Solutions
 Reserve fuel level	* The fuel supply has dropped into the reserve range. ▶ Refuel.
 Clean the fuel filter	* **Vehicles with diesel engines:** the fuel filter is dirty or the water in the fuel filter needs to be drained. ▶ Consult a qualified specialist workshop.
 Replace air cleaner	* **Vehicles with diesel engines:** the engine air filter is dirty and must be replaced. ▶ Consult a qualified specialist workshop.

Transmission

Display messages	Possible causes/consequences and ▶ Solutions
Only select Park (P) when vehicle is stationary	* It is possible to select the park position P only if the vehicle is stationary. ▶ Depress the brake pedal to stop.

Display messages	Possible causes/consequences and ▶ Solutions
	▶ Shift the transmission to park position P when the vehicle is stationary.
Apply brake to deselect Park (P) position	* You have attempted to shift the transmission out of park position P and into another transmission position. ▶ Depress the brake pedal. ▶ Select transmission position D, R or neutral N.
To shift out of P or N, depress brake and start engine	* You have attempted to shift the transmission out of park position P or neutral N and into another transmission position. ▶ Depress the brake pedal. ▶ Start the vehicle. ▶ Change the transmission position.
Apply brake to select D or R	* You have attempted to select transmission position D or R. ▶ Depress the brake pedal. ▶ Select transmission position D or R.
Apply brake to select R	* You have attempted to select transmission position R. ▶ Depress the brake pedal. ▶ Select transmission position R.
Risk of vehicle rolling Driver door open and transmission not in P	* The driver's door is not fully closed and transmission position D, R or neutral N is selected. The vehicle may roll away.

Display messages	Possible causes/consequences and ▶ Solutions
	▶ Select park position P when switching off the vehicle.
N permanently active Risk of vehicle rolling	* Neutral N has been selected while the vehicle is rolling or while you are driving. ▶ Depress the brake pedal to stop. ▶ Shift the transmission to park position P while the vehicle is stationary. ▶ To continue driving, select transmission position D or R.
Without changing gear, consult workshop	* The transmission is malfunctioning. It is no longer possible to change the transmission position. ▶ 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.
Reversing not poss. Consult workshop	* The transmission is malfunctioning. It is not possible to select transmission position R. ▶ Consult a qualified specialist workshop.
Transmission Malfunction Stop	* The transmission is malfunctioning. The transmission shifts to neutral N automatically. ▶ Stop the vehicle immediately in accordance with the traffic conditions. ▶ Depress the brake pedal. ▶ Engage park position P. ▶ Consult a qualified specialist workshop.

Display messages	Possible causes/consequences and ▶ Solutions
Stop vehicle Leave engine running Wait Transmission cooling	* The transmission is overheating. Pulling away may be temporarily impaired or not possible. ▶ Stop the vehicle immediately in accordance with the traffic conditions. Do not continue driving. ▶ Leave the engine running. ▶ Wait until the display message disappears before pulling away.
Auxiliary battery malfunction (white display message)	* **Vehicles with automatic transmission:** The auxiliary battery for the transmission is no longer being charged. ▶ Consult a qualified specialist workshop. ▶ **Vehicles with automatic transmission:** until then, always select park position P before you switch off the vehicle. ▶ Before leaving the vehicle, apply the electric parking brake.
Auxiliary battery malfunction (red display message)	* **Vehicles with automatic transmission:** The auxiliary battery for the transmission is no longer being charged. ▶ Consult a qualified specialist workshop. ▶ **Vehicles with automatic transmission:** until then, always select park position P before you switch off the vehicle. ▶ Before leaving the vehicle, apply the electric parking brake.

Brakes

Display messages	Possible causes/consequences and ▶ Solutions
 Parking brake See Owner's Manual	* The yellow (P) indicator lamp is lit. The electric parking brake is malfunctioning. **To apply:** ▶ Switch the vehicle off and switch it back on ▶ Apply the electric parking brake manually (→ page 214). If it is not possible to apply the electric parking brake: ▶ Consult a qualified specialist workshop. ▶ Where necessary, also secure the parked vehicle against rolling away. * The yellow (P) indicator lamp and the red (P) indicator lamp are lit. The electric parking brake is malfunctioning. **To release:** ▶ Switch the vehicle off and switch it back on ▶ Release the electric parking brake manually (→ page 214). or ▶ Release the electric parking brake automatically (→ page 213). If it is still not possible to release the electric parking brake: ▶ Do not continue driving. Consult a qualified specialist workshop. * The yellow (P) indicator lamp is lit and the red (P) indicator lamp is flashing. The electric parking brake is malfunctioning.

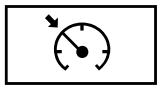
Display messages	Possible causes/consequences and ▶ Solutions
	The electric parking brake could not be applied or released. ▶ Switch the vehicle off and switch it back on **To apply:** ▶ Release and then apply the electric parking brake manually (→ page 214). **To release:** ▶ Apply and then release the electric parking brake manually. If it is not possible to apply the electric parking brake or the red Ⓟ indicator lamp continues to flash: ▶ Do not continue driving. Consult a qualified specialist workshop. ▶ Where necessary, also secure the parked vehicle against rolling away.
	* The yellow Ⓟ indicator lamp is lit and the red Ⓟ indicator lamp flashes for approximately ten seconds after the electric parking brake has been applied or released. It then remains lit or goes out. The electric parking brake is malfunctioning. **If the state of charge is too low:** ▶ Charge the 12 V battery. **To apply:** ▶ Switch off the vehicle. The electric parking brake will be applied automatically.

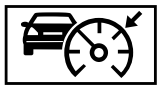
Display messages	Possible causes/consequences and ▶ Solutions
	If you do not want the electric parking brake to be applied, e.g. at an automatic car wash or when the vehicle is being towed, leave the vehicle switched on. This does not include having the vehicle towed with the rear axle raised. If the electric parking brake is not applied automatically: ▶ Switch the vehicle off and switch it back on ▶ Release and then apply the electric parking brake manually (→ page 214). If it is still not possible to apply the electric parking brake: ▶ Consult a qualified specialist workshop. ▶ Where necessary, also secure the parked vehicle against rolling away. **To release:** ▶ If the conditions for automatic release are fulfilled and the electric parking brake is not released automatically, release the electric parking brake manually (→ page 214). If it is still not possible to release the electric parking brake: ▶ Do not continue driving. Consult a qualified specialist workshop.
 Release parking brake	* The red (P) indicator lamp is flashing. The electric parking brake is applied while you are driving: • A condition for automatic release of the electric parking brake has not been fulfilled (→ page 213). • You are performing emergency braking using the electric parking brake (→ page 214).

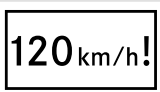
Display messages	Possible causes/consequences and ▶ Solutions
	▶ Check the conditions for automatic release of the electric parking brake. ▶ Release the electric parking brake manually.
 Turn on the ignition to release the parking brake	* The red (P) indicator lamp is lit. You have attempted to release the electric parking brake with the vehicle switched off. ▶ Switch on the vehicle.
 Check brake fluid level	* There is insufficient brake fluid in the brake fluid reservoir. ⚠ **WARNING** Risk of an accident due to low brake fluid level If the brake fluid level is too low, the braking effect and the braking characteristics may be impaired. ▶ Stop the vehicle as soon as possible, paying attention to road and traffic conditions. Do not continue driving. ▶ Consult a qualified specialist workshop. ▶ Do not top up the brake fluid.
Check brake pads See Owner's Manual	* The brakepads have reached the wear limit. ▶ Consult a qualified specialist workshop.

Driving systems

Display messages	Possible causes/consequences and ▶ Solutions
HOLD Off	* The HOLD function is deactivated because the vehicle is slipping or a condition for activation is not fulfilled. ▶ Reactivate the HOLD function later or check the activation conditions for the HOLD function (→ page 221).
 ATTENTION ASSIST inoperative	* ATTENTION ASSIST is malfunctioning. ▶ Consult a qualified specialist workshop.
 ATTENTION ASSIST: Take a break!	* ATTENTION ASSIST has detected fatigue or an increasing lack of concentration on the part of the driver (→ page 223). ▶ If necessary, take a break.

Display messages	Possible causes/consequences and ▶ Solutions
 --- km/h	* Cruise control cannot be activated as not all activation conditions are fulfilled. ▶ Observe the activation conditions for cruise control (→ page 226).
Cruise control inoperative	* Cruise control is malfunctioning. ▶ Consult a qualified specialist workshop.
Cruise control and Limiter inoperative	* Cruise control and the limiter are malfunctioning. ▶ Consult a qualified specialist workshop.
Cruise control off	* Cruise control has been deactivated. If there is an additional warning tone, cruise control has been deactivated automatically (→ page 224).
 --- km/h	* The limiter can temporarily not be engaged. Once the cause of the problem is no longer present, the system will be available again.
Limiter passive	* If you depress the accelerator pedal beyond the pressure point (kickdown), the limiter is switched to passive mode (→ page 226).
Limiter inoperative	* The limiter is malfunctioning. ▶ Consult a qualified specialist workshop.

Display messages	Possible causes/consequences and ▶ Solutions
 --- km/h	* Active Distance Assist DISTRONIC cannot be activated as not all activation conditions are fulfilled. ▶ Comply with the activation conditions of Active Distance Assist DISTRONIC (⟶ page 230).
 suspended	* If you depress the accelerator pedal beyond the setting of Active Distance Assist DISTRONIC, the system will switch to passive mode (⟶ page 228).
 Off	* Active Distance Assist DISTRONIC was deactivated. If a warning tone also sounds, Active Distance Assist DISTRONIC has deactivated automatically (⟶ page 230).
Active Distance Assist currently unavailable See Owner's Manual	* Active Distance Assist DISTRONIC is temporarily unavailable. The ambient conditions are outside the system limits (⟶ page 228). As soon as the ambient conditions are within the system limits, the system will become available again. ▶ Drive on or

Display messages	Possible causes/consequences and ▶ Solutions
	▶ If the display message does not disappear, stop the vehicle in accordance with the traffic conditions and restart the vehicle.
Active Distance Assist inoperative	* Active Distance Assist DISTRONIC is malfunctioning. Other driving systems and driving safety systems may also be malfunctioning. ▶ 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.
Active Distance Assist available again	* Active Distance Assist DISTRONIC is operational again. ▶ Switch on Active Distance Assist DISTRONIC (→ page 230).
 Maximum speed exceeded	* You have exceeded the maximum permissible speed (for certain countries only). ▶ Drive more slowly.
Speed limit (winter tyres) XXX km/h	* You have reached the maximum permissible stored speed for winter tyres. It is not possible to exceed this speed.

Display messages	Possible causes/consequences and ▶ Solutions
Active Steering Assist currently unavailable See Owner's Manual	* Active Steering Assist is temporarily unavailable. The ambient conditions are outside the system limits (→ page 235). As soon as the ambient conditions are within the system limits, the system will become available again. ▶ Drive on ▶ Check the tyre pressure if necessary.
Active Steering Assist inoperative	* Active Steering Assist is malfunctioning. Active Distance Assist DISTRONIC remains available. ▶ 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.
Active Steering Assist currently unavailable due to multiple emergency stops	* Active Steering Assist is temporarily unavailable due to multiple emergency stops. ▶ Take over the steering and stop in accordance with the traffic conditions. ▶ Switch the vehicle off and switch it back on Active Steering Assist is available once more.
Beginning emergency stop	* Your hands are not on the steering wheel. An emergency stop is being initiated (→ page 238). ▶ Put your hands back on the steering wheel. You can cancel the deceleration at any time by performing one of the following actions: • Steering

Display messages	Possible causes/consequences and ▶ Solutions
	• Braking or accelerating • Deactivating Active Distance Assist DISTRONIC
	* Active Steering Assist has reached the system limits (→ page 235). You have not steered independently for a considerable period of time. ▶ Take over the steering and drive on in accordance with the traffic conditions.
Active Stop-and-Go Assist currently unavailable see Owner's Manual	* Active Stop-and-Go Assist is temporarily unavailable. Active Distance Assist DISTRONIC and Active Steering Assist are still available. The ambient conditions are outside the system limits (→ page 235). As soon as the ambient conditions are within the system limits, the system will become available again. ▶ Drive on.
Active Stop-and-Go Assist inoperative See Owner's Manual	* Active Stop-and-Go Assist is malfunctioning. Active Stop-and-Go Assist has been deactivated. Active Distance Assist DISTRONIC and Active Steering Assist are still available. ▶ 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.

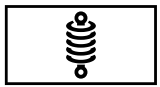
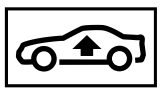
Display messages	Possible causes/consequences and ▶ Solutions
Traffic Sign Assist currently unavailable See Owner's Manual	* Traffic Sign Assist is temporarily unavailable. Once the cause of the problem is no longer present, the system will be available again. ▶ Drive on
Traffic Sign Assist inoperative	* Traffic Sign Assist is malfunctioning. ▶ 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.
Blind Spot Assist currently unavailable See Owner's Manual	* Blind Spot Assist is temporarily unavailable. The system limits have been reached (⟶ page 245). Once the cause of the problem is no longer present, the system will be available again. ▶ Drive on or ▶ If the display message does not disappear, stop the vehicle in accordance with the traffic conditions and restart the vehicle.
Blind Spot Assist inoperative	* Blind Spot Assist is malfunctioning. ▶ Drive on or

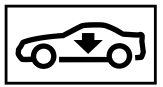
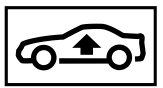
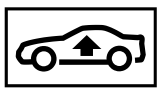
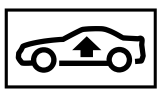
Display messages	Possible causes/consequences and ▶ Solutions
	▶ Stop the vehicle in accordance with the traffic conditions and restart the vehicle. ▶ If the display message does not disappear: consult a qualified specialist workshop.
Blind Spot Assist not available when towing a trailer See Owner's Manual	* When you establish the electrical connection to the trailer, Blind Spot Assist will be unavailable. ▶ Press the left-hand Touch Control and acknowledge the display message.
Active Blind Spot Assist currently unavailable See Owner's Manual	* Active Blind Spot Assist is temporarily unavailable. The system limits have been reached (→ page 245). Once the cause of the problem is no longer present, the system will be available again. ▶ Drive on or ▶ If the display message does not disappear, stop the vehicle in accordance with the traffic conditions and restart the vehicle.
Active Blind Spot Assist inoperative	* Active Blind Spot Assist is malfunctioning. ▶ 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.

Display messages	Possible causes/consequences and ▶ Solutions
Active Blind Spot Assist not available when towing a trailer See Owner's Manual	* When you establish the electrical connection to the trailer, Active Blind Spot Assist will be unavailable. ▶ Press the left-hand Touch Control and acknowledge the display message.
Active Lane Keeping Assist currently unavailable See Owner's Manual	* Active Lane Keeping Assist is temporarily unavailable. The ambient conditions are outside the system limits (→ page 247). As soon as the ambient conditions are within the system limits, the system will become available again. ▶ Drive on
Active Lane Keeping Assist inoperative	* Active Lane Keeping Assist is malfunctioning. ▶ 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.

Display messages	Possible causes/consequences and ▶ Solutions
 temporarily unavailable Sensors dirty	* Front and corner radar sensors (hereafter "sensors") are malfunctioning. Possible causes: • The sensors are dirty • Heavy rain or snow • Extended country driving without other traffic, e.g. in the desert Driving systems and driving safety systems may be malfunctioning or temporarily unavailable. The brake system, steering and drive system will continue to function normally. ▶ Drive on Once the causes of the problem are no longer present, the driving systems and driving safety systems will be available again and the corresponding symbols will be switched off. If the display message does not disappear: ▶ Stop the vehicle in accordance with the traffic conditions. ▶ Clean all sensor covers from outside (⟶ page 216). ▶ Restart the vehicle.

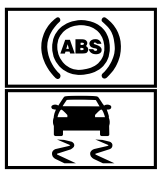
Display messages	Possible causes/consequences and ▶ Solutions
 temporarily unavailable Camera view restricted	* The view of the multifunction camera is restricted. Possible causes: • Dirt on the windscreen in the field of vision of the multifunction camera • Heavy rain, snow or fog • Mist on the inside of the windscreen: in certain weather conditions, mist can form on the inside of the windscreen during cold times of year in particular. ⓘ This mist on the windscreen will be removed automatically within a short time with the aid of a heater. The restriction is temporary. Driving systems and driving safety systems may be malfunctioning or temporarily unavailable. The brake system, steering and drive system will continue to function normally. ▶ Drive on Once the causes of the problem are no longer present, the driving systems and driving safety systems will be available again and the corresponding symbols will be switched off. If the display message does not disappear: ▶ Stop the vehicle in accordance with the traffic conditions. ▶ Clean the windscreen, especially in the position of the multifunction camera (→ page 216). ▶ Restart the vehicle.

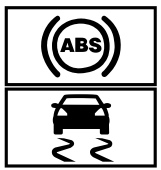
Display messages	Possible causes/consequences and ▶ Solutions
 Fault Drive at max. 80 km/h	* AIR BODY CONTROL is functioning only to a limited extent. The vehicle's handling characteristics may be affected. ▶ Drive in a manner appropriate for the current level, but do not exceed 80 km/h. ▶ Consult a qualified specialist workshop. * DYNAMIC BODY CONTROL is malfunctioning. The vehicle's handling characteristics may be affected. ▶ Do not drive at speeds greater than 80 km/h. ▶ Consult a qualified specialist workshop.
 Stop vehicle Vehicle too low	* You have pulled away despite the vehicle level being too low. ▶ Stop the vehicle in accordance with the traffic conditions. The vehicle will be raised to the selected vehicle level. ▶ Wait until the display message disappears before pulling away. If the display message does not disappear and a warning tone also sounds, AIR BODY CONTROL is malfunctioning: ▶ Do not drive at speeds greater than 80 km/h and consult a qualified specialist workshop immediately. ! **NOTE** The tyres on the front axle or the fenders could be damaged by large steering movements ▶ 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.

Display messages	Possible causes/consequences and ▶ Solutions
	▶ Set a higher vehicle level (→ page 251). Depending on the malfunction, the vehicle will be raised.
 Lowering	* The vehicle level will lower for the following reasons: • You have selected a different drive program. • You have exceeded the speed limit. • You have changed the vehicle level by pressing the button.
 Vehicle rising	* Your vehicle is adjusting to the level you have selected.
 Vehicle rising Please wait	* The vehicle level is too low. The vehicle will be raised to the selected vehicle level. ▶ Wait until the display message disappears before pulling away.
 Please reduce speed	* You are driving too fast for the selected vehicle level. ▶ To adjust the vehicle level, you must not drive at speeds greater than 60 km/h. ▶ To adjust the vehicle level during trailer operation, you must not drive at speeds greater than 30 km/h.

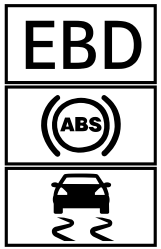
Display messages	Possible causes/consequences and ▶ Solutions
Parking Assist and PARKTRONIC inoperative See Owner's Manual	* Active Parking Assist and Parking Assist PARKTRONIC are malfunctioning. Once the cause of the problem is no longer present, the system will be available again. ▶ Continue driving 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.

Driving safety systems

Display messages	Possible causes/consequences and ▶ Solutions
 currently unavailable See Owner's Manual	* 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. ⚠ **WARNING** Risk of skidding if ABS and ESP® are malfunctioning The wheels may lock during braking and ESP® does not perform any vehicle stabilisation. The steerability and braking characteristics are heavily impaired and the braking distance may increase. In addition, other driving safety systems are switched off.

Display messages	Possible causes/consequences and ▶ Solutions
	▶ Drive carefully on a suitable stretch of road, making slight steering movements at a speed above 30 km/h. ▶ If the display message does not disappear, consult a qualified specialist workshop immediately. Drive carefully.
 inoperative See Owner's Manual	* ABS and ESP® 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. ⚠ **WARNING** Risk of skidding if ABS and ESP® are malfunctioning The wheels may block during braking and ESP® does not perform any vehicle stabilization. The steerability and braking characteristics are heavily impaired and the braking distance may increase. In addition, other driving safety systems are switched off. ▶ Drive on carefully. ▶ Have ABS and ESP® checked immediately at a qualified specialist workshop.
 currently unavailable See Owner's Manual	* ESP® is temporarily unavailable. Other driving systems and driving safety systems (e.g. BAS) may also be malfunctioning.

Display messages	Possible causes/consequences and ▶ Solutions
	⚠ **WARNING** Risk of skidding if ESP is malfunctioning® If ESP® is malfunctioning, ESP® cannot carry out vehicle stabilisation. In addition, other driving safety systems are switched off. ▶ Drive carefully on a suitable stretch of road, making slight steering movements at a speed above 30 km/h. ▶ If the display message does not disappear, consult a qualified specialist workshop immediately. Drive carefully.
 inoperative See Owner's Manual	* 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. ⚠ **WARNING** Risk of skidding if ESP® is malfunctioning If ESP® is malfunctioning, ESP® cannot carry out vehicle stabilisation. In addition, other driving safety systems are switched off. ▶ Drive on carefully. ▶ Have ESP® checked at a qualified specialist workshop.

Display messages	Possible causes/consequences and ▶ Solutions
 inoperative See Owner's Manual	* EBD, ABS and ESP® are malfunctioning. Other driving systems and driving safety systems (e.g. BAS) may also be malfunctioning. **⚠ WARNING** Risk of skidding if EBD, ABS and ESP® are malfunctioning The wheels may block during braking and ESP® does not perform any vehicle stabilization. The steerability and braking characteristics are heavily impaired and the braking distance may increase. In addition, other driving safety systems are switched off. ▶ Drive on carefully. ▶ Have the brake system checked immediately at a qualified specialist workshop.
Active Brake Assist Functions currently limited See Owner's Manual	* **Vehicles with the Driving Assistance Package:** Active Brake Assist with cross-traffic function, Evasive Steering Assist or PRE-SAFE® PLUS are temporarily unavailable or only partially available. **Vehicles without the Driving Assistance Package:** Active Brake Assist is temporarily unavailable. ▶ Drive on As soon as the ambient conditions are within the system limits, the system will become available again. or ▶ If the display message does not disappear, stop the vehicle in accordance with the traffic conditions and restart the vehicle.

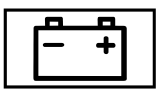
Display messages	Possible causes/consequences and ▶ Solutions
Active Brake Assist Functions limited See Owner's Manual	* For vehicles with the Driving Assistance Package, the following functions may be temporarily unavailable or only partially available: • Active Brake Assist with cross-traffic function • Evasive Steering Assist • PRE-SAFE® PLUS **Vehicles without the Driving Assistance Package:** Active Brake Assist is temporarily unavailable or only partially available. ▶ 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.

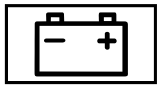
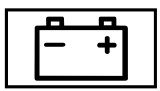
Mercedes-Benz emergency call system

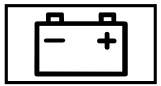
Display messages	Possible causes/consequences and ▶ Solutions
 Inoperative	* The Mercedes-Benz emergency call system is malfunctioning. The Mercedes me connect system is also malfunctioning. ▶ Consult a qualified specialist workshop.

Display messages	Possible causes/consequences and ▶ Solutions
Device detected at diagnostics connection See Owner's Manual	* The vehicle functions for fault detection are restricted. At least one of the main functions of the Mercedes me connect system is malfunctioning. ▶ Observe the notes on the diagnostics connection (→ page 35). ▶ Consult a qualified specialist workshop.

Battery

Display messages	Possible causes/consequences and ▶ Solutions
 12 V battery See Owner's Manual	* The vehicle is off and the charge level is too low. ▶ Switch off electrical consumers that are not required. To charge the 12 V battery: ▶ Leave the vehicle running for a few minutes, or drive an extended distance. ▶ **Plug-in hybrid:** charge the 12 V battery while stationary, or drive an extended distance. * If the message appears while the vehicle is switched on, this indicates an on-board electrical system malfunction. ▶ Consult a qualified specialist workshop.

Display messages	Possible causes/consequences and ▶ Solutions
 See Owner's Manual	* The 12 V battery is not being charged. **! NOTE** Possible engine damage if you continue driving ▶ Do not continue driving under any circumstances. ▶ Consult a qualified specialist workshop. ▶ Stop immediately in accordance with the traffic conditions and switch off the vehicle. ▶ Consult a qualified specialist workshop.
 Stop vehicle See Owner's Manual	* The 12 V battery is no longer being charged and the state of charge is too low. **! NOTE** Possible engine damage if you continue driving ▶ Do not continue driving under any circumstances. ▶ Consult a qualified specialist workshop. ▶ Stop the vehicle immediately in accordance with the traffic conditions. Do not continue driving. ▶ Switch off the vehicle. ▶ Consult a qualified specialist workshop.

Display messages	Possible causes/consequences and ▶ Solutions
 Stop vehicle Leave engine running	* The 12 V battery charge level is too low. ▶ Stop the vehicle immediately in accordance with the traffic conditions. Do not continue driving. ▶ Leave the engine running. ▶ If the display message disappears: drive on. ▶ If the display message does not disappear: consult a qualified specialist workshop.
 48 V battery See Owner's Manual	* The 48 V on-board electrical system has function restrictions. Comfort functions may be restricted. ▶ Consult a qualified specialist workshop immediately.
 Please wait 48 V battery charging	* The 48 V battery is discharged. You have switched on the vehicle while the 12 V battery was being charged with a suitable charger or while another vehicle was providing starting assistance. The discharged 48 V battery is charged automatically via the voltage converter. After a few minutes, the Motor can be started again display message will be shown on the instrument display. ▶ Start the vehicle. ▶ Drive the vehicle for a while to charge the 12 V battery and the 48 V battery after disconnecting the charger from the vehicle. If the Motor can be started again display message does not appear after a few minutes:

Display messages	Possible causes/consequences and ▶ Solutions
	▶ Try to start the vehicle. ▶ If the vehicle does not start, consult a qualified specialist workshop.
Cannot start engine See Owner's Manual	* The state of charge of the 48 V battery is too low. You can no longer start the vehicle. ▶ Switch off electrical consumers that are not required. ▶ Connect a suitable charger approved for Mercedes-Benz with sufficient charge output to the jump-start connection point of the 12 V battery (→ page 385). The 48 V battery is charged via the voltage converter in the vehicle.
Motor can be started again	* The 48 V battery has been charged automatically via the voltage converter. ▶ Start the vehicle and drive for a while to charge the 12 V battery and the 48 V battery.

Tyre pressure monitor

Display messages	Possible causes/consequences and ▶ Solutions
Tyre press. monitor currently unavailable	* There is interference from a powerful radio signal source. As a result, no signals from the tyre pressure sensors are being received. The tyre pressure monitoring system is temporarily unavailable. The tyre pressure monitoring system will restart automatically as soon as the cause has been rectified. ▶ Drive on.
Tyre press. monitor inoperative	* The tyre pressure monitoring system is malfunctioning.

Display messages	Possible causes/consequences and ▶ Solutions
	⚠ **WARNING** There is a risk of an accident if the tyre pressure monitoring system is malfunctioning The tyre pressure monitoring system cannot issue a warning if there is pressure loss in one or more of the tyres. Tyres with insufficient tyre pressure may impair the driving characteristics as well as steering and braking. ▶ Have the tyre pressure monitoring system checked at a qualified specialist workshop.
Tyre press. monitor inoperative No wheel sensors	* The wheels fitted do not have suitable tyre pressure sensors. The tyre pressure monitoring system is deactivated. ▶ Fit wheels with suitable tyre pressure sensors.
 Wheel sensor(s) missing	* There is no signal from the tyre pressure sensor of one or more wheels. No pressure value is displayed for the affected tyre. ▶ Have the faulty tyre pressure sensor replaced at a qualified specialist workshop.
 Check tyre(s)	* The tyre pressure in one or more tyres has dropped significantly. The wheel position is displayed. A warning tone also sounds. ⚠ **WARNING** Risk of an accident due to insufficient tyre pressure • The tyres can burst. • The tyres can wear excessively and/or unevenly. • The driving characteristics as well as the steering and braking may be greatly impaired.

Display messages	Possible causes/consequences and ▶ Solutions
	You could then lose control of the vehicle. ▶ Observe the recommended tyre pressures. ▶ Adjust the tyre pressure if necessary. ▶ Stop the vehicle in accordance with the traffic conditions. ▶ Check the tyre pressure (→ page 396) and the tyres.
 Rectify tyre pressure	* The tyre pressure is too low in at least one of the tyres, or the difference in tyre pressure between the individual wheels is too great. ▶ Check the tyre pressure and add air, if necessary. ▶ When the tyre pressure is correct, restart the tyre pressure monitoring system (→ page 399).
 Warning tyre defect	* The tyre pressure in one or more tyres has dropped suddenly. The wheel position will be displayed. ⚠ **WARNING** Risk of an accident from driving with a flat tyre • The tyres can overheat and be damaged. • The driving characteristics as well as the steering and braking characteristics may be greatly impaired. You could then lose control of the vehicle. ▶ Do not drive with a flat tyre.

Display messages	Possible causes/consequences and ▶ Solutions
	▶ Do not exceed the maximum permissible driving distance in emergency mode and the maximum permissible speed with a flat MOExtended tyre. ▶ Observe the notes on flat tyres. Notes in the event of a flat tyre (→ page 376). ▶ Stop the vehicle in accordance with the traffic conditions. ▶ Check the tyres.
Tyre(s) overheated	* At least one tyre is overheating. The affected tyres are displayed in red. At temperatures close to the limit value, the tyres are displayed in yellow. ⚠ **WARNING** Risk of an accident from driving with overheated tyres Overheated tyres can burst. ▶ Reduce speed so that the tyres cool down.
Reduce speed	* At least one tyre is overheating. The affected tyres are displayed in red. At temperatures close to the limit value, the tyres are displayed in yellow. ⚠ **WARNING** Risk of an accident from driving with overheated tyres Overheated tyres can burst. ▶ Reduce speed so that the tyres cool down.

Tyre pressure loss warning system

Display messages	Possible causes/consequences and ▶ Solutions
Tyre pressure Check tyres	* The tyre pressure loss warning system has detected a significant loss of pressure. ⚠ **WARNING** Risk of an accident due to insufficient tyre pressure • The tyres can burst. • The tyres can wear excessively and/or unevenly. • The driving characteristics as well as the steering and braking may be greatly impaired. You could then lose control of the vehicle. ▶ Observe the recommended tyre pressures. ▶ Adjust the tyre pressure if necessary. ▶ Stop the vehicle in accordance with the traffic conditions. ▶ Check the tyre pressure (→ page 396) and the tyres. ▶ When the tyre pressure is correct, restart the tyre pressure loss warning system (→ page 399).
Check tyre pressures then restart Run Flat Indicator	* The tyre pressure loss warning system generated a display message and has not been restarted since. ▶ When the tyre pressure is correct, restart the tyre pressure loss warning system (→ page 399).
Run Flat Indicator inoperative	* The tyre pressure loss warning system is malfunctioning. ▶ Consult a qualified specialist workshop.

Exhaust gas aftertreatment

Display messages	Possible causes/consequences and ▶ Solutions
 Refill AdBlue See Owner's Manual	* The AdBlue® level has fallen into the reserve range. ▶ Top up AdBlue® immediately (→ page 194).
 Top up AdBlue Emergency op. in XXX miles See Owner's Manual	* The low AdBlue® level will lead to limited performance after the remaining distance displayed has been covered. ▶ Top up AdBlue® immediately (→ page 194).
 XX,X l Top up AdBlue Emer. op.: max. XXX km/h Start not poss. in XXX km	* The low AdBlue® level will lead to limited performance from the speed displayed. After the remaining distance displayed has been covered, it will no longer be possible to start the vehicle. ▶ Add at least the amount of AdBlue® displayed (→ page 194).

Display messages	Possible causes/consequences and ▶ Solutions
 XX,X l Top up AdBlue Switch on ignition, wait 60 sec. or eng. start not poss.	* The AdBlue® tank is empty. You can no longer start the vehicle. ▶ Add at least the amount of AdBlue® displayed (→ page 194). ▶ Switch on the vehicle and wait for approximately 60 seconds. ▶ Start the vehicle.
 AdBlue system fault See Owner's Manual	* The AdBlue® system is malfunctioning. ▶ Consult a qualified specialist workshop immediately.
 AdBlue system fault Emergency op. in XXX miles See Owner's Manual	* The AdBlue® system is malfunctioning. Performance will be reduced once the remaining distance displayed has been covered. ▶ Consult a qualified specialist workshop immediately.

Display messages	Possible causes/consequences and ▶ Solutions
 AdBlue system fault Emer. op.: max. XXX km/h Start not poss. in XXX km	* Power restriction due to the AdBlue® system fault. After the distance displayed has been covered, it will no longer be possible to start the vehicle. ▶ Consult a qualified specialist workshop immediately.
 AdBlue system fault Engine start not possible	* The AdBlue® system is malfunctioning. You can no longer start the vehicle. ▶ Consult a qualified specialist workshop immediately.

Engine oil

Display messages	Possible causes/consequences and ▶ Solutions
 Check eng. oil lev. when next refuelling	* The engine oil level has dropped to the minimum level. **NOTE** Engine damage caused by driving with insufficient engine oil ▶ Avoid long journeys with insufficient engine oil. ▶ Check the engine oil level when next refuelling. Top up the engine oil (→ page 364). Notes on engine oil (→ page 423).
 Add 1 litre engine oil when next refuelling	* Display message only for certain engines: The engine oil level has dropped to the minimum level. **NOTE** Engine damage caused by driving with insufficient engine oil ▶ Avoid long journeys with insufficient engine oil. ▶ When next refuelling, add 1 litre of engine oil (→ page 364). Notes on engine oil (→ page 423).

Display messages	Possible causes/consequences and ▶ Solutions
 Engine oil level Reduce oil level	* Display message only for certain engines: The engine oil level is too high. **!** **NOTE** Engine damage caused by driving with excess engine oil ▶ Avoid long journeys with excess engine oil. ▶ Consult a qualified specialist workshop immediately and have the engine oil level reduced.
 Engine oil level Stop vehicle Switch engine off	* Display message only for certain engines: The engine oil level is too low. **!** **NOTE** Engine damage caused by driving with insufficient engine oil ▶ Avoid long journeys with insufficient engine oil. ▶ Stop the vehicle immediately in accordance with the traffic conditions. Do not continue driving. ▶ Switch off the vehicle. ▶ Add 1 l of engine oil (→ page 364). ▶ Check the engine oil level. Notes on engine oil (→ page 423).

Display messages	Possible causes/consequences and ▶ Solutions
 Engine oil pressure Stop Switch off engine	* Display message only for certain engines: The oil pressure is too low. ! **NOTE** Engine damage caused by driving with insufficient oil pressure ▶ Avoid driving with insufficient oil pressure. ▶ Stop the vehicle immediately in accordance with the traffic conditions. Do not continue driving. ▶ Switch off the vehicle. ▶ Consult a qualified specialist workshop.
 Engine oil level cannot be measured	* The electrical connection to the oil level sensor has been interrupted or the oil level sensor is faulty. ▶ Consult a qualified specialist workshop.

Warning and indicator lamps

Overview of indicator and warning lamps

Some systems will perform a self-test when the vehicle is switched on. Some indicator and warning lamps may briefly light up or flash. This behaviour is non-critical. These indicator and warning lamps indicate a malfunction only if they light up or flash after the vehicle has been started or during a journey.

Instrument display



Depending on the display setting, the positions of the indicator lamps on the instrument display may differ from the example shown.

Indicator and warning lamps:

- Restraint system (→ page 501)
- Seat belt (→ page 501)
- Reduced power (→ page 502)
- System error (→ page 502)
- Electrical fault (→ page 502)
- Trailer hitch (→ page 503)
- Power steering (→ page 503)
- Coolant temperature (→ page 505)
- Engine diagnostics (→ page 505)
- **Vehicles with a diesel engine:** preglow
- Electrical fault (→ page 505)
- Reserve fuel with fuel filler flap location indicator (→ page 505)
- Electric parking brake (red) (→ page 508)
- Electric parking brake (yellow) (→ page 508)
- Brakes (yellow) (→ page 508)
- Brakes (red) (→ page 508)
- Distance warning (→ page 510)
- Active Brake Assist (→ page 510)
- Active Brake Assist (→ page 510)
- AIR BODY CONTROL (→ page 510)
- DYNAMIC BODY CONTROL (→ page 510)
- ABS (→ page 511)
- ESP® (→ page 511)
- ESP® OFF (→ page 511)
- Tyre pressure monitoring system (→ page 514)
- Standing lights (→ page 134)
- Low beam (→ page 134)
- High beam (→ page 136)
- Turn signal lights (→ page 136)
- Rear fog light (→ page 134)

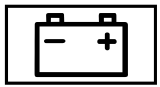
Occupant safety

Warning/indicator lamp	Possible causes/consequences and ▶ Solutions
 Restraint system warning lamp	* The restraint system red warning lamp is lit while the vehicle is on. The restraint system is malfunctioning (→ page 44). ⚠ **WARNING** Risk of injury due to malfunctions in the restraint system Components in the restraint system may be activated unintentionally or not deploy as intended in an accident. ▶ Have the restraint system checked and repaired immediately at a qualified specialist workshop. **Plug-in hybrid:** ⚠ **DANGER** Risk of fatal injuries due to restraint system malfunctions Components in the restraint system may be activated unintentionally or not deploy as planned in an accident. In the event of an accident, the high-voltage on-board electrical system may not be deactivated as intended. You may suffer an electric shock if you touch the damaged components of the high-voltage on-board electrical system. ▶ Have the restraint system checked and repaired immediately at a qualified specialist workshop. ▶ After an accident, switch off the vehicle immediately. ▶ Drive on carefully. ▶ Note the messages on the instrument display. ▶ Consult a qualified specialist workshop immediately.

Warning/indicator lamp	Possible causes/consequences and ▶ Solutions
 Seat belt warning lamp flashes	* The red seat belt warning lamp flashes and an intermittent warning tone sounds. The driver or front passenger has not fastened his/her seat belt while the vehicle is in motion. ▶ Fasten your seat belt (⟶ page 48). There are objects on the front passenger seat. ▶ Remove the objects from the front passenger seat.
 Seat belt warning lamp lights up	* The red seat belt warning lamp lights up once the vehicle has started. In addition, an intermittent warning tone may sound. The red seat belt warning lamp reminds the driver and front passenger to fasten their seat belts. ▶ Fasten your seat belt (⟶ page 48). If you have placed objects on the front passenger seat, the red seat belt warning lamp may remain lit.

Hybrid system

Warning/indicator lamp	Possible causes/consequences and ▶ Solutions
 Reduced warning lamp power	* The yellow reduced-power warning lamp is on. Drive system power output is reduced. ▶ Note the messages on the instrument display.

Warning/indicator lamp	Possible causes/consequences and ▶ Solutions
 System error warning lamp	* The red system error warning lamp is lit while the vehicle is in a state of operational readiness READY. There is a malfunction in the drive system. ▶ Note the messages on the instrument display.
 Electrical fault warning lamp	* The red electrical fault warning lamp is lit. There is a fault with the electrics. ▶ Note the messages on the instrument display.

Vehicle

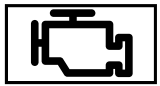
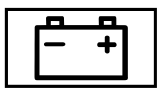
Warning/indicator lamp	Possible causes/consequences and ▶ Solutions
 Power steering warning lamp (red)	* The red power steering warning lamp is lit while the vehicle is running. The power assistance or the steering itself is malfunctioning. ⚠ **WARNING** Risk of accident if steering capability is impaired If the steering does not function as intended, the vehicle's operating safety is jeopardised. ▶ Pull over and stop the vehicle safely as soon as possible, paying attention to road and traffic conditions. Do not continue driving under any circumstances.

Warning/indicator lamp	Possible causes/consequences and ▶ Solutions
	▶ Consult a qualified specialist workshop. ▶ Note the messages on the instrument display.
 Trailer tow hitch warning lamp	* The red trailer hitch warning lamp is lit. The trailer hitch is not operational or is swivelling. ⚠ **WARNING** Risk of an accident if the ball neck is not locked The trailer may become detached. ▶ Stop the vehicle immediately in accordance with the traffic conditions. Do not continue driving. ▶ Uncouple the trailer and secure it against rolling away. ▶ Initiate a new swivel movement and do not re-couple the trailer until the warning/indicator lamp goes out. ▶ Note the messages on the instrument display. If the trailer hitch is swivelling: ▶ Wait until the ball neck has reached the operational position.

Engine

Warning/indicator lamp	Possible causes/consequences and ▶ Solutions
 Coolant warning lamp (red)	* The red coolant warning lamp is lit while the engine is running. Possible causes: • The temperature sensor is malfunctioning • The coolant level is too low • The air supply to the radiator is obstructed • The radiator fan is faulty • The engine coolant pump is faulty If there is an additional warning tone, the coolant temperature has exceeded 120 °C. ⚠ **WARNING** Risk of burns when opening the bonnet If you open the bonnet in the event of an overheated engine or fire in the engine compartment, the following situations may occur: • You may come into contact with hot gases. • You may come into contact with other escaping hot operating fluids. ▶ Before opening the bonnet, allow the engine to cool down. ▶ In the event of a fire in the engine compartment, keep the bonnet closed and call the fire service. ▶ Stop immediately in accordance with the traffic conditions and switch off the vehicle. Do not continue driving.

Warning/indicator lamp	Possible causes/consequences and ▶ Solutions
	▶ Note the messages on the instrument display. **If the coolant temperature display is at the lower end of the temperature scale:** ▶ Consult a qualified specialist workshop. **If the coolant temperature display is at the upper end of the temperature scale:** ▶ Exit the vehicle and keep a safe distance from it until the engine has cooled down. ▶ Check the coolant level (→ page 365). ▶ Make sure that the air supply to the radiator is not obstructed. ▶ Avoiding high loads on the engine, drive to the nearest qualified specialist workshop. In doing so, ensure that the coolant temperature display remains below 120°C.
 Coolant warning lamp (yellow)	* The yellow coolant warning lamp is lit while the engine is running. Possible causes: • The temperature sensor is malfunctioning • The charge air, transmission oil or battery cooling is faulty • The radiator shutters are blocked or defective ▶ Avoiding high loads on the engine, drive to the nearest qualified specialist workshop.

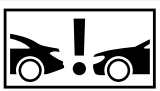
Warning/indicator lamp	Possible causes/consequences and ▶ Solutions
 Engine diagnosis warning lamp	* The yellow engine diagnostics warning lamp is lit while the engine is running. A malfunction has occurred in the engine, the exhaust system or the fuel system. The emissions limit value may have been exceeded and the engine may be running in emergency operation mode. ▶ Have the vehicle checked as soon as possible at a qualified specialist workshop. **Vehicles with a diesel engine:** the fuel tank may have been run dry. ▶ Start the engine three to four times after refuelling. If the yellow engine diagnosis warning lamp goes out, emergency operation mode is cancelled. The vehicle need not be checked.
 Electrical fault warning lamp	* The red electrical fault warning lamp is lit. There is a fault in the electrics. ▶ Note the messages on the instrument display.
 Fuel reserve warning lamp lights up	* The yellow fuel reserve warning lamp lights up while the engine is running. The fuel supply has dropped into the reserve range. ▶ Refuel.

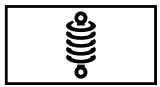
Brakes

Warning/indicator lamp	Possible causes/consequences and ▶ Solutions
 Electric parking brake indicator lamp (red)  The electric parking brake (yellow) indicator lamp	* The red electric parking brake indicator lamp flashes or is lit. The yellow electric parking brake indicator lamp is also lit in the event of a malfunction. ▶ Note the messages on the instrument display.
 Brake system warning lamp (yellow)	* The yellow brake warning lamp is lit while the vehicle is running. ⚠ **WARNING** Risk of an accident due to a brake system malfunction If the brake system is malfunctioning, braking characteristics may be impaired. ▶ Drive on carefully. ▶ Have the brake system checked immediately at a qualified specialist workshop. ▶ Adjust your speed and drive on carefully, leaving a suitable distance to the vehicle in front. ▶ If the instrument display shows a display message, observe it.

Warning/indicator lamp	Possible causes/consequences and ▶ Solutions
	▶ Consult a qualified specialist workshop.
 Brake system warning lamp (red)	* The red brake warning lamp is lit while the vehicle is running. Possible causes: • The brake force boosting is malfunctioning and the braking characteristics may be affected. • There is insufficient brake fluid in the brake fluid reservoir. ▶ Note the messages on the instrument display. **⚠ WARNING** Risk of accident and injury if brake force boosting is malfunctioning If brake force boosting is malfunctioning, increased brake pedal force may be necessary for braking. The braking characteristics may be impaired. The braking distance can increase in emergency braking situations. ▶ Stop in a safe location immediately. Do not continue driving! ▶ Consult a qualified specialist workshop. **⚠ WARNING** Risk of an accident due to low brake fluid level If the brake fluid level is too low, the braking effect and the braking characteristics may be impaired. ▶ Stop the vehicle as soon as possible, paying attention to road and traffic conditions. Do not continue driving. ▶ Consult a qualified specialist workshop. ▶ Do not top up the brake fluid.

Driving systems

Warning/indicator lamp	Possible causes/consequences and ▶ Solutions
 Warning lamp for distance warning function	* 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. If there is an additional warning tone, you are approaching an obstacle at too high a speed. ▶ Be prepared to brake immediately. ▶ Increase the distance. Function of Active Brake Assist (⟶ page 238).
 Active Brake Assist warning lamp	* 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. ▶ Note the messages on the instrument display.
 Active Brake Assist warning lamp	* 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. ▶ Observe the notes on Active Brake Assist (⟶ page 238).

Warning/indicator lamp	Possible causes/consequences and ▶ Solutions
 Suspension warning lamp (yellow)	* The yellow AIR BODY CONTROL warning lamp is lit. The yellow DYNAMIC BODY CONTROL warning lamp is lit. A fault has occurred in the AIR BODY CONTROL. A fault has occurred in the DYNAMIC BODY CONTROL. ▶ Note the messages on the instrument display.

Driving safety systems

Warning/indicator lamp	Possible causes/consequences and ▶ Solutions
 ABS warning lamp	* The yellow ABS warning lamp is lit while the vehicle is running. ABS is malfunctioning. If an additional warning tone sounds, EBD is malfunctioning. Other driving systems and driving safety systems may also be malfunctioning. ▶ Note the messages on the instrument display. ⚠ **WARNING** There is a risk of skidding if EBD or ABS is malfunctioning The wheels may lock during braking. The steerability and braking characteristics are heavily impaired and the braking distance may increase. In addition, other driving safety systems are switched off.

Warning/indicator lamp	Possible causes/consequences and ▶ Solutions
	▶ Drive on carefully. ▶ Have the brake system checked immediately at a qualified specialist workshop.
 ESP® warning lamp flashes	* The yellow ESP® warning lamp flashes while the vehicle is in motion. One or more wheels have reached their grip limit (→ page 219). ▶ Adapt your driving style to suit the road and weather conditions.
 ESP® warning lamp lights up	* The yellow ESP® warning lamp is lit while the vehicle is running. ESP® is malfunctioning. Other driving systems and driving safety systems (e.g. BAS) may also be malfunctioning. ▶ Note the messages on the instrument display. ⚠ **WARNING** Risk of skidding if ESP® is malfunctioning If ESP® is malfunctioning, ESP® cannot carry out vehicle stabilisation. In addition, other driving safety systems are switched off. ▶ Drive on carefully. ▶ Have ESP® checked at a qualified specialist workshop.

Warning/indicator lamp	Possible causes/consequences and ▶ Solutions
 ESP® OFF warning lamp	* The yellow ESP® OFF warning lamp is lit while the vehicle is running. ESP® is deactivated. Other driving systems and driving safety systems may also be inoperative. ⚠ **WARNING** Risk of skidding when driving with ESP® deactivated ESP® does not act to stabilise the vehicle. The availability of further driving safety systems is also limited. ▶ Drive on carefully. ▶ Deactivate ESP® only for as long as the situation requires. If ESP® cannot be activated, ESP® is malfunctioning. ▶ Have ESP® checked immediately at a qualified specialist workshop. ▶ Observe the notes on deactivating ESP® (→ page 219).

Tyre pressure monitor

Warning/indicator lamp	Possible causes/consequences and ▶ Solutions
 Tyre pressure monitoring system warning lamp flashes	*The yellow tyre pressure monitor warning lamp (pressure loss/malfunction) flashes for approximately one minute and then remains lit. The tyre pressure monitor is malfunctioning. **⚠ WARNING** There is a risk of an accident if the tyre pressure monitoring system is malfunctioning The tyre pressure monitoring system cannot issue a warning if there is pressure loss in one or more of the tyres. Tyres with insufficient tyre pressure may impair the driving characteristics as well as steering and braking. ▶ Have the tyre pressure monitoring system checked at a qualified specialist workshop.
 Tyre pressure monitoring system warning lamp lights up	* The yellow tyre pressure monitoring system warning lamp (pressure loss/malfunction) is lit. The tyre pressure monitoring system has detected tyre pressure loss in at least one of the tyres. **⚠ WARNING** Risk of an accident due to insufficient tyre pressure • The tyres can burst. • The tyres can wear excessively and/or unevenly. • The driving characteristics as well as the steering and braking may be greatly impaired. You could then lose control of the vehicle. ▶ Observe the recommended tyre pressures. ▶ Adjust the tyre pressure if necessary.

Warning/indicator lamp	Possible causes/consequences and ▶ Solutions
	▶ Stop the vehicle in accordance with the traffic conditions. ▶ Check the tyre pressure and the tyres.

1, 2, 3 ...

4MATIC
Function ... 190

12 V battery
see On-board electrical system battery (12 V)

12 V socket
see Socket (12 V)

48 V on-board electrical system
Operating safety ... 25

230 V socket
see Socket (230 V)

360° Camera
Care ... 370
Function ... 256
Selecting a view ... 259
Switching automatic operation on/off (reversing camera) ... 260

A

A/C function
Activating/deactivating (control panel) ... 151
Activating/deactivating (MBUX multimedia system) ... 152

ABS (Anti-lock Braking System) ... 218

Acceleration
see Kickdown

Accident and Breakdown Management
Mercedes me connect ... 343

Acoustic locking verification signal
Activating/deactivating ... 79

Acoustic presence indicator (sound generator)
Notes ... 164

Acoustic Vehicle Indication
Sound generator ... 164

Active Blind Spot Assist
Brake application ... 246
Function ... 245
System limitations ... 245
Trailer operation ... 246

Active bonnet (pedestrian protection)
Operation ... 360

Active Brake Assist
Function/notes ... 238
Setting ... 242

Active Distance Assist DISTRONIC
Active Emergency Stop Assist ... 238
Calling up a speed ... 230
Function ... 228
Increasing/decreasing speed ... 230
Maximum design speed ... 183
Route-based speed adaptation ... 233
Selecting ... 230
Storing a speed ... 230
Switching off/deactivating ... 230
Switching on/activating ... 230
System limitations ... 228

Active Emergency Stop Assist ... 238

Active headlamps ... 137

Active Lane Keeping Assist
Activating/deactivating ... 250
Activating/deactivating the warning ... 250
Function ... 247
Setting the sensitivity ... 250
System limits ... 247
Trailer operation ... 247

Active Parking Assist
Automatic braking function ... 268
Exiting a parking space ... 267

Function 264
Manoeuvring brake function 269
Parking 266
Pausing 268
System limitations 264

Active Service System PLUS
see ASSYST PLUS

Active Speed Limit Assist
Display 233
Function 233

Active Steering Assist
Activating/deactivating 237
Active Emergency Stop Assist 238
Function 235
System limits 235

Active Traffic Jam Assist
Activating/deactivating 235
Function 235

Adaptive brake lights 223

Adaptive cruise control
see Active Distance Assist DISTRONIC

Adaptive Highbeam Assist
Activating/deactivating 140
Function 139

Adaptive Highbeam Assist Plus
Function 140
Switching on/off 141

AdBlue®
Additives 422
Capacity 422
Notes 194
Purity 422
Topping up 194

Additional door lock 81

Additives
AdBlue® 422
Engine oil 423
Fuel 419

Additives (AdBlue®)
see AdBlue®

Additives (engine oil)
see Additives

Additives (fuel)
see Fuel

ADS PLUS damping system
see AIR BODY CONTROL

After-sales service
see ASSYST PLUS

AIR BODY CONTROL
Setting 251
Suspension 250

Air conditioning menu
Calling up 151

Air distribution
Setting 150
Setting (MBUX multimedia system) 152

Air freshener system
see Fragrance system

Air inlet
see Air-water duct

Air pressure
see Tyre pressure

Air suspension
see AIR BODY CONTROL

Air vents
Adjusting (front) 162
Adjusting (rear) 163
Glove box 163

Air vents
see Air vents
Air-conditioning system
see Climate control
Air-recirculation mode ... 153
Air-water duct
Keeping free ... 367
Airbag
Activation ... 44
Automatic co-driver airbag shutoff ... 53
Front airbag (driver, front passenger) ... 50
Installation locations ... 50
Knee airbag ... 50
Overview ... 50
PASSENGER AIR BAG indicator lamps ... 54
Protection ... 51
Reduced protection ... 52
Side airbag ... 50
Window airbag ... 50
Airflow
Setting ... 150
Alarm system
see ATA (anti-theft alarm system)
All-wheel drive
see 4MATIC
Ambient lighting
Setting (MBUX multimedia system) ... 143
Android Auto
see Smartphone integration
Animals
Pets in the vehicle ... 77
Anti-lock braking system
see ABS (Anti-lock Braking System)
Anti-skid chains
see Snow chains
Anti-theft protection
Additional door lock ... 81
Immobiliser ... 99
Anti-theft protection
see ATA (anti-theft alarm system)
Anticipatory occupant protection
see PRE-SAFE® (anticipatory occupant protection)
see PRE-SAFE® PLUS (anticipatory occupant protection plus)
Apple CarPlay®
see Smartphone integration
Assistance systems
see Driving safety system
ASSYST PLUS
Battery disconnection periods ... 360
Displaying the service due date ... 359
Function/notes ... 359
Regular maintenance work ... 359
Special service requirements ... 359
ATA (anti-theft alarm system)
Deactivating the alarm ... 100
Function ... 100
Interior protection function ... 101
Priming/deactivating interior protection ... 102
Priming/deactivating tow-away protection ... 101
Tow-away protection function ... 100
ATTENTION ASSIST
Function ... 223
Setting ... 224
System limitations ... 223

Attention assistant
see ATTENTION ASSIST
Authorised workshop
see Qualified specialist workshop
Automatic co-driver airbag shutoff
Function of co-driver airbag shutoff..... 53
Automatic distance control
see Active Distance Assist DISTRONIC
Automatic driving lights..... 135
Automatic engine start
see ECO start/stop function
Automatic engine stop
see ECO start/stop function
Automatic front passenger airbag shutoff
PASSENGER AIR BAG indicator lamps..... 54
Automatic mirror folding function
Activating/deactivating..... 149
Automatic seat adjustment
Setting..... 110
Automatic transmission
DIRECT SELECT lever..... 186
Drive program display..... 184
Drive programs..... 183
DYNAMIC SELECT switch..... 183
Engaging drive position..... 188
Engaging reverse gear..... 187
Kickdown..... 189
Manual gear changing..... 188
Selecting park position..... 187
Steering wheel gearshift paddles..... 188
Transmission position display..... 186
Transmission positions..... 186
Axle load
Permissible..... 415
Trailer operation..... 432

B

Bad weather light..... 138
Ball neck
Extending/retracting..... 273
Extending/retracting (MBUX multimedia system)..... 275
BAS (Brake Assist System)..... 218
Battery
Remote control (stationary heater)..... 161
Battery
see High-voltage battery
Battery (high-voltage on-board electrical system)
see High-voltage battery
Battery (key)
Replacing..... 80
Battery (vehicle)
Charging (Remote Online)..... 169
Notes..... 381
Notes (starting assistance and charging)..... 383
Battery operation..... 164
Belt
see Seat belt
Bicycle rack
Load capacity..... 431
Trailer operation..... 278
Blind Spot Assist
Activating/deactivating..... 247
Function..... 245
System limitations..... 245
Blower
see Climate control

BlueTEC
see AdBlue®

Bonnet
Function (active bonnet)..... 360
Opening/closing..... 360

Boot box
see EASY-PACK boot box

Boot lid
Closing..... 87
HANDS-FREE ACCESS..... 89
Locking separately..... 91
Opening..... 86

Brake Assist System
see BAS (Brake Assist System)

Brake fluid
Notes..... 425

Brake force distribution
EBD (Electronic Brake force Distribution)..... 221

Brakes
ABS (Anti-lock Braking System)..... 218
Active Brake Assist..... 238
Adaptive brake lights..... 223
BAS (Brake Assist System)..... 218
Driving tips..... 172
EBD (Electronic Brake force Distribution)..... 221
HOLD function..... 221
Limited braking effect (salt-treated roads)..... 172
New/replaced brake linings/brake discs..... 170
Running-in notes..... 170

Brakes
see Recuperation

Braking assistance
see BAS (Brake Assist System)

Breakdown
Overview of the help functions..... 18
Tow-starting..... 392
Towing away..... 388
Transporting the vehicle..... 390
Wheel change..... 405

Breakdown
see Flat tyre

Buttons
Steering wheel..... 283

C

Calls
Mercedes me..... 338

Camera
Information..... 216

Camera
see 360° Camera
see Dashcam
see Reversing camera

Car key
see Key

Car wash
see Care

Car wash (care)..... 367

Car-to-X-Communication
Displaying hazard warnings..... 332

Care
360° camera..... 370
Air-water duct..... 367
Automatic car wash..... 367
Carpet..... 372
Decorative foil..... 369
Display..... 372

EASY-PACK boot box 372
Exterior lighting 370
Head-up display 372
High-pressure cleaner 368
Paint 368
Plastic trim 372
Real wood/trim elements 372
Reversing camera 370
Roof lining 372
Seat belt 372
Seat cover 372
Sensors 370
Steering wheel 372
Tailpipes 370
Trailer hitch 370
Vehicle socket for the high-voltage battery 370
Washing by hand 368
Wheels/rims 370
Windows 370
Wiper blades 370

Carpet (Care) 372

Changing gears
Manually 188

Changing hub caps 405

Charging
Charge level display 208
Charging cable control panel 201
Ending the charging process (alternating current, mode 2/3) 207
Indicator lamps on vehicle socket 202
Notes - charging station (mode 3) 199
Notes - mains socket (Mode 2) 198
Notes - wallbox (mode 3) 199
Notes on charging the high-voltage battery 196
Notes on wireless charging 130
On-board electrical system battery (12 V) 385
Setting the maximum possible charging current (mains socket) 200
Starting the charging process 204
Stowing the charging cable 196
USB port 130
Vehicle socket 202

Charging cable
Control panel 201
Stowing 196

Charging the high-voltage battery
Starting the charging process 204

Chassis
Damping characteristics 250
DYNAMIC BODY CONTROL 250

Chassis level (AIR BODY CONTROL)
Setting 251

Child safety lock
Rear door 75
Rear side windows 77

Child seat
Approval categories 63
Attaching (notes) 62
Basic instructions 58
Front passenger seat (notes) 73
Front passenger seat (without automatic airbag shutoff) 73
ISOFIX/i-Size (fitting) 66
Notes on risks and dangers 59
Recommendations for child restraint systems 61
Seats suitable for belt-secured child restraint systems 70
Seats suitable for i-Size child restraint systems 66
Seats suitable for ISOFIX child restraint systems 65

Securing on the co-driver seat..... 74
Securing on the rear seat..... 71
Top Tether..... 69

Children
Avoiding dangers in the vehicle..... 59
Basic instructions..... 58

Chock
Storage location..... 404

Chock
see Chock

City lighting..... 138

Cleaning
see Care

Climate control
Activating/deactivating..... 151
Activating/deactivating the A/C function (control panel)..... 151
Activating/deactivating the A/C function (MBUX multimedia system)..... 152
Activating/deactivating the synchronisation function (control panel)..... 152
Activating/deactivating the synchronisation function (MBUX multimedia system)..... 153
Air-recirculation mode..... 153
Automatic control..... 152
Calling up the air conditioning menu..... 151
Climate style function..... 152
Demisting the windscreen..... 150
Demisting windows..... 153
Front air vents..... 162
Glove box air vent..... 163
Immediate pre-entry climate control..... 157
Information on the windscreen heater..... 155
Inserting/removing the flacon (fragrance system)..... 154
Ionisation..... 153
Note..... 150
Pre-entry climate control at departure time..... 156
Pre-entry climate control using the key... 155
Rear air vents..... 163
Residual heat..... 153
Setting (MBUX multimedia system)..... 151
Setting the air distribution..... 150
Setting the airflow..... 150
Setting the climate style..... 152
Setting the fragrance system..... 153
Setting the vehicle interior temperature..... 150
Stationary heater/ventilation..... 158
Switching the rear window heater on/off..... 150
THERMATIC control panel..... 150
THERMOTRONIC control panel..... 150
Ventilating the vehicle (convenience opening)..... 93

Climate style
Function..... 152
Setting..... 152

Co-driver airbag shutoff
see Automatic co-driver airbag shutoff

Cockpit
Overview..... 6, 10

Coffee cup symbol
see ATTENTION ASSIST

Collision detection (parked vehicle)
Setting..... 214

Combination switch..... 136

Component-specific information..... 414

Computer
see On-board computer

Convenience closing..... 93

Convenience opening 93
Coolant (engine)
Level check 365
Notes 425
Cooling
see Climate control
Copyright 42
Cornering light 137
Cross traffic (warning)
see Manoeuvring assistance
Cross Traffic Alert 269
Crosswind Assist
Function/notes 220
Cruise control
Activating 226
Buttons 226
Calling up a speed 226
Deactivating 226
Function 224
Maximum design speed 183
Requirements: 226
Selecting 226
Setting a speed 226
Storing a speed 226
System limitations 224

D

Dashcam
Notes 333
Selecting a USB device 334
Starting/stopping a video recording 334
Data acquisition
Vehicle 39
Data protection rights
Data storage 42
Data storage
Data protection rights 42
Electronic control units 39
Online services 41
Vehicle 39
Deactivating the alarm (ATA) 100
Dealership
see Qualified specialist workshop
Declaration of conformity
Electromagnetic compatibility 28
Jack 34
Specific absorption rate 28
TIREFIT kit 35
Wireless vehicle components 28
Decorative foil (cleaning instructions) 369
DeNOx agent
see AdBlue®
Destination entry
Entering a POI or address 329
Detecting inattentiveness
see ATTENTION ASSIST
Diagnostics connection 35
Diesel
Low outside temperatures 420
Notes 420
Digital Owner's Manual 20, 21
Digital TV
see TV
Dinghy towing
see Tow-bar system
DIRECT SELECT lever
Engageing reverse gear 187
Engaging drive position 188
Engaging neutral 187

Engaging park position automatically..... 187
Function..... 186
Selecting park position..... 187

Display (care)..... 372

Display (MBUX multimedia system)
Home screen..... 313
Operating..... 314

Display (on-board computer)
Displays on the instrument display..... 286

Display in the windscreen
see Head-up display

Display message
Calling up (on-board computer)..... 433
Notes..... 433

Display messages
--- km/h..... 470
LIM --- km/h..... 469
--- km/h..... 469
12 V battery See Owner's Manual..... 486
48 V battery See Owner's Manual..... 488
Acoustic presence indicator inoperative..... 447
Active Light System inoperative..... 441
AdBlue system fault Emer. op.: max. XXX km/h Start not poss. in XXX km..... 496
AdBlue system fault Emergency op. in XXX miles See Owner's Manual..... 495
AdBlue system fault Engine start not possible..... 496
AdBlue system fault See Owner's Manual..... 495
Add 1 litre engine oil when next refuelling..... 497
ATTENTION ASSIST inoperative..... 468
ATTENTION ASSIST: Take a break!..... 468
Automatic driving lights inoperative..... 441
Battery overheated Stop, everybody out! Outdoors if possible..... 449
Change key batteries..... 438
Charger cable connected..... 447
Check brake fluid level..... 467
Check eng. oil lev. when next refuelling..... 497
Check trailer hitch lock (white display message)..... 453
Check tyre(s)..... 490
Clean the fuel filter..... 460
Coolant Stop vehicle Switch engine off..... 459
currently unavailable See Owner's Manual..... 481
currently unavailable See Owner's Manual..... 482
Engine oil level cannot be measured..... 499
Engine oil level Reduce oil level..... 498

Engine oil level Stop vehicle Switch engine off..... 498
Engine oil pressure Stop Switch off engine..... 499
Fault Drive at max. 80 km/h..... 479
Front left malfunction Consult workshop (example)..... 435
inoperative Battery low..... 444
inoperative Charge HV battery..... 445
inoperative High-voltage battery charging incomplete..... 445
inoperative Refuel vehicle..... 444
inoperative See Owner's Man..... 444
inoperative See Owner's Manual... 482
inoperative See Owner's Manual... 483
EBD inoperative See Owner's Manual... 484
SOS Inoperative..... 485
Intelligent Light System inoperative..... 442
Key being initialised Please wait.... 439
Key not detected (red display message)..... 439
Key not detected (white display message)..... 439
Left dipped beam (example)..... 440
Left windowbag malfunction Consult workshop (example)..... 436
Lowering..... 480
Malfunction See Owner's Manual..... 440
Malfunction Visit workshop..... 450
Malfunction..... 450
Malfunction..... 449
120 km/h Maximum speed exceeded..... 471
..... 494
Off..... 470
HOLD Off..... 468
Operation only possible in transmission position P..... 453
Parking brake See Owner's Manual..... 464
Performance severely limited..... 451
Please reduce speed..... 480
Please wait 48 V battery charging..... 488
Please wait Depressurising tank.... 451
Pre-entry climate control (via key) available again after engine start..... 445
Pre-entry climate control (via key) inoperative HV-battery low..... 446
Rear left seat backrest not locked (Example)..... 457
Rectify tyre pressure..... 491
Refill AdBlue See Owner's Manual..... 494
Release parking brake..... 466
Replace air cleaner..... 460
Replace key..... 438
Reserve fuel level..... 460

 Restraint sys. malfunction Consult workshop..... 434
 See Owner's Manual..... 487
 Steering malfunction Increased physical effort See Owner's Manual..... 455
 Steering malfunction Stop immediately See Owner's Manual..... 455
 Stop Switch engine off..... 450
 Stop vehicle Leave engine running..... 488
 Stop vehicle See Owner's Manual..... 487
 Stop vehicle Vehicle too low..... 479
 suspended..... 470
 Switch off lights..... 441
 Switch on headlamps..... 441
 Tank is depressurised Ready for refuelling..... 451
 Tank ventilation Malfunction Consult workshop..... 452
 temporarily unavailable Camera view restricted..... 478
 temporarily unavailable Sensors dirty..... 477
 Top up AdBlue Emergency op. in XXX miles See Owner's Manual..... 494
 Top up coolant See Owner's Manual..... 458
 Top up washer fluid..... 457
 Towing not permitted See Owner's Manual..... 446
 Trailer coupling extending..... 453
 Turn on the ignition to release the parking brake..... 467
 Vehicle is operational Switch off ignition before exiting..... 452
 Vehicle rising Please wait..... 480
 Vehicle rising..... 480
 Warning tyre defect..... 491
 Wheel sensor(s) missing..... 490
 XX,X l Top up AdBlue Switch on ignition, wait 60 sec. or eng. start not poss..... 495
"Electric" drive program currently unavailable..... 448
Active Blind Spot Assist currently unavailable See Owner's Manual..... 475
Active Blind Spot Assist inoperative..... 475
Active Blind Spot Assist not available when towing a trailer See Owner's Manual..... 476
Active bonnet malfunction See Owner's Manual..... 455
Active Brake Assist Functions currently limited See Owner's Manual..... 484
Active Brake Assist Functions limited See Owner's Manual..... 485
Active Distance Assist available again..... 471
Active Distance Assist currently unavailable See Owner's Manual..... 470

Active Distance Assist inoperative..... 471
Active Lane Keeping Assist currently unavailable See Owner's Manual..... 476
Active Lane Keeping Assist inoperative... 476
Active Steering Assist currently unavailable due to multiple emergency stops..... 472
Active Steering Assist currently unavailable See Owner's Manual..... 472
Active Steering Assist inoperative..... 472
Active Stop-and-Go Assist currently unavailable see Owner's Manual..... 473
Active Stop-and-Go Assist inoperative See Owner's Manual..... 473
Adaptive Highbeam Assist currently unavailable See Owner's Manual..... 442
Adaptive Highbeam Assist inoperative.... 442
Adaptive Highbeam Assist Plus currently unavailable See Owner's Manual... 443
Adaptive Highbeam Assist Plus inoperative..... 443
Apply brake to deselect Park (P) position..... 461
Apply brake to select D or R..... 461
Apply brake to select R..... 461
Auxiliary battery malfunction (red display message)..... 463
Auxiliary battery malfunction (white display message)..... 463
Beginning emergency stop..... 472
Blind Spot Assist currently unavailable See Owner's Manual..... 474
Blind Spot Assist inoperative..... 474
Blind Spot Assist not available when towing a trailer See Owner's Manual..... 475
Cannot start engine See Owner's Manual..... 458, 489
Charging fault Please change charging method See Owner's Manual..... 448
Charging method currently unavailable Please try again or change charging method..... 448
Check brake pads See Owner's Manual..... 467
Check tyre pressures then restart Run Flat Indicator..... 493
Cruise control and Limiter inoperative.... 469
Cruise control inoperative..... 469
Cruise control off..... 469
Device detected at diagnostics connection See Owner's Manual..... 486
Front-passenger airbag disabled See Owner's Manual..... 436
Front-passenger airbag enabled See Owner's Manual..... 437
Hazard warning lamps malfunctioning.... 443
Head-up display currently unavailable See Owner's Manual..... 454
Head-up display inoperative..... 455

Limiter inoperative ... 469
Limiter passive ... 469
Motor can be started again ... 489
N permanently active Risk of vehicle rolling ... 462
Not possible to unlock charging cable See Owner's Manual ... 447
Only electric drive available Power limited ... 448
Only select Park (P) when vehicle is stationary ... 460
Parking Assist and PARKTRONIC inoperative See Owner's Manual ... 481
Place the key in the marked space See Owner's Manual ... 440
PRE-SAFE impulse side inoperative See Owner's Manual ... 438
PRE-SAFE inoperative See Owner's Manual ... 438
Reduce speed ... 492
Reduced drive system performance See Owner's Manual ... 448
Reversing not poss. Consult workshop ... 462
Risk of vehicle rolling Driver door open and transmission not in P ... 461
Run Flat Indicator inoperative ... 493
Speed limit (winter tyres) XXX km/h ... 471
Stop vehicle Leave engine running Wait Transmission cooling ... 463
To shift out of P or N, depress brake and start engine ... 461
To switch off the engine, press the Start/Stop button for at least 3 seconds or 3 times ... 458
Traffic Sign Assist currently unavailable See Owner's Manual ... 474
Traffic Sign Assist inoperative ... 474
Transmission Malfunction Stop ... 462
Tyre press. monitor currently unavailable ... 489
Tyre press. monitor inoperative ... 489
Tyre press. monitor inoperative No wheel sensors ... 490
Tyre pressure Check tyres ... 493
Tyre(s) overheated ... 492
Vehicle not currently being charged Charging station fault ... 447
Wiper malfunctioning ... 457
Without changing gear, consult workshop ... 450, 462
Without starting engine again, consult workshop ... 450

Distance control
see Active Distance Assist DISTRONIC

DISTRONIC
see Active Distance Assist DISTRONIC

Door
Additional door lock ... 81
Child safety lock (rear door) ... 75
Locking/unlocking (emergency key) ... 85
Opening (from inside) ... 82
Power closing function ... 85

Unlocking (from inside)..... 82
Door control panel..... 16
Drawbar
see Tow-bar system
Drive Away Assist..... 268
Drive position
Engaging..... 188
Drive program display..... 184
Drive programs
see DYNAMIC SELECT
Driver's seat
see Seat
Driving abroad
Light adjustment (low beam)..... 134
Driving safety system
ABS (Anti-lock Braking System)..... 218
Active Brake Assist..... 238
Adaptive brake lights..... 223
BAS (Brake Assist System)..... 218
Cameras..... 216
EBD (Electronic Brake force Distribution)..... 221
ESP® Crosswind Assist..... 220
ESP® trailer stabilisation..... 220
Overview..... 217
Radar and ultrasonic sensors..... 216
Responsibility..... 216
STEER CONTROL..... 221
Driving system
DYNAMIC BODY CONTROL..... 250
Driving system
see 360° Camera
see Active Blind Spot Assist
see Active Distance Assist DISTRONIC
see Active Emergency Stop Assist
see Active Lane Keeping Assist
see Active Parking Assist
see Active Speed Limit Assist
see Active Steering Assist
see AIR BODY CONTROL
see ATTENTION ASSIST
see Blind Spot Assist
see Cruise control
see Driving safety system
see HOLD function
see Limiter
see Parking Assist PARKTRONIC
see Reversing camera
see Traffic Sign Assist
Driving tips
Driving abroad (low beam light adjustment)..... 134
General driving tips..... 172
optimised acceleration..... 171
Running-in notes..... 170
Driving tips
see Recuperation
Drowsiness detection
see ATTENTION ASSIST
DYNAMIC BODY CONTROL
Chassis..... 250
Dynamic handling control system
see ESP® (Electronic Stability Program)
DYNAMIC SELECT
Calling up the fuel consumption indicator..... 186
Configuring drive program I..... 185
Displaying engine data..... 185
Displaying vehicle data..... 185
Drive program display..... 184
Drive programs..... 183
Function..... 183

Operating (DYNAMIC SELECT switch)..... 184
Selecting the drive program..... 184

E

E10..... 418
Easy entry feature
Function/notes..... 115
Setting..... 116
Easy exit feature
Function/notes..... 115
Setting..... 116
EASY-PACK boot box
Adjusting the height to any position..... 125
Care..... 372
Installing/removing..... 126
EBD (Electronic Brake force Distribution)
Function/notes..... 221
ECO Assist
Function/notes..... 177, 180
ECO display
Function..... 176
ECO start/stop function
Switching off/on..... 176
Electric drive..... 164
Electric parking brake
Applying automatically..... 213
Applying/releasing manually..... 214
Emergency braking..... 214
Releasing automatically..... 213
Electrical fuses
see Fuses
Electromagnetic compatibility
Declaration of conformity..... 28
Electronic Stability Program
see ESP® (Electronic Stability Program)
Emergency
Fire extinguisher..... 375
First-aid kit (soft sided)..... 375
Overview of the help functions..... 18
Removing the warning triangle..... 374
Safety vest..... 374
Setting up the warning triangle..... 375
Emergency braking..... 214
Emergency braking
see BAS (Brake Assist System)
Emergency call
see Mercedes-Benz emergency call system
Emergency key
Inserting/removing..... 80
Locking/unlocking the doors..... 85
Emergency operation mode
Starting the vehicle..... 168
Emergency shutoff
see Hybrid system
Emergency spare wheel
Notes..... 410
Energy flow display
Displaying..... 326
Function/notes..... 327
Engine
Engine number..... 415
Starting (emergency operation mode)..... 168
Starting (Remote Online)..... 169
Engine data
Displaying..... 185
Engine electronics
Notes..... 412
Engine number..... 415

Engine oil
Additives ... 423
Capacity ... 423, 424
Checking the oil level using the oil dipstick ... 362
Checking the oil level using the on-board computer ... 363
MB-Freigabe or MB-Approval ... 423, 424
Quality ... 423, 424
Topping up ... 364
ERA-GLONASS test mode
Starting/ending ... 350
Error message
see Display message
ESC (Electronic Stability Control)
see ESP® (Electronic Stability Program)
ESP®
Crosswind Assist ... 220
Trailer stabilisation ... 220
ESP® (Electronic Stability Program)
Activating/deactivating ... 220
Function/notes ... 219
EU type approval number ... 415
Exterior lighting
Care ... 370
Exterior lighting
see Lights

F

Fatigue detection
see ATTENTION ASSIST
Fire extinguisher ... 375
First-aid kit (soft sided) ... 375
Flacon
Inserting/removing ... 154
Flat towing
see Tow-bar system
Flat tyre
MOExtended tyres ... 376
Notes ... 376
TIREFIT kit ... 378
Wheel change ... 405
Floor mats ... 132
Fog light (enhanced) ... 138
Foil covering
Radar and ultrasonic sensors ... 216
Fragrance
see Fragrance system
Fragrance system
Inserting/removing the flacon ... 154
Setting ... 153
Free software ... 42
Frequencies
Mobile phone ... 413
Two-way radio ... 413
Front airbag (driver, front passenger) ... 50
Front passenger seat
see Seat
Fuel
Additives ... 419
Diesel ... 420
E10 ... 418
Fuel reserve ... 421
Low outside temperatures ... 420
Petrol ... 418
Quality (diesel) ... 420
Quality (petrol) ... 418
Refuelling ... 190
Sulphur content ... 418
Tank content ... 421

Fuel consumption indicator
Calling up ... 186
Function seat
see Door control panel
Fuses
Before replacing a fuse ... 392
Fuse assignment diagram ... 392
Fuse box in the boot ... 394
Fuse box in the engine compartment ... 393
Fuse box in the front passenger footwell ... 394
Fuse box on the dashboard ... 394
Notes ... 392

G

Garage door opener
Clearing the memory ... 212
Garage door openers
Opening/closing the door ... 212
Programming buttons ... 210
Resolving problems ... 212
Synchronising the rolling code ... 211
Gearshift recommendation ... 189
Genuine parts ... 24
Glide mode ... 189
Glove box
Air vent ... 163
Gross mass ... 415

H

Handbrake
see Electric parking brake
Handling characteristics (unusual) ... 395
HANDS-FREE ACCESS ... 89
Hazard warning lights ... 136
Head restraint
Front (adjusting mechanically) ... 108
Rear (adjusting) ... 109
Rear (removing/fitting) ... 109
Head-up display
Adjusting brightness (on-board computer) ... 287
Adjusting display elements (on-board computer) ... 287
Care ... 372
Function ... 287
Menu (on-board computer) ... 287
Operating the memory function ... 117
Setting the position (on-board computer) ... 287
Switching on/off ... 289
Headlamp flashing ... 136
Headlamps
see Automatic driving lights
Heating
see Climate control
Help call
see Mercedes-Benz emergency call system
High beam
Activating/deactivating ... 136
High beam
see Adaptive Highbeam Assist
see Adaptive Highbeam Assist Plus
High-pressure cleaner (care) ... 368
High-voltage battery
Charge level display ... 208
Charging cable control panel ... 201
Charging duration ... 428
Connection types ... 428

Ending the charging process (alternating current, mode 2/3) 207
Energy flow display 326
General notes on charging 196
Notes on charging (charging station, mode 3) 199
Notes on charging (mains socket, mode 2) 198
Notes on charging (wallbox, mode 3) 199
Range 428
Setting the maximum possible charging current (mains socket) 200
Stowing the charging cable 196
Type 428
Voltage types 428
Hill Start Assist 222
HOLD function
Function/notes 221
Switching on/off 222
Home screen (media display)
Overview 313
Hooking the luggage net 124
Hybrid system
Configuring settings via the multimedia system 326
Manual switch-off 165
Hybrid system
see Battery operation
see Electric drive

I

i-Size child seat securing system
Fitting 66
Seats suitable for attaching 66
Identification plate
Engine 415
Vehicle 415
Ignition key
see Key
Immediate pre-entry climate control 157
Immobiliser 99
Implied warranty
Vehicle 39
In-Car Office
Features 344
Indicator lamp
see Warning/indicator lamp
Individual drive program
Configuring 185
Selecting 184
Inspection
see ASSYST PLUS
Instrument cluster
Function/notes 281, 282
Instrument display
Function/notes 282
Instrument cluster 12
Overview of displays 286
Warning/indicator lamps 499
Instrument display and on-board computer
Function/notes 281
Intelligent Light System
Activating/deactivating 138
Active headlamps 137
Adaptive Highbeam Assist 139
Adaptive Highbeam Assist Plus 140
Bad weather light 138
City lighting 138

Cornering light ... 137
Fog light (enhanced) ... 138
Motorway mode ... 138
Overview ... 137

Intelligent operating-mode strategy
see Route-based operating-mode strategy

Interior lighting
Adjusting ... 142
Ambient lighting ... 143
Reading lamp ... 142
Switch-off delay time ... 143

Interior protection
Function ... 101
Priming/deactivating ... 102

Internet radio
see TuneIn

Ionisation
Activating/deactivating (MBUX multimedia system) ... 153

iPhone®
see Smartphone integration

ISOFIX child seat anchor
Seats suitable for attaching ... 65

ISOFIX child seat securing system
Fitting ... 66

J

Jack
Declaration of conformity ... 34
Storage location ... 404

Jump-start connection
General notes ... 383

K

Key
Acoustic locking verification signal ... 79
Activating/deactivating pre-entry climate control ... 155
Battery ... 80
Deactivating a function ... 79
Emergency key ... 80
Energy consumption ... 79
Function overview ... 78
Key ring attachment ... 80
Problem ... 81
Unlocking setting ... 79

KEYLESS-GO
Deactivating a function ... 79
Locking/unlocking the vehicle ... 83
Problem ... 84
Unlocking setting ... 79

Kickdown
Using ... 189

Knee airbag ... 50

L

Lamp
see Interior lighting

Lamp (instrument display)
see Warning/indicator lamp

Lane detection (automatic)
see Active Lane Keeping Assist

Lane Keeping Assist
see Active Lane Keeping Assist

Language
Notes ... 325
Setting ... 325

Level control system
see AIR BODY CONTROL

Light adjustment
Low beam (driving abroad)..... 134
Light switch
Overview..... 134
Lighting
see Interior lighting
see Lights
Lights
Active headlamps..... 137
Adaptive Highbeam Assist..... 139
Adaptive Highbeam Assist Plus..... 140
Automatic driving lights..... 135
Bad weather light..... 138
City lighting..... 138
Combination switch..... 136
Cornering light..... 137
Driving abroad (low beam light adjustment)..... 134
Fog light (enhanced)..... 138
Hazard warning lights..... 136
Headlamp flashing..... 136
High beam..... 136
Intelligent Light System..... 137
Light switch..... 134
Low beam..... 134
Motorway mode..... 138
Parking lights..... 134
Rear fog light..... 134
Responsibility for lighting systems..... 134
Setting low beam..... 142
Setting the exterior lighting switch-off delay time..... 142
Standing lights..... 134
Switching the Intelligent Light System on/off..... 138
Switching the surround lighting on/off... 142
Turn signal indicator..... 136
Limiter
Activating..... 226
Buttons..... 226
Calling up a speed..... 226
Deactivating..... 226
Function..... 225
Maximum design speed..... 183
Passive mode..... 225
Permanent setting..... 228
Requirements..... 226
Selecting..... 226
Setting a speed..... 226
Storing a speed..... 226, 230
Switching off/deactivating..... 230
Switching on/activating..... 230
System limits..... 225
Limiting speed
see Limiter
LINGUATRONIC
Acoustic aids..... 292
Function..... 316
Improving voice quality..... 293
Language setting..... 291
Media player voice commands..... 303
Message voice commands..... 306
Multifunction steering wheel (operation)..... 290
Navigation voice commands..... 295
Notes on the voice commands..... 293
Online voice control..... 293
Operable functions..... 291
Operating safety..... 290
Radio voice commands..... 302
Setting (MBUX multimedia system)..... 292
Starting..... 317
Switch voice commands..... 294
Telephone voice controls..... 300
Text message voice commands..... 306

TV voice commands ... 302
Vehicle voice commands ... 307
Voice prompting ... 290

Live Traffic Information
Switching the traffic information display on ... 332

Loading
Notes ... 118
Roof luggage rack ... 127
Tie-down eyes ... 124

Loading guidelines ... 118

Loads
Fixing ... 118

Locking/unlocking
Additional door lock ... 81
Emergency key ... 85
KEYLESS-GO ... 83
Switching the automatic locking feature on/off ... 84
Unlocking/opening the doors from the inside ... 82

Low beam
Activating/deactivating ... 134
Light adjustment (driving abroad) ... 134
Setting ... 142

Lubricant additives
see Additives

Luggage
Luggage net ... 124
Securing ... 118

Lumbar support
see Lumbar support (4-way)

Lumbar support (4-way) ... 107

M

Maintenance
see ASSYST PLUS

Malfunction
Restraint system ... 44

Manoeuvring aid
see Manoeuvring assistance

Manoeuvring Assist
see Trailer Manoeuvring Assist

Manoeuvring assistance
Cross Traffic Alert ... 269
Drive Away Assist ... 268
Manoeuvring brake function ... 269

Manoeuvring assistant
Activating/deactivating ... 270

Manoeuvring brake function ... 269

Map
Displaying online map contents ... 332
Displaying weather information ... 332
Moving ... 331
Selecting the map orientation ... 331
Setting the map scale ... 331
Switching motorway information on/off ... 331

Massage programmes
Overview ... 111
Resetting the settings ... 111
Selecting the front seats ... 111

Maximum design speed ... 183

Maximum design speed
see Limiter

Maximum permissible gross vehicle weight ... 415

MBUX Interior Assistant
Overview ... 317
Switching the reading light on/off (contactless) ... 319

Switching the search light on/off (contactless) 319

MBUX multimedia system
Activating/deactivating standby mode 216
Configuring drive program l 185
Home screen 313
Notes 311
Operating the touchscreen 314
Overview 311
Restoring (factory settings) 325
Setting collision detection (parked vehicle) 214
Setting route-based speed adaptation 235
Setting the air distribution 152
Setting the fragrance system 153
Setting the stationary heater/ventilation 159
Standby mode function 215
Switching ionisation on/off 153

MBUX multimedia system
see Display (MBUX multimedia system)
see MBUX Interior Assistant

Media
Overview of the functions and symbols 351

Media mode
Connecting Bluetooth® audio equipment 353

Medical aids 38

Memory function
Function 116
Head-up display 117
Operating 117
Outside mirrors 117
Seat 117
Steering wheel 117

Menu (on-board computer)
Head-up display 287
Overview 283

Mercedes me app
Information 344

Mercedes me calls
Arranging a service appointment 340
Calling the Mercedes-Benz customer centre 339
Calling the Mercedes-Benz Customer Centre after automatic accident or breakdown detection 340
Consenting to data transfer 341
Information 339
Making a call via the overhead control panel 338
Transferred data 341

Mercedes me connect
Accident and Breakdown Management 343
Information 342
Transferred data 344

Mercedes-AMG vehicles
Notes 164

Mercedes-Benz emergency call system
Automatic emergency call 347
Information 347
Information about data transfer 349
Manual emergency call 348
Overview 347
Self-diagnosis 349
Starting/ending ERA-GLONASS test mode 350

Mercedes-Benz service centre
see Qualified specialist workshop

Message (instrument display)
see Display message

Message memory 433

Messages
Voice commands (LINGUATRONIC)..... 306
Mirrors
see Outside mirrors
Mobile phone
Frequencies..... 413
Notes on wireless charging..... 130
Transmission output (maximum)..... 413
Mobile phone
see Smartphone integration
see Telephone
Model type
see Vehicle identification plate
MOExtended tyres..... 376
Motorway mode..... 138
Moving away
see Driving tips
MULTIBEAM LED..... 137
Multifunction steering wheel
Operation..... 290
Overview of buttons..... 283
Multifunction steering wheel
see Steering wheel
Multimedia system
see MBUX multimedia system

N

Navigation
Notes..... 327
Overview..... 328
Showing/hiding the menu..... 327
Switching on..... 327
Voice commands (LINGUATRONIC)..... 295
Navigation
see Destination entry
see Map
see Route
Neutral
Engaging..... 187
Noise
Wheels and tyres..... 395
Wheels/tyres..... 395

O

Occupant safety
see Airbag
see Automatic co-driver airbag shutoff
see Child seat
see Pets in the vehicle
see PRE-SAFE® (anticipatory occupant protection)
see PRE-SAFE® Impulse Side
see PRE-SAFE® PLUS (anticipatory occupant protection plus)
see Restraint system
see Seat belt
Oil
see Engine oil
On-board computer
Displaying the service due date..... 359
Head-up display menu..... 287
Instrument display..... 286
Menu overview..... 283
Operating..... 283
On-board diagnostics interface
see Diagnostics connection
On-board electrical system battery (12 V)
Charging..... 385
Replacing..... 386
Starting assistance..... 385

On-board electronics
Engine electronics ... 412
Notes ... 412
Two-way radios ... 412
Online services
Data storage ... 41
Online services
see In-Car Office
Open-source software ... 42
Opening the boot lid using your foot
HANDS-FREE ACCESS ... 89
Operating fluids
AdBlue® ... 422
Additives (fuel) ... 419
Brake fluid ... 425
Coolant (engine) ... 425
Engine oil ... 423
Fuel (diesel) ... 420
Fuel (petrol) ... 418
Notes ... 417
Windscreen washer fluid ... 426
Operating safety
48 V on-board electrical system ... 25
Declaration of conformity (electromagnetic compatibility) ... 28
Declaration of conformity (jack) ... 34
Declaration of conformity (TIREFIT kit) ... 35
Declaration of conformity (wireless vehicle components) ... 28
Information ... 25
Operating system
see On-board computer
Optimised acceleration
Activating ... 171
Output
see Power meter
Outside mirrors
Anti-dazzle mode (automatic) ... 147
Automatic mirror folding function ... 149
Folding in/out ... 146
Operating the memory function ... 117
Parking position ... 148
Setting ... 146
Overhead control panel
Overview ... 14
Owner's Manual
Vehicle equipment ... 25
Owner's Manual (digital) ... 20, 21

P

Paint (cleaning instructions) ... 368
Paint code ... 415
Panel heating
Setting ... 113
Panorama sliding sunroof
see Sliding sunroof
Park position
Engaging ... 187
Selecting automatically ... 187
Parking
see Electric parking brake
Parking aid
see Parking Assist PARKTRONIC
Parking Assist PARKTRONIC
Activating ... 263
Adjusting warning tones ... 264
Deactivating ... 263
Function ... 260
System limitations ... 260

Parking assistance systems
see Active Parking Assist
Parking brake
see Electric parking brake
Parking lights ... 134
Parking option
Selecting ... 332
Parking position
Outside mirrors ... 148
Storing the position of the passenger outside mirror using reverse gear ... 148
Parking service
Selecting parking options ... 332
Parking up ... 215
PASSENGER AIR BAG status display
see Automatic front passenger airbag shutoff
Pedestrian protection
see Active bonnet (pedestrian protection)
Perfume
see Fragrance system
Perfume vial
see Fragrance system
Period out of use
Activating/deactivating standby mode ... 216
Standby mode function ... 215
Permissible axle load ... 415
Permissible towing methods ... 387
Permitted towing methods ... 387
Petrol ... 418
Pets in the vehicle ... 77
Plastic trim (Care) ... 372
Plug-in hybrid operation
Charging cable control panel ... 201
Charging the high-voltage battery at a charging station (mode 3) ... 199
Charging the high-voltage battery at a mains socket (mode 2) ... 198
Charging the high-voltage battery at a wallbox (mode 3) ... 199
Configuring settings via the multimedia system ... 326
Displaying the power meter ... 286
Ending the charging process (alternating current, mode 2/3) ... 207
Energy flow display ... 327
Haptic accelerator pedal ... 182
Indicator lamps on vehicle socket ... 202
Manual switch-off of the hybrid system ... 165
Notes on charging the high-voltage battery ... 196
Notes on plug-in hybrid operation ... 164
Power availability display ... 285
Power meter ... 285
Route-based operating-mode strategy ... 182
Setting the maximum possible charging current ... 200
Starting the charging process ... 204
Stowing the charging cable ... 196
Power availability display
Function/notes ... 285
Power closing function
Door ... 85
Power display
see Power availability display
Power meter
Function/notes ... 285
Power supply
Switching on (start/stop button) ... 167
Pre-entry climate control (immediate) ... 157

Pre-entry climate control at departure time
Function 156
Setting 156
Pre-entry climate control for departure time
Activating/deactivating 157
Pre-entry climate control using the key
Function 155
Setting 155
Pre-entry climate control via the key
Activating/deactivating 155
PRE-SAFE® (anticipatory occupant protection)
Function 56
PRE-SAFE® Sound 56
Reversing measures 57
PRE-SAFE® Impulse Side
Activation 44
Function 57
PRE-SAFE® PLUS (anticipatory occupant protection plus)
Function 57
Reversing measures 57
Preventative occupant protection system
see PRE-SAFE® (anticipatory occupant protection)
see PRE-SAFE® PLUS (anticipatory occupant protection plus)
Profile
Creating a new profile 321
Notes 320
Selecting profile options 321
Programme
see DYNAMIC SELECT
Protection against collision
see Manoeuvring brake function
Protection of the environment
Notes 23
Take-back of end-of-life vehicles 23

Q

QR code
Rescue card 39
Qualified specialist workshop 37

R

Radar and ultrasonic sensors
Damage 216
Radio
Overview of the functions and symbols 355
Voice commands (LINGUATRONIC) 302
Rain closing function
Side windows 92
Rain-closing feature
Sliding sunroof 97
REACH regulation 38
Reading lamp
see Interior lighting
Reading light
Switching on/off (contactless) 319
Real wood (Care) 372
Rear door (child safety lock) 75
Rear fog light
Switching on/off 135
Rear seat
see Seat

Rear seat belt
Status display ... 49
Rear seat belt status display ... 49
Rear window
Roller sunblind ... 99
Rear window heater ... 150
Rear-view mirror
Anti-dazzle mode (automatic) ... 147
Rear-view mirror
see Outside mirrors
Recuperation
Function ... 179
Setting ... 179
Recycling
see Take-back of end-of-life vehicles
Reducing agent
see AdBlue®
Refuelling
Refuelling the vehicle ... 190
Registration
Vehicle ... 37
Regulatory radio identification
Indonesia ... 414
Small components ... 414
Remote control (stationary heater/ventilation)
Displays ... 160
Problems ... 162
Replacing the battery ... 161
Setting ... 159
Remote Online
Charging the starter battery ... 169
Cooling/heating the vehicle interior ... 169
Starting the vehicle ... 169
Rescue card ... 39
Reserve
Fuel ... 421
Reset function (MBUX multimedia system) ... 325
Residual heat ... 153
Restoring (factory settings)
see Reset function (MBUX multimedia system)
Restraint system
Basic instructions for children ... 58
Function in an accident ... 44
Functionality ... 43
Malfunction ... 44
Protection ... 43
Reduced protection ... 43
Self-test ... 43
Warning lamp ... 43
Reverse gear
Engaging ... 187
Reversing camera
Care ... 370
Function ... 253
Switching automatic operation on/off (360° Camera) ... 260
Rims (care) ... 370
Roll away protection
see HOLD function
Roller sunblind
Rear window ... 99
Side windows ... 98
Sliding sunroof ... 94
Roof lining (care) ... 372
Roof load ... 428

Roof luggage rack
Loading ... 127
Securing ... 127
Route
Calculating ... 330
Selecting options ... 330
Route guidance with augmented reality
Activating ... 330
Displaying street names and house numbers ... 330
Route-based operating-mode strategy
Function/notes ... 182
Route-based speed adaptation
Function ... 233
Setting ... 235
Run-flat characteristics
MOExtended tyres ... 376
Running-in notes ... 170

S

Safety systems
see Driving safety system
Safety vest ... 374
Search light
Switching on/off (contactless) ... 319
Seat
4-way lumbar support ... 107
adjusting (electrically) ... 107
Adjusting (manually and electrically) ... 104
Adjusting (Seat Comfort) ... 106
Automatic adjustment ... 110
Configuring settings ... 109
Correct driver's seat position ... 103
Folding back the backrest (rear) ... 123
Folding the backrest forwards (rear) ... 121
Locking the backrest (rear) ... 123
Massage programme overview ... 111
Operating the memory function ... 117
Panel heating ... 113
Resetting the settings ... 111
Setting options ... 16
Workout programme overview ... 111
Seat belt
Activating/deactivating seat belt adjustment ... 49
Adjusting the height ... 48
Care ... 372
Fastening ... 48
Protection ... 45
Rear seat belt status display ... 49
Reduced protection ... 46
Releasing ... 49
Seat belt adjustment (function) ... 49
Warning lamp ... 49
Seat belt adjustment
Activating/deactivating ... 49
Function ... 49
Seat belt tensioners
Activation ... 44
Seat belt warning
see Seat belt
Seat cover (Care) ... 372
Seat heating
Activating/deactivating ... 112
Seat ventilation
Switching on/off ... 113
Selecting a gear
see Changing gears
Selector lever
see DIRECT SELECT lever

Self-test
Automatic front passenger airbag shut off..... 54
Sensors (care)..... 370
Service
see ASSYST PLUS
Service centre
see Qualified specialist workshop
Service interval display
see ASSYST PLUS
Setting a speed..... 183
Setting a speed
see Cruise control
Setting the map scale
see Map
Shift paddles
see Steering wheel gearshift paddles
Shifting gears
Gearshift recommendation..... 189
Side airbag..... 50
Side windows
Automatic function..... 92
Child safety lock in the rear..... 77
Closing using the key..... 93
Convenience closing..... 93
Convenience opening..... 93
Opening with the key..... 93
Opening/closing..... 91
Problem..... 94
Rain closing function..... 92
Roller sunblind..... 98
Sliding sunroof
Automatic functions..... 97
Closing..... 94
Closing using the key..... 93
Opening..... 94
Opening with the key..... 93
Problem..... 98
Rain-closing feature..... 97
Smartphone
see Smartphone integration
see Telephone
Smartphone integration
Overview..... 346
Snow chains..... 395
Socket (12 V)
Front centre console..... 129
Socket (230 V)
Rear..... 129
Software update
System updates..... 322
Sound
PRE-SAFE® Sound..... 56
Sound menu
Functions overview..... 357
Spare wheel
see Emergency spare wheel
Specialist workshop
see Qualified specialist workshop
Specific absorption rate..... 28
Speed limit for winter tyres
Setting..... 228
Standby mode
Activating/deactivating..... 216
Function..... 215
Standing lights..... 134

Start-off assist
see Optimised acceleration
Start/stop button
Parking the vehicle ... 208
Starting the vehicle ... 168
Switching on the power supply/vehicle .. 167
Start/stop function
see ECO start/stop function
Starter battery
Charging (Remote Online) ... 169
Starting
see Vehicle
Starting assistance
see Jump-start connection
Starting-off aid
see Hill Start Assist
Stationary heater/ventilation
Activating/deactivating (control panel) ... 158
Displays (remote control) ... 160
Problems (remote control) ... 162
Replacing the battery (remote control) ... 161
Setting (MBUX multimedia system) ... 159
Setting (remote control) ... 159
STEER CONTROL
Function/notes ... 221
Steering wheel
Adjusting (electrically) ... 114
Adjusting (manually) ... 113
Buttons ... 283
Care ... 372
Operating the memory function ... 117
Steering wheel heater ... 115
Steering wheel gearshift paddles ... 188
Steering wheel heater
Switching on/off ... 115
Steering-wheel buttons
Overview ... 290
Stowage areas
see Loading
see Stowage space
Stowage compartments
see Loading
see Stowage space
Stowage space
Armrest ... 121
Centre console ... 121
Door ... 121
Glove compartment ... 121
Street names and house numbers
Displaying ... 330
Suggestions
Configuring ... 321
Sulphur content ... 418
Surround lighting
Switching on/off ... 142
Surround View
see 360° Camera
Suspension
Adjusting the chassis level (AIR BODY CONTROL) ... 251
Suspension
see AIR BODY CONTROL
SVHC (substances of very high concern) ... 38
Switch-off delay time
Exterior ... 142
Interior ... 143
Synchronisation function
Activating/deactivating (control panel) ... 152
Activating/deactivating (MBUX multimedia system) ... 153

System settings
Overview of the system settings menu.... 321
Reset function (MBUX multimedia system)..... 325

System settings
see Language

T

Tailpipes (care)..... 370

Take-back of end-of-life vehicles
Protection of the environment..... 23

Tank content
AdBlue®..... 422
Fuel..... 421
Reserve (fuel)..... 421

Technical data
Axle load (trailer operation)..... 432
Component-specific information..... 414
Fastening points (trailer hitch)..... 429
Information..... 412
Mounting dimensions (trailer hitch)..... 429
Notes (trailer hitch)..... 429
Overhang dimension (trailer hitch)..... 430
Regulatory radio identification (Indonesia)..... 414
Regulatory radio identification of small components..... 414
Tongue weight..... 431
Towing capacity (trailer operation)..... 431

Telephone
Connecting a mobile phone (Passkey).... 338
Connecting a mobile phone (Secure Simple Pairing)..... 338
Functions in the telephone menu..... 338
Notes..... 335
Notes on wireless charging (mobile phone)..... 130
Operating modes..... 337
Telephone menu overview..... 337
Voice commands (LINGUATRONIC)..... 300
Wireless charging (mobile phone)..... 132

Telephony operating modes
Bluetooth® Telephony..... 337
Making calls in the vehicle..... 337

Television
see TV

Temperature
Setting the vehicle interior temperature..... 150

Text messages
Voice commands (LINGUATRONIC)..... 306

Themes
Fastening..... 321

Through-loading feature
see Seat

Tie-down eyes..... 124

TIREFIT kit
Declaration of conformity..... 35
Storage location..... 377
Using..... 378

To switch on the ignition
see Vehicle

Toll system
Windscreen..... 149

Tongue weight..... 431

Tool
see Vehicle tool kit

Top Tether..... 69

Topping up
Topping up AdBlue®... 194
Touch Control
On-board computer... 283
Operating... 314
Touchpad
Operating... 314
Touchscreen
Operating... 314
Tow-away protection
Function... 100
Priming/deactivating... 101
Tow-bar system... 280
Tow-starting... 392
Towing away... 388
Towing eye
Fitting... 391
Storage location... 391
Towing methods... 387
Traffic information
Switching on the display... 332
Traffic Sign Assist
Function/notes... 243
Setting... 244
System limits... 243
Trailer hitch
Axle load... 432
Bicycle rack... 278
Care... 370
Coupling up/uncoupling a trailer... 275
Extending/retracting the ball neck... 273
Extending/retracting the ball neck (MBUX multimedia system)... 275
Fastening points... 429
General notes... 429
Mounting dimensions... 429
Notes... 272
Overhang dimension... 430
Socket... 275
Tongue weight... 431
Towing capacity... 431
Trailer Manoeuvring Assist... 270
Trailer Manoeuvring Assist
Function... 270
Using... 271
Trailer operation
Active Blind Spot Assist... 246
Active Lane Keeping Assist... 247
Bicycle rack... 278
Coupling up/uncoupling a trailer... 275
Extending/retracting the ball neck... 273
Extending/retracting the ball neck (MBUX multimedia system)... 275
Notes... 272
Socket... 275
Trailer stabilisation
Function/notes... 220
Transmission
Engaging neutral... 187
Transmission position display... 186
Transporting
Vehicle... 390
Trim element (Care)... 372
TuneIn
Calling up... 357
Turn signal indicator
Activating/deactivating... 136

TV
Information ... 354
Voice commands (LINGUATRONIC) ... 302

Two-way radios
Frequencies ... 413
Notes on installation ... 412
Transmission output (maximum) ... 413

Type approval number (EU) ... 415

Tyre inflation compressor
see TIREFIT kit

Tyre pressure
Checking (tyre pressure monitoring system) ... 398
Notes ... 396
Restarting the tyre pressure loss warning system ... 400
Restarting the tyre pressure monitoring system ... 399
TIREFIT kit ... 378
Tyre pressure loss warning system (function) ... 399
Tyre pressure monitoring system (function) ... 398
Tyre pressure table ... 397

Tyre pressure loss warning system
Function ... 399
Restarting ... 400

Tyre pressure monitoring system
Checking the tyre pressures ... 398
Checking the tyre temperature ... 398
Function ... 398
Restarting ... 399

Tyre pressure table ... 397

Tyre temperature
Checking (tyre pressure monitoring system) ... 398
Tyre pressure monitoring system (function) ... 398

Tyre tread ... 395

Tyre-change tool kit
Overview ... 404

Tyres
Checking ... 395
Checking the tyre pressure (tyre pressure monitoring system) ... 398
Fitting ... 408
Flat tyre ... 376
Interchanging ... 403
MOExtended tyres ... 376
Noise ... 395
Notes on fitting ... 400
Removing ... 408
Replacing ... 400, 405
Replacing the wheel trim ... 405
Restarting the tyre pressure loss warning system ... 400
Restarting the tyre pressure monitoring system ... 399
Selection ... 400
Snow chains ... 395
Storing ... 404
TIREFIT kit ... 378
Tyre pressure (Notes) ... 396
Tyre pressure loss warning system (function) ... 399
Tyre pressure monitoring system (function) ... 398
Tyre pressure table ... 397
Unusual handling characteristics ... 395

U

Unlocking
see Locking/unlocking

Updates
Important system updates..... 322
USB port
Front stowage compartment..... 121
Rear..... 130

V

Vehicle
Activating/deactivating standby mode... 216
Additional door lock..... 81
Collision detection (parked vehicle)..... 214
Correct use..... 37
Data acquisition..... 39
Data storage..... 39
Diagnostics connection..... 35
Equipment..... 25
Implied warranty..... 39
Locking (automatically)..... 84
Locking/unlocking (emergency key)..... 85
Locking/unlocking (from inside)..... 82
Locking/unlocking (KEYLESS-GO)..... 83
Lowering..... 409
Medical aids..... 38
Parking up..... 215
QR code rescue card..... 39
Qualified specialist workshop..... 37
Raising..... 406
REACH regulation..... 38
Registration..... 37
Standby mode function..... 215
Starting (emergency operation mode).... 168
Starting (Remote Online)..... 169
Starting (start/stop button)..... 168
SVHC (substances of very high concern).. 38
Switching off (start/stop button)..... 208
Switching on (start/stop button)..... 167
Towing..... 280
Ventilating (convenience opening)..... 93
Voice commands (LINGUATRONIC)..... 307
Vehicle battery
see On-board electrical system battery (12 V)
Vehicle camera
Information..... 216
Vehicle data
Displaying (DYNAMIC SELECT)..... 185
Notes..... 427
Roof load..... 428
Vehicle height..... 427, 428
Vehicle length..... 427, 428
Vehicle width..... 427, 428
Wheelbase..... 427, 428
Vehicle dimensions..... 427, 428
Vehicle emergency start..... 392
Vehicle identification number
see VIN
Vehicle identification plate
EU type approval number..... 415
Maximum gross vehicle weight..... 415
Paint code..... 415
Permissible axle load..... 415
VIN..... 415
Vehicle interior
Cooling or heating (Remote Online)..... 169
Vehicle key
see Key
Vehicle maintenance
see ASSYST PLUS
Vehicle sensors
Information..... 216
Vehicle socket
Care..... 370
Indicator lamps..... 202

Vehicle tool kit
TIREFIT kit ... 377
Towing eye ... 391
Ventilating
Convenience opening ... 93
Ventilation
see Climate control
Vents
see Air vents
VIN
Identification plate ... 415
Seat ... 415
Windscreen ... 415
Vision
Demisting windows ... 153
Windscreen heater ... 155
Voice control system
see LINGUATRONIC
Voice dialogue system
see LINGUATRONIC

W

Warning lamp
see Warning/indicator lamp
Warning system
see ATA (anti-theft alarm system)
Warning triangle
Removing ... 374
Setting up ... 375
Warning/indicator lamp
ABS warning lamp ... 511
Active Brake Assist warning lamp ... 510
Brake system warning lamp (red) ... 509
Brake system warning lamp (yellow) ... 508
Coolant warning lamp (red) ... 505
Coolant warning lamp (yellow) ... 506
Electric parking brake indicator lamp (red) ... 508
Electrical fault warning lamp ... 503, 507
Engine diagnosis warning lamp ... 507
ESP® OFF warning lamp ... 513
ESP® warning lamp flashes ... 512
ESP® warning lamp lights up ... 512
Fuel reserve warning lamp lights up ... 507
Power steering warning lamp (red) ... 503
Reduced warning lamp power ... 502
Restraint system warning lamp ... 501
Seat belt warning lamp flashes ... 502
Seat belt warning lamp lights up ... 502
Suspension warning lamp (yellow) ... 511
System error warning lamp ... 503
The electric parking brake (yellow) indicator lamp ... 508
Trailer tow hitch warning lamp ... 504
Tyre pressure monitoring system warning lamp flashes ... 514

Tyre pressure monitoring system warning lamp lights up ... 514
Warning lamp for distance warning function ... 510
Overview ... 499
PASSENGER AIR BAG ... 54

Warranty ... 39

Washer fluid
see Windscreen washer fluid

Washing by hand (care) ... 368

Water tank
see Air-water duct

Weather information ... 332

Web browsers
Overview ... 345

Wheel change
Fitting a new wheel ... 408
Lowering the vehicle ... 409
Preparation ... 405
Raising the vehicle ... 406
Removing a wheel ... 408
Removing/fitting hub caps ... 405

Wheel change
see Emergency spare wheel

Wheel rotation ... 403

Wheels
Care ... 370
Checking ... 395
Checking the tyre pressure (tyre pressure monitoring system) ... 398
Fitting ... 408
Flat tyre ... 376
Interchanging ... 403
MOExtended tyres ... 376
Noise ... 395
Notes on fitting ... 400
Removing ... 408
Replacing ... 400, 405
Replacing the hub cap ... 405
Restarting the tyre pressure loss warning system ... 400
Restarting the tyre pressure monitoring system ... 399
Selection ... 400
Snow chains ... 395
Storing ... 404
TIREFIT kit ... 378
Tyre pressure (Notes) ... 396
Tyre pressure loss warning system (function) ... 399
Tyre pressure monitoring system (function) ... 398
Tyre pressure table ... 397
Unusual handling characteristics ... 395

Wi-Fi
Setting ... 323

Window airbag ... 50

Window lifter
see Side windows

Windows
Care ... 370

Windows
see Side windows

Windscreen
Demisting ... 150
Infrared reflective ... 149
Radio waves ... 149
Replacing the wiper blades ... 144

Windscreen
see Windscreen

Windscreen heater 155
Windscreen heater
see Windscreen heater
Windscreen washer fluid
Notes 426
Windscreen washer system
Topping up 366
Windscreen wipers
Activating/deactivating 144
Replacing the wiper blades 144
Winter operation
Snow chains 395
Winter tyres
Setting the permanent speed limit 228
Wiper blades
Care 370
Replacing (windscreen) 144
Wireless charging
Function/notes 130
Mobile phone 132
Wireless vehicle components
Declaration of conformity 28
Specific absorption rate 28
Workout program
Overview 111
Workshop
see Qualified specialist workshop

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