Disclaimer
The following online version of the Owner's Manual describes all models as well as all the standard and optional equipment of your vehicle. Country-specific differences in the language variants are possible. Note that your vehicle may not be fitted with all features described. This is also the case for safety-relevant systems and functions. Please contact your authorised Mercedes-Benz dealer if you would like to have a printed Owner's Manual for other vehicle models and vehicle model years. The online version is the current valid Owner's Manual version. Possible variations to your vehicle may not be taken into account as Mercedes-Benz constantly updates their vehicles and equipment to the state of the art and introduces changes in design and equipment.
Please also read the printed Owner's Manual, any supplementary documents and the digital Owner's Manual in the vehicle.

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Mercedes-Benz



S-Class

Owner's Manual

Mercedes-Benz

Symbols

In this manual, you will find the following symbols:

⚠ WARNING

Warning notes make you aware of dangers which could pose a threat to your health or life, or to the health and life of others.

Environmental note

Environmental notes provide you with information on environmentally aware actions or disposal.

! Notes on material damage alert you to dangers that could lead to damage to your vehicle.

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

▶ This symbol designates an instruction that you must follow.

▶ Several consecutive symbols indicate an instruction with several steps.

(▷ page) This symbol tells you where you can find further information on a topic.

▷▷ This symbol indicates a warning or an instruction that is continued on the next page.

Display This text indicates a message on the multifunction display/multimedia display.

Welcome to the world of 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 vehicle life, follow the instructions and warning notices in this manual. Disregarding them may lead to damage to the vehicle or personal injury.

The equipment or model designation of your vehicle may vary according to:

- model
- order
- country variant
- availability

The illustrations in this manual show a left-hand-drive vehicle. On right-hand-drive vehicles, the layout of components and controls differs accordingly.

Mercedes-Benz is constantly updating its vehicles to the state of the art.

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

- design
- equipment
- technical features

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

The following are integral components of the vehicle:

- Printed Owner's Manual
- Service Booklet
- Equipment-dependent Supplements

Keep these documents in the vehicle at all times. If you sell the vehicle, always pass all of the documents on to the new owner.

You can get to know the important features of your vehicle in the interactive Owner's Manual on the Internet at:

http://www.mercedes-benz.de/betriebsanleitung

You can also use the Mercedes-Benz Guides App:

Apple® iOS

Android™

Please note that the Mercedes-Benz Guides App may not yet be available in your country.

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Protection of the environment

General notes

Environmental note

Daimler's declared policy is one of comprehensive environmental protection.

Our objectives are to use the natural resources which form the basis of our existence on this planet sparingly and in a manner which takes the requirements of both nature and humanity into consideration.

You too can help to protect the environment by operating your vehicle in an environmentally-responsible manner.

Fuel consumption and the rate of engine, transmission, brake and tyre wear depend on the following factors:

- operating conditions of your vehicle
- your personal driving style

You can influence both factors. Therefore, please bear the following in mind:

Operating conditions:

- avoid short trips, as these increase fuel consumption.
- observe the correct tyre pressure.
- do not carry any unnecessary weight in the vehicle.
- remove the roof rack once you no longer need it.
- a regularly serviced vehicle will contribute to environmental protection. You should therefore adhere to the service intervals.
- all maintenance work should be 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 engine when the vehicle is stationary.
- drive carefully and maintain a safe distance from the vehicle in front.
- avoid frequent, sudden acceleration and braking.
- change gear in good time and use each gear only up to $^{2}/_{3}$ of its maximum engine speed.
- switch off the engine in stationary traffic.
- monitor the vehicle's fuel consumption.

Environmental note

Have defective high-voltage batteries disposed of in an environmentally responsible manner. Consult a qualified specialist workshop which has the necessary specialist knowledge and tools to carry out the work required. Mercedes-Benz recommends that you use a Mercedes-Benz Service Centre for this purpose.

Returning an end-of-life vehicle

EU countries only:

Mercedes-Benz will take back your old vehicle to dispose of it in an environmentally-responsible manner in accordance with the European Union (EU) End of Life Vehicles Directive.

There is a network of return points and disassembly plants available. You can return your vehicle to these plants free of charge. This makes a valuable contribution to the recycling process and the conservation of resources.

For further information on recycling old vehicles, recovery and the terms of the policy, visit the Mercedes-Benz homepage.

Genuine Mercedes-Benz parts

Environmental note

Daimler AG also supplies reconditioned assemblies and parts which are of the same quality as new parts. For these, the same warranty applies as for new parts.

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

- doors
- door pillars
- door sills

- seats
- dashboard
- instrument cluster
- centre console

Do not install accessories such as audio systems in these areas. Do not carry out repairs or welding. You could impair the operating efficiency of the restraint systems.

Have accessories 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. This could lead to malfunctions in safety-relevant systems, e.g. the brake system. Only use genuine Mercedes-Benz parts or parts of equal quality. Only use tyres, wheels and accessories that have been specifically approved for your vehicle.

Mercedes-Benz tests genuine parts and conversion parts and accessories that have been specifically approved for your vehicle 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.

In Germany, certain parts are only officially approved for installation or modification if they comply with legal requirements. This also applies to some other countries. All genuine Mercedes-Benz parts meet the approval requirements. The use of non-approved parts may invalidate the vehicle's general operating permit.

This is the case:

- if they cause a change of the vehicle type from that for which the vehicle's general operating permit was granted
- if other road users could be endangered
- if the emission or noise levels are adversely affected

Always specify the vehicle identification number (VIN) (▷ page 465) when ordering genuine Mercedes-Benz parts.

Owner's Manual

Vehicle equipment

ⓘ This Owner's Manual describes all models and all standard and optional equipment available for your vehicle at the time of publication of the Owner's Manual. Country-specific differences are possible. Note that your vehicle may not be fitted with all features described. This is also the case for systems and functions relevant to safety. Therefore, the equipment on your vehicle may differ from that in the descriptions and illustrations.

The original purchase contract documentation for your vehicle contains a list of all of the systems in your vehicle.

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

The Owner's Manual and Service Booklet are important documents and should kept in the vehicle.

Operating safety

Important safety notes

⚠ WARNING

If you do not have the prescribed service/maintenance work or necessary repairs carried out, this could result in malfunctions or system failures. There is a risk of an accident.

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

⚠ WARNING

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

When driving off road or on unpaved roads, check the vehicle's underside regularly. In particular, remove parts of plants or other flammable materials which have become trapped. In the case of damage, contact a qualified specialist workshop.

⚠ WARNING

Modifications to electronic components, their software as well as wiring could affect their function and/or the operation of other networked components. This could in particular also be the case for systems relevant to safety. They might not function properly anymore and/or jeopardise the operational safety of the vehicle. There is an increased risk of an accident and injury.

Do not attempt to modify the wiring as well as electronic components or their software. Always have work on electrical and electronic components carried out at a qualified specialist workshop.

If you make any changes to the vehicle electronics, the general operating permit is rendered invalid.

! There is a risk of damage to the vehicle if:

- the vehicle becomes stuck, e.g. on a high kerb or an unpaved road
- you drive too fast over an obstacle, e.g. a kerb or a pothole in the road
- a heavy object strikes the underbody or parts of the chassis

In situations like this, the body, the underbody, chassis parts, wheels or tyres could be damaged without the damage being visible. Components damaged in this way can unexpectedly fail or, in the case of an accident, no longer withstand the strain they are designed for.

If the underbody panelling is damaged, combustible materials such as leaves, grass or twigs can gather between the underbody and the underbody panelling. If these materials come in contact with hot parts of the exhaust system, they can catch fire.

In such situations, have the vehicle checked and repaired immediately at a qualified specialist workshop. If, upon continuing your journey, you notice that driving safety is impaired, pull over and stop the vehicle immediately, paying attention to road and traffic conditions. In such cases, consult a qualified specialist workshop.

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

⚠ DANGER

The vehicle's high voltage electrical system is under high voltage. If you modify components in the vehicle's high-voltage electrical system or touch damaged components, you may be electrocuted. The components in the vehicle's high-voltage electrical system may be damaged in an accident, although the damage is not visible. There is a risk of fatal injury.

Do not touch any high-voltage components after an accident and never modify the vehicle's high-voltage electrical system. Have the vehicle towed away after an accident and the vehicle's high-voltage electrical system checked by a qualified specialist workshop.

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

Vehicles with an electric motor generate significantly less noise than vehicles with internal combustion engines. As a result, your vehicle may not be heard by other road users in certain situations. This can happen, for example, when you are parking and your vehicle is not seen by other road users. This requires you to adopt a particularly anticipatory driving style, as it is necessary to allow for the possibility that other road users may behave unpredictably.

Declarations of conformity

Wireless vehicle components

The following information applies to all components of the vehicle and the information systems and communication devices integrated into the vehicle which receive and/or transmit radio waves:

The components of this vehicle that receive and/or transmit radio waves are compliant with the basic requirements and all other relevant conditions of Directive 1999/5/EC. You can obtain further information from any Mercedes-Benz Service Centre.

Electromagnetic compatibility

The electromagnetic compatibility of the vehicle components has been checked and certified according to the currently valid version of Regulation ECE-R 10.

Diagnostics connection

The diagnostics connection is only intended for the connection of diagnostic equipment at a qualified specialist workshop.

⚠ WARNING

If you connect equipment to a diagnostics connection in the vehicle, it can affect the operation of the vehicle systems. This may affect the operating safety of the vehicle. There is a risk of an accident.

Do not connect any equipment to a diagnostics connection in the vehicle.

⚠ WARNING

Objects in the driver's footwell may restrict the clearance around the pedals or block a depressed pedal. This jeopardises the operating and road safety of the vehicle. There is a risk of an accident.

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

! If the engine is switched off and equipment on the diagnostics connection is used, the starter battery may discharge.

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 test 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 work relevant to safety.

Observe the notes in the Service Booklet.

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

- work relevant to safety
- service and maintenance work
- repair work
- modifications, installations and conversions
- work on electronic components
- work on the hybrid drive system

Mercedes-Benz recommends that you use 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 it 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

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

Observe the following information when driving your vehicle:

- the safety notes in this manual
- the vehicle technical data

- traffic rules and regulations
- laws and safety standards pertaining to motor vehicles

Implied warranty

! Follow the instructions in this manual about the proper operation of your vehicle as well as about possible vehicle damage. Damage to your vehicle that arises from culpable contraventions against these instructions are not covered either by Mercedes-Benz implied warranty or by the New or Used-Vehicle Warranty.

QR code for rescue card

The QR code is secured 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, in a compact form, the most important information about your vehicle, e.g. the routing of the electric cables.

You can find more information under http://portal.aftersales.i.daimler.com/public/content/asportal/en/communication/informationen_fuer/QRCode.html.

Data stored in the vehicle

A wide range of electronic components in your vehicle contain data memories.

These data memories temporarily or permanently store technical information about:

- the vehicle's operating state
- events
- faults

In general, this technical information documents the state of a component, a module, a system or the surroundings.

These include, for example:

- operating conditions of system components, e.g. fluid levels
- the vehicle's status messages and those of its individual components, e.g. number of wheel revolutions/speed, deceleration in movement, lateral acceleration, accelerator pedal position
- malfunctions and defects in important system components, e.g. lights, brakes
- vehicle reactions and operating conditions in special driving situations, e.g. airbag deployment, intervention of stability control systems
- ambient conditions, e.g. outside temperature

This data is of an exclusively technical nature and can be used to:

- assist in detecting and rectifying faults and defects
- analyse vehicle functions, e.g. after an accident
- optimise vehicle functions

The data cannot be used to trace the vehicle's movements.

When your vehicle is serviced, technical information can be read from the event data memory and fault data memory.

Services include, for example:

- repair services
- service processes
- warranty events
- quality assurance

The vehicle is read out by employees of the service network (including the manufacturer) using special diagnostic testers. You can obtain more information there, if required.

After a fault has been rectified, the information is deleted from the fault memory or is continually overwritten.

When operating the vehicle, situations are conceivable in which this technical data, in connection with other information (if necessary, after consultation with an authorised expert), could be traced to a person.

Examples include:

- accident reports
- damage to the vehicle
- witness statements

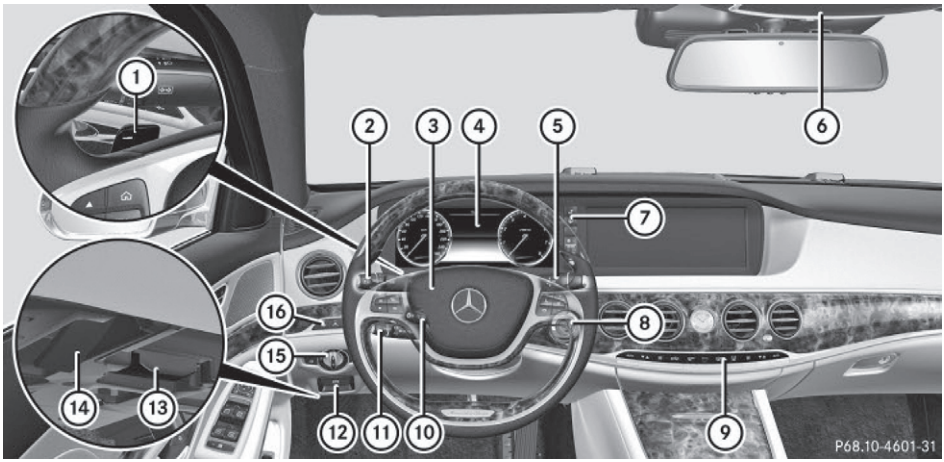
Further additional functions that have been contractually agreed upon with the customer allow certain vehicle data to be conveyed by the vehicle as well. The additional functions include, for example, vehicle location in case of an emergency.

Copyright information

General notes

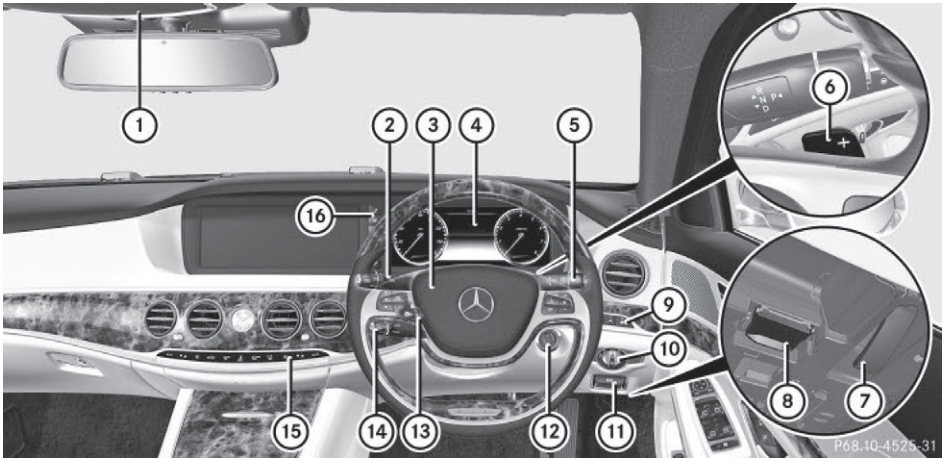
Information on licences for free and open-source software used in your vehicle and its electronic components is available on the following website:
http://www.mercedes-benz.com/opensource

Cockpit



	Function	Page
①	Steering wheel gearshift paddles	187
②	Combination switch	141
③	Horn	
④	Instrument cluster	35
⑤	DIRECT SELECT lever	183
⑥	Overhead control panel	41
⑦	Control panel for: Lowering the rear seat head restraints Extending/retracting the rear roller sunblind PASSENGER AIRBAG indicator lamp Adjusting the brightness of the instrument lighting and the multimedia system display	 125 376 48
⑧	Ignition lock Start/Stop button	175 175

	Function	Page
⑨	Climate control systems	150
⑩	Adjusts the steering wheel Steering wheel heating	130 130
⑪	Cruise control lever	212
⑫	Electric parking brake	206
⑬	Diagnostics connection	30
⑭	Opens the bonnet	393
⑮	Light switch	139
⑯	Control panel for: Activating Steering Assist and Stop&Go Pilot Activating Active Lane Keeping Assist Deactivating PARKTRONIC Activating the 360° camera Activating Night View Assist Switching on the head-up display	 224 256 231 242 250 294

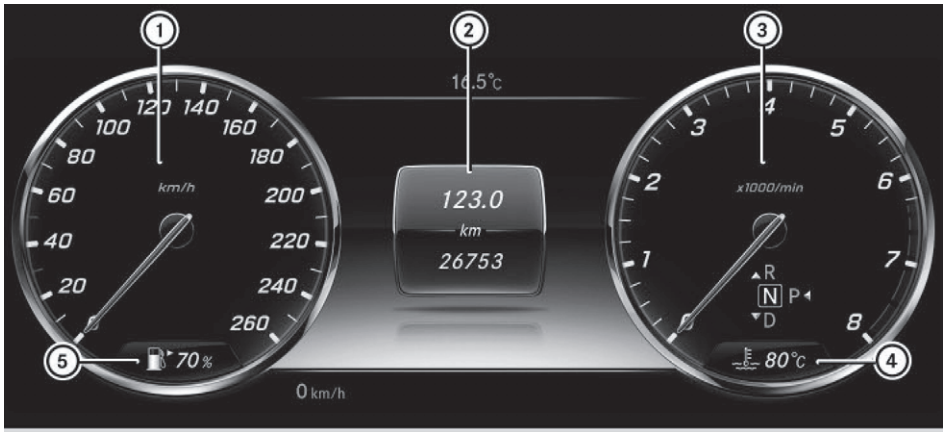


	Function	Page
①	Overhead control panel	41
②	Combination switch	141
③	Horn	
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	Control panel for: Activating Steering Assist and Stop&Go Pilot	224
	Activating Active Lane Keeping Assist	256
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	Activating the 360° camera	242
	Activating Night View Assist	250
	Switching on the head-up display	294

	Function	Page
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⑪	Electric parking brake	206
⑫	Ignition lock	175
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⑭	Cruise control lever	212
⑮	Climate control systems	150
⑯	Control panel for: Lowering the rear seat head restraints	125
	Extending/retracting the rear roller sunblind	376
	PASSENGER AIRBAG indicator lamp	48
	Adjusting the brightness of the instrument lighting and the multimedia system display	

Instrument cluster

Displays



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Instrument cluster with speedometer (km/h)

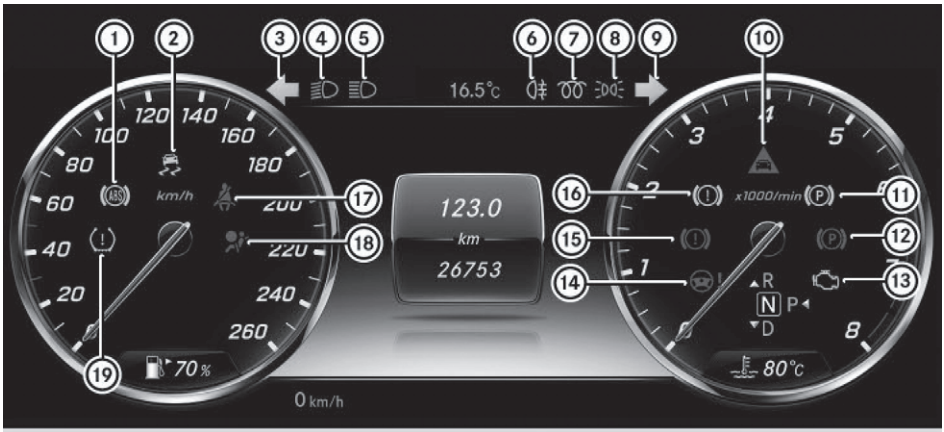
	Function	Page
①	Speedometer	
②	Multifunction display	293
③	Rev counter	291
④	Coolant temperature	292
⑤	Fuel gauge Fuel filler flap location indicator : the fuel filler cap is on the right-hand side.	

Information on displaying the outside temperature in the multifunction display can be found under "Outside temperature display" (▷ page 292).

You can find further information on displays in the instrument cluster under:

- "Hybrid operation" for hybrid vehicles (▷ page 261)
- "PLUG-IN HYBRID operation" for PLUG-IN HYBRID vehicles (▷ page 273)

Warning and indicator lamps



P54.33-3300-31

	Function	Page
①	ABS	355
②	ESP® OFF ESP®	357 357
③	Turn signal, left	141
④	Dipped-beam headlamps	140
⑤	Main-beam headlamps	141
⑥	Rear foglamp	140
⑦	Diesel engine: preglow	177
⑧	Side lamps, licence plate and instrument cluster lighting	140
⑨	Turn signal, right	141

	Function	Page
⑩	Distance warning	362
⑪	Electric parking brake (yellow)	359
⑫	Electric parking brake (red)	359
⑬	Engine diagnostics	359
⑭	Power steering	364
⑮	Brakes (red)	353
⑯	Brakes (yellow)	353
⑰	Seat belt	352
⑱	Restraint system	47
⑲	Tyre pressure monitor	363

Further information on warning and indicator lamps in the instrument cluster can be found under:

- "Hybrid operation" for hybrid vehicles (▷ page 261)
- "PLUG-IN HYBRID operation" for PLUG-IN HYBRID vehicles (▷ page 273)

Multifunction steering wheel



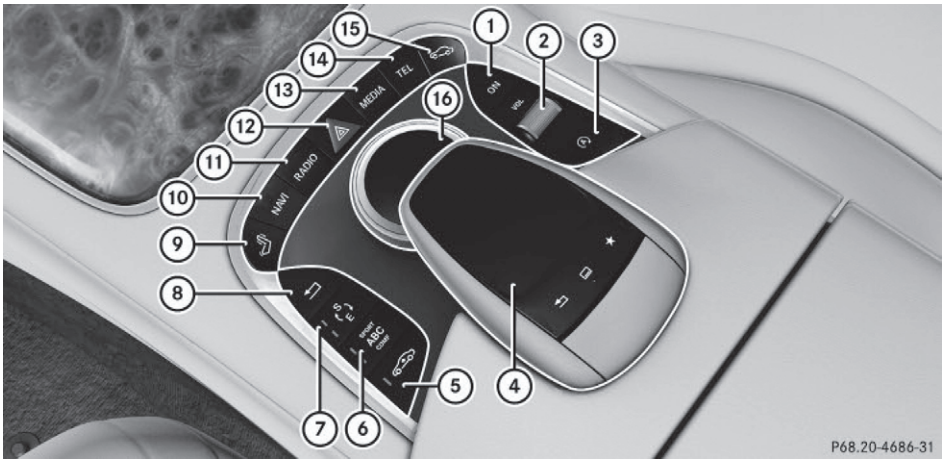
	Function	Page
①	Multifunction display	293
②	Sets the brightness of the instrument cluster and the multimedia system display	291
③	Multimedia system display	
④	DVD changer or single DVD drive	
⑤	Multimedia system controller and buttons	
⑥	Rejects or ends a call Exits the telephone book/redial memory Makes or accepts a call Switches to the redial memory + – Adjusts the volume Mute Switches on LINGUATRONIC	302

	Function	Page
⑦	Opens the menu list ▲ ▼ Selects a menu or submenu or scrolls through lists OK Confirms the selection Hides display messages Back Switches off LINGUATRONIC	292 292 313 292

In vehicles with multimedia system COMAND Online you can find further information:

- on the multimedia system in the Digital Owner's Manual
- on the DVD changer or single DVD drive in the Digital Owner's Manual
- on LINGUATRONIC in the separate operating instructions

Centre console



	Function	Page
①	Switches the multimedia system on or off (see separate operating instructions)	
②	Adjusts/mutes the volume (see the separate operating instructions)	
③	Ⓐ ECO start/stop function	180
	Sets the vehicle level (vehicles with PLUG-IN HYBRID operation)	228, 229
④	Touchpad (see the separate operating instructions)	
	Telephone keypad (see the separate operating instructions)	
⑤	Sets the vehicle level	228
	Selects the operating mode (vehicles with PLUG-IN HYBRID operation)	274
⑥	Adjusts the suspension settings	228, 229

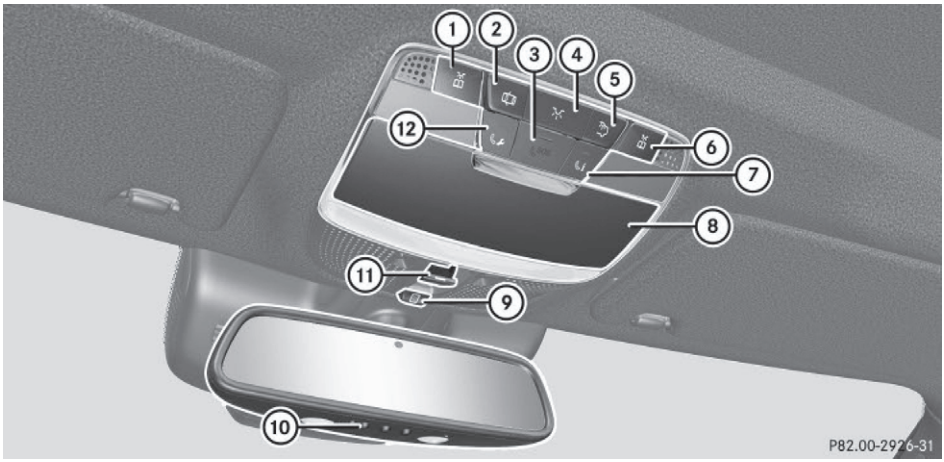
	Function	Page
⑦	Selects the drive program/program selector button	186
	Selects the drive program/program selector button (Mercedes-AMG vehicles)	186
	Selects the drive program/program selector button (vehicles with HYBRID operation)	266
	Selects automatic drive programs E, S and E+ (vehicles with PLUG-IN HYBRID operation)	280
⑧	Back button (see the separate operating instructions)	
⑨	Seat adjustment button (see the separate operating instructions)	
⑩	Navigation button (see the separate operating instructions)	
⑪	Radio button (see the separate operating instructions)	
⑫	Hazard warning lamps	141
⑬	Media button (see the separate operating instructions)	

	Function	Page
⑭	Telephone, address book and Internet button (see separate operating instructions)	
⑮	Vehicle and system settings button (see separate operating instructions)	
⑯	Multimedia system controller (see separate operating instructions)	

ⓘ Information on the ECO start/stop function for vehicles with HYBRID operation can be found in the "HYBRID operation" section (▷ page 268).

ⓘ Information on the ECO start/stop function for vehicles with PLUG_IN HYBRID operation can be found in the "PLUG_IN HYBRID operation" section (▷ page 283).

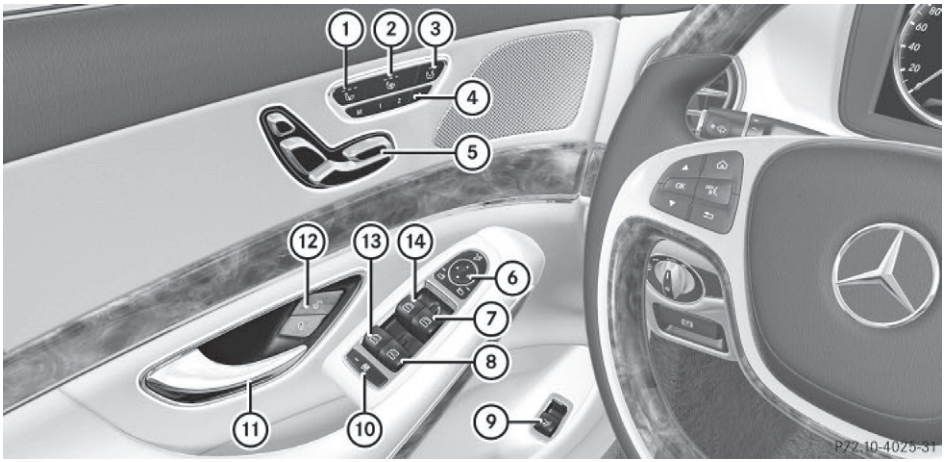
Overhead control panel



	Function	Page
①	Switches the left-hand reading lamp on/off	144
②	Switches the automatic interior lighting control on/off	145
③	SOS button (Mercedes-Benz emergency call system)	382
④	Switches the front interior lighting on/off	145
⑤	Switches the rear interior lighting on/off	145
⑥	Switches the right-hand reading lamp on/off	144
⑦	MB Info call button (Mercedes-Benz Contact)	383

	Function	Page
⑧	Spectacles compartment	366
⑨	Operates MAGIC SKY CONTROL	108
	Opens/closes the rear roller sunblind	108
⑩	Buttons for the garage door opener	385
⑪	Opens/closes the panorama sliding sunroof	106
	Opens/closes the front roller sunblinds	107
⑫	Breakdown assistance call button (Mercedes-Benz Contact)	383

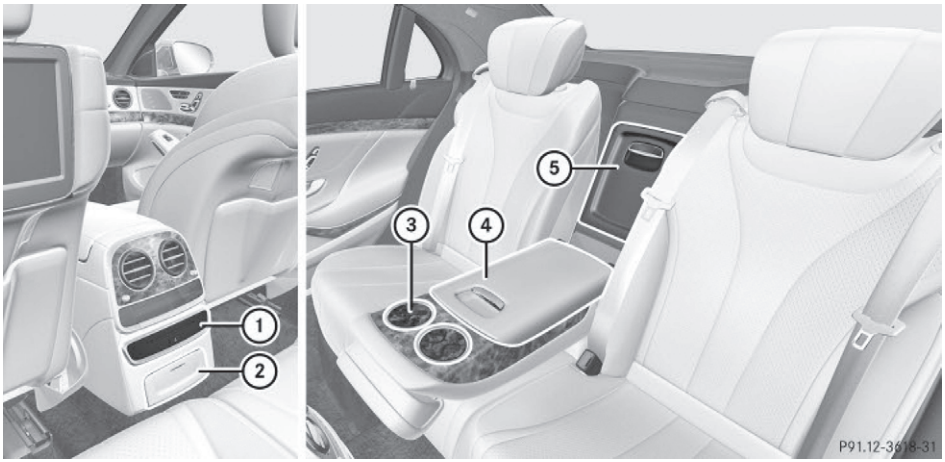
Door control panel



	Function	Page
①	Seat ventilation	129
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③	Adjusts the front-passenger seat from the driver's seat	116
④	M 1 2 3 Stores settings for the seat, exterior mirrors and steering wheel	135
⑤	Adjusts the seats electrically	114
⑥	Adjusts and folds the exterior mirrors in/out electrically	132
⑦	Opens/closes the right side window	102

	Function	Page
⑧	Opens/closes the rear right side window	102
⑨	Opens/closes the boot lid	100
⑩	Override feature for the controls in the rear compartment	74
⑪	Opens the door	93
⑫	Unlocks/locks the vehicle	94
⑬	Opens/closes the rear left side window	102
⑭	Opens/closes the left side window	102

Rear seats



Example: vehicles with Rear Seat Entertainment System

	Function	Page
①	DVD player (see the separate operating instructions)	
②	Cigarette lighter Power socket	377 378
③	Cup holders	374
④	Stowage compartment in the rear seat armrest	368
⑤	Stowage box in the seat backrest Cover for skibag Coolbox	368 369

Useful information

i This Owner's Manual describes all models, series and optional equipment for your vehicle that were available at the time of going to press. National variations are possible. Note that your vehicle may not be equipped with all of the functions described. This is also the case for systems and functions relevant to safety.

i Read the information on qualified specialist workshops: (▷ page 30).

Hybrid vehicles

General notes

Hybrid technology combines a fuel-efficient internal combustion engine with a powerful electric motor.

Important safety notes

Danger of electric shock

⚠ **DANGER**

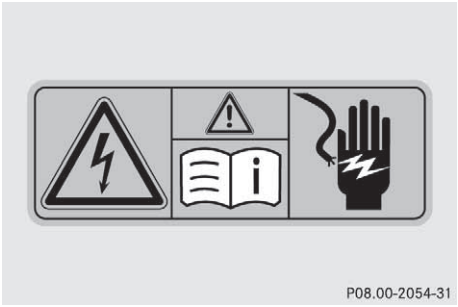
The vehicle's high voltage electrical system is under high voltage. If you modify components in the vehicle's high-voltage electrical system or touch damaged components, you may be electrocuted. The components in the vehicle's high-voltage electrical system may be damaged in an accident, although the damage is not visible. There is a risk of fatal injury.

Do not touch any high-voltage components after an accident and never modify the vehicle's high-voltage electrical system. Have the vehicle towed away after an accident and the vehicle's high-voltage electrical system checked by a qualified specialist workshop.

When towing a vehicle after an accident, be sure to observe the following sections:

- Transporting the vehicle (▷ page 423)
- Towing the vehicle with both axles on the ground (▷ page 422)

Read the safety instructions on towing and towstarting (▷ page 421).



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All components of the hybrid drive system are marked with yellow warning stickers that warn you of the danger of high voltage. The cables of the vehicle's high-voltage electrical system are orange in colour.

The ignition must be switched off when carrying out general tasks, such as topping up the windscreen washer system or checking the coolant level.

Automatic switch-off of the hybrid drive system

If components of the restraint system are activated during an accident, the hybrid drive system is automatically deactivated.

The hybrid drive system is not activated when the vehicle is started if:

- an electrical short circuit is detected in the hybrid drive system
- an electrical connection in the hybrid drive system is disconnected

This ensures that you do not come into contact with high voltage.

Manual switch-off of the hybrid drive system

The hybrid drive system can be deactivated manually using the high voltage switch-off device.

! To prevent damage to the hybrid drive system please observe the following instructions:

- only deactivate the hybrid drive system manually in the following situations.
- work on the hybrid drive system may only be carried out at a qualified specialist workshop, even when it has been deactivated manually.

Deactivate the hybrid system manually if:

- the restraint system warning lamp in the instrument cluster lights up after an accident
- the vehicle is badly damaged, e.g. after an accident, and the restraint system components were not activated
- the vehicle is badly damaged and has to be towed or transported

▶ **If possible, move the vehicle out of the danger zone:** shift the automatic transmission into position **N**.

▶ Release the electric parking brake.

▶ Roll the vehicle to a safe place and park it safely.

Get assistance from others if necessary.

ⓘ The vehicle is locked automatically when the ignition is switched on and the wheels are turning. There is therefore a risk of being locked out if the vehicle is being pushed or tested on a dynamometer.

▶ Switch the ignition off.

▶ Shift the automatic transmission to park position **P** (▷ page 183).

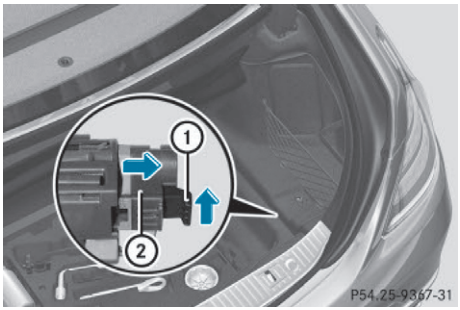
Apply the electric parking brake (▷ page 206).

Secure the vehicle against rolling away (▷ page 437).

▶ **To use the high-voltage switch-off device:** open the boot lid.

▶ Lift the boot floor upwards (▷ page 372).

▶ Pull off the right-hand trim in the boot.



▶ Press release clip ① in the direction of the arrow and pull it out.

▶ Pull high voltage switch-off device ② apart until it engages in the stop position.

If the hybrid drive system has been deactivated due to reasons mentioned above, have it checked at a qualified specialist workshop before reactivation.

High-voltage battery

⚠ WARNING

In the event of a vehicle fire, the internal pressure of the high-voltage battery could exceed a critical value. In this case, flammable gas escapes through a vent valve in the vehicle's underbody. The gas can ignite. There is a risk of injury.

Leave the danger area immediately. Secure the danger area at a suitable distance, whilst observing legal requirements.

⚠ WARNING

If the housing of the high-voltage battery has been damaged, electrolyte and gases may leak out. These are poisonous and caustic. There is a risk of injury.

Avoid contact with the skin, eyes or clothing. Immediately rinse electrolyte splashes off with water and seek medical attention straight away.

❗ Exhaustive discharge caused by the vehicle standing idle for lengthy periods can damage the high-voltage battery.

Hybrid vehicles: if the vehicle is idle for lengthy periods, run it for a few minutes once every six weeks to charge up the high-voltage battery. During the charging process, switch off all electrical consumers, e.g. the automatic climate control or the seat heating.

PLUG-IN HYBRID vehicles: make sure that the high-voltage battery is connected to a charging station during long periods when the vehicle is standing idle.

Hybrid vehicles: information on charging the high-voltage battery when stationary (▷ page 417).

PLUG-IN HYBRID vehicles: charging the high-voltage battery (▷ page 196).

Engine compartment

Before opening the bonnet:

- ▶ Apply the electric parking brake.
- ▶ Shift the automatic transmission to park position **P**.
- ▶ Switch the ignition off.
- ▶ Remove the Start/Stop button from the ignition lock (▷ page 175).

or

- ▶ If the key is inserted in the ignition lock: remove the key from the ignition lock.
- ▶ Observe the warning notes on the risk of electric shock (▷ page 44).
- ▶ Observe the warning notes about the bonnet (▷ page 393).

RBS driving safety system (Recuperative Brake System)

The Recuperative Braking System supports you when braking with an electronically-controlled brake boost mode and enables the recovery of kinetic energy (recuperation).

⚠ WARNING

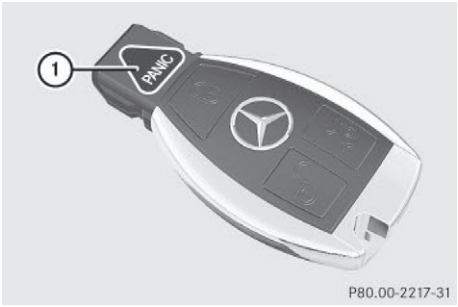
If the Recuperative Braking System malfunctions, braking resistance may be reduced and brake pedal travel may be longer than usual. If you subsequently depress the brake pedal as usual, the braking effect may not be sufficient. There is a risk of an accident.

In the event of a malfunction, depress the brake pedal further. Stop the vehicle in accordance with the traffic conditions. If necessary, consult a qualified specialist workshop.

Hybrid vehicles: further information about the Recuperative Braking System (▷ page 259).

PLUG-IN HYBRID vehicles: further information about the Recuperative Braking System (▷ page 271).

Panic alarm



- ▶ **To prime:** press the PANIC button ① for approximately one second.
  A visual and audible alarm is triggered if the alarm system is primed.
- ▶ **To deactivate:** press the PANIC button ① again.

or

- ▶ Press the Start/Stop button.
  The key must be in the vehicle.

The panic alarm function is only available in certain countries.

Occupant safety

Introduction to the restraint system

The restraint system can reduce the risk of vehicle occupants coming into contact with parts of the vehicle's interior in the event of an accident. Furthermore, the restraint system can also reduce the forces to which vehicle occupants are subjected during an accident.

The restraint system includes:

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

The various components of the restraint system work complementary to one another. They can only perform their intended protective function if all vehicle occupants:

- have correctly fastened their seat belt (▷ page 50)
- have correctly adjusted their seat and head restraint (▷ page 113).

As the driver, you must also ensure that the steering wheel is correctly adjusted. Observe the information relating to the correct driver's seat position (▷ page 112).

Additionally, you must ensure that an airbag can deploy freely (▷ page 52).

The airbag is supplementary to a correctly fastened seat belt. As an additional safety device, the airbag increases the level of protection for vehicle occupants in the event of an accident. If the protection provided by the seat belt is sufficient, the airbags do not deploy. Furthermore, in the event of an accident, only airbags which provide greater protection in the given accident situation deploy. However, seat belts and airbags generally do not protect against objects penetrating the vehicle from the outside.

Information on how the restraint system operates can be found in "Deployment of the seat belt tensioner and airbags" (▷ page 59).

See "Children in the vehicle" for information on infants and children traveling with you in the vehicle restraint systems for infants and children(▷ page 63).

Important safety notes

⚠ WARNING

If the restraint system is modified, it may no longer work as intended. The restraint system may then not perform its intended protective function by failing in an accident or triggering unexpectedly, for example. There is an increased risk of injury, possibly even fatal.

Never modify parts of the restraint system. Do not attempt to modify the wiring as well as electronic components or their software.

If it is necessary to modify an airbag system to accommodate a person with disabilities, contact a Mercedes-Benz Service Centre.

Restraint system warning lamp

The functions of the restraint system are checked after the ignition is switched on and at regular intervals while the engine is running. Therefore, malfunctions can be detected in good time.

The restraint system warning lamp in the instrument cluster lights up when the ignition is switched on. It goes out no later than a few seconds after the vehicle is started. The components of the restraint system are in operational readiness.

A malfunction has occurred if the restraint system warning lamp:

- does not light up after the ignition is switched on
- does not go out after a few seconds with the engine running
- lights up again while the engine is running

All vehicles, except hybrid vehicles:

⚠ WARNING

If the restraint system is malfunctioning, restraint system components may be triggered unintentionally or might not be triggered at all in the event of an accident with a high rate of vehicle deceleration. This can effect belt tensioners or airbags, for example. There is an increased risk of serious or even fatal injuries.

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

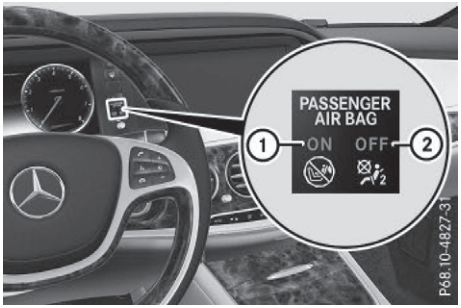
Hybrid vehicles:

⚠ DANGER

If the restraint system is malfunctioning, restraint system components may be triggered unintentionally or might not be triggered at all in the event of an accident with a high rate of vehicle deceleration. This can effect belt tensioners or airbags, for example. In addition, the vehicle's high-voltage electrical system may not be deactivated as intended in the event of an accident. Touching damaged components of the vehicle's high-voltage electrical system could result in an electric shock. There is an increased risk of injury, possibly even fatal.

Have the restraint system checked and repaired immediately at a qualified specialist workshop. After an accident, immediately switch the ignition off and remove the key from the ignition lock.

PASSENGER AIR BAG indicator lamp



PASSENGER AIR BAG ON indicator lamp ① and PASSENGER AIR BAG OFF indicator lamp ② are part of the automatic deactivation system of the front-passenger front airbag.

The indicator lamps display the status of the front-passenger front airbag.

- PASSENGER AIR BAG ON lights up: the front-passenger front airbag is enabled. If, in the event of an accident, all deployment criteria are met, the front-passenger front airbag is deployed.
- PASSENGER AIR BAG OFF lights up: the front-passenger front airbag is disabled. It will then not be deployed in the event of an accident.

Depending on the person in the front-passenger seat, the front-passenger front airbag must either be disabled or enabled; see the following points. You must make sure of this both before and during a journey.

- **Children in a rearward-facing child restraint system:** the PASSENGER AIR BAG OFF indicator lamp must be lit. The front-passenger front airbag is disabled. It is imperative to observe the notes on the "Automatic front-passenger front airbag deactivation system" (▷ page 55) and on "Children in the vehicle" (▷ page 63).
- **Children in a forward-facing child restraint system:** depending on the installed child restraint system and the age and size of the child, the front-passenger front airbag is either disabled or enabled. Therefore, it is imperative to observe the notes on the "Automatic front-passenger front airbag deactivation system" (▷ page 55) and on "Children in the vehicle" (▷ page 63).
- **All other persons:** the PASSENGER AIR BAG ON indicator lamp must be lit. The front-passenger front airbag is enabled. Depending on the build of the person on the front-passenger seat, the PASSENGER AIR BAG OFF indicator lamp may light up. The front-passenger front airbag is disabled. It will then not be deployed in the event of an accident. In this case, the front-passenger seat should not be used.

  It is imperative to observe the notes on the "Automatic front-passenger front airbag deactivation system" (▷ page 55) as well as on "Seat belts" (▷ page 48) and "Airbags" (▷ page 52). There you can also find information on the correct seat position.

Seat belts

Introduction

A correctly worn seat belt is the most effective means of restraining the movement of vehicle occupants in the event of a collision or if the vehicle overturns. This reduces the risk of vehicle occupants coming into contact with parts of the vehicle interior or being ejected from it. The seat belt also helps to keep the vehicle occupants in the best position in relation to the airbag being deployed.

The seat belt system consists of:

- seat belts
- belt tensioners for the front seat belts and the outer seat belts in the rear
- belt force limiters for the front seat belts and the outer seat belts in the rear
- beltbags for the outer seat belts in the rear, depending on the vehicle's equipment

If the seat belt is pulled quickly or sharply from the belt outlet, the inertia reel locks. The belt strap cannot be pulled out any further.

The belt tensioner tightens the seat belt in the event of a collision so that it fits tightly across your body. However, it does not pull the vehicle occupants back in the direction of the seat backrest.

The belt tensioner does not, however, correct an incorrect seat position or correct the routing of a seat belt that is worn incorrectly.

If the seat belt is also fitted with a belt force limiter and this is triggered, the force exerted by the seat belt on the vehicle occupant is reduced.

The belt force limiters on the front seats are synchronised with the front airbags, which take on a part of the deceleration force. This can

reduce the forces to which the vehicle occupants are subjected during an accident.

! If the co-driver's seat is not occupied, do not engage the seat belt tongue in the buckle on the co-driver's seat. Otherwise, the belt tensioner could be triggered in the event of an accident and would have to be replaced.

Important safety notes

⚠ WARNING

The seat belt cannot perform its intended protective function if it is not fastened correctly. Also, an improperly fastened seat belt can cause additional injuries in the event of an accident, sudden braking or abrupt changes of direction. There is an increased risk of injury, possibly even fatal.

Always make sure that all vehicle occupants are wearing their seat belt properly and are seated correctly.

⚠ WARNING

The seat belt does not offer the intended level of protection if you have not moved the backrest to an almost vertical position. When braking or in the event of an accident, you could slide underneath the seat belt and sustain abdomen or neck injuries, for example. This poses an increased risk of injury or even fatal injury.

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

⚠ WARNING

Objects next to the front seat that block the belt buckle or the moving belt anchorage on the front seat impair the function of the belt tensioners. The belt tensioners may not function as intended and the seat belt may no longer provide the intended protection. This poses an increased risk of injury or even fatal injury.

Before starting the journey, make sure that there are no objects around the belt buckle or between the front seat and door.

⚠ WARNING

Persons under 1.50 m tall cannot wear the seat belts correctly without a suitable, additional restraint system. The seat belt cannot perform its intended protective function if it is not fastened correctly. Also, an improperly fastened seat belt can cause additional injuries in the event of an accident, sudden braking or abrupt changes of direction. There is an increased risk of injury, possibly even fatal.

Secure persons less than 1.50 m tall in a suitable restraint system.

If a child younger than twelve years old and under 1.50 m in height is travelling in the vehicle:

- 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.
- always observe the instructions and safety notes on beltbags for the outer seat belts in the rear. (▷ page 50)
- always observe the instructions and safety notes on the "Automatic front-passenger front airbag deactivation system". (▷ page 55)
- always observe the instructions and safety notes on "Children in the vehicle" (▷ page 63) in addition to the child restraint system manufacturer's installation and operating instructions.

⚠ WARNING

Seat belts cannot protect as intended, if:

- they are damaged, have been modified, are extremely dirty, bleached or dyed
- the seat belt buckle is damaged or extremely dirty
- modifications have been made to the belt tensioners, belt anchorages or inertia reels

Seat belts may sustain non-visible damage in an accident, e.g. due to glass splinters. Modified or damaged seat belts can tear or fail, for

example in the event of an accident. Modified seat belt tensioners may be deployed unintentionally or fail to be deployed when required. There is an increased risk of injury, possibly even fatal.

Never modify safety belts, seat belt tensioners, seat belt anchorages and inertia reels. Ensure that seat belts are not damaged or worn and are clean. After an accident, have the seat belts checked immediately at a qualified specialist workshop.

Mercedes-Benz recommends that you only use seat belts which have been approved specifically for your vehicle by Mercedes-Benz. Otherwise, your vehicle's general operating permit could be invalidated.

Correct seat belt use

Pay attention to the safety notes about the seat belt (▷ page 49).

All vehicle occupants must fasten their seat belts correctly before you start driving. You must also make sure that all vehicle occupants have fastened their seat belts correctly during the journey.

When fastening your seat belt, always make sure that:

- the seat belt tongue is inserted into the belt buckle that belongs to the seat.
- the seat belt is tightened across your body.

  Avoid wearing bulky clothing, e.g. a winter coat.
- the seat belt is not twisted.

  Only then can the forces which occur be distributed over the area of the belt.
- the shoulder section of the belt is routed across the centre of your shoulder.

  The shoulder section of the belt must not come into contact with your neck or be routed under your arm. Where possible, adjust the seat belt to the appropriate height.
- The lap belt must be taut and as low as possible over your lap.

  The lap belt must always be routed across your hip joints and not across your abdomen. Pregnant women must take particular care with this. If necessary, push the lap belt down to your hip joint and pull it tight using the shoulder section of the belt.
- The seat belt is not routed over sharp, pointed or fragile objects.

  If such objects are located on or in your clothing, e.g. pens, keys, spectacles, etc. stow these in a suitable location.
- Only one person should use each seat belt at any one time.

  Babies and children must never travel sitting on the lap of another vehicle occupant. In the event of an accident, they could be crushed between the vehicle occupant and seat belt.
- Do not secure any objects with a seat belt if the seat belt is being used by one of the vehicle's occupants.

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

Seat belts are solely intended to secure and restrain persons. To secure objects, luggage or loads, always observe the "Loading guidelines" (▷ page 365).

Rear beltbags

ⓘ Observe the "Important safety notes" section (▷ page 52).

Depending on the vehicle's equipment, the outer rear seat belts are equipped with a beltbag. This can be seen from the BELTBAG identification on the rear seat belt.

⚠ WARNING

In an accident, the belt bag may damage a non-approved child restraint system. As a result, the child restraint system may not be able to provide the intended level of protection. This poses an increased risk of injury or even fatal injury.

For safety reasons, Mercedes-Benz recommends that you only use a child restraint system which has been tested and approved by Mercedes-Benz in combination with a belt bag.

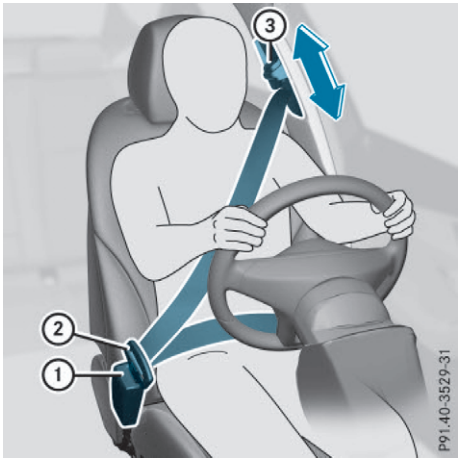
Further information on child restraint systems (▷ page 63).



When triggered, beltbags ① open, increasing the protected area of the occupants' ribcages. The beltbags are triggered depending on the type and severity of the accident.

Fastening and adjusting the seat belts

Observe the safety notes on seat belts (▷ page 49) and the notes on the correct use of the seat belt (▷ page 50).



Basic diagram

- ▶ Adjust the seat (▷ page 112).
  The seat backrest must be in an almost vertical position.
- ▶ Pull the seat belt out smoothly from belt outlet.
  If necessary, the seat belt on the driver's seat and front-passenger seat are tightened automatically, see "Belt adjustment" (▷ page 52).
- ▶ If necessary, pull upwards on the shoulder section of the seat belt to tighten the belt across your body.

The shoulder section of the belt must always be routed across the centre of the shoulder. If necessary, adjust the belt outlet.

- ▶ **To raise:** slide the belt outlet upwards.
  The belt outlet engages in a number of different positions.
- ▶ **To lower:** slide belt outlet downwards while pressing belt outlet release ③.
- ▶ Let go of belt outlet release ③ in the desired position and make sure that the belt outlet engages.

Rear seat belt buckle extenders

The seat belt extender is an integral part of the PRE-SAFE® convenience function. It is used on the outer rear seats.

Always ensure that it is possible to move the belt buckle freely. Always stow objects in the vehicle correctly.

To assist you in finding the seat belt buckle and fastening the seat belt:

- the belt buckle moves forwards to a convenient position
- the belt buckle is illuminated

After the seat belt is fastened, the belt buckle returns to its normal position. The seat belt then lies tight across the lap and thorax areas.

Incorporation into the PRE-SAFE®system: the belt buckle is lowered quickly in certain hazardous situations. This pre-tensions the seat belt.

Incorporation into the automatic measures after the accident: in this situation, the belt buckle is illuminated and extended after a rear door is opened.

Releasing the seat belts

! Make sure that the seat belt is fully rolled up. Otherwise, the seat belt or belt tongue will be trapped in the door or in the seat mechanism. This could damage the door, the door trim panel and the seat belt. Damaged seat belts can no longer fulfil their protective function and must be replaced. Visit a qualified specialist workshop.

- ▶ Press release button in belt buckle, hold belt tongue firmly and guide the seat belt back.

Seat belt adjustment

The seat-belt adjustment is an integral part of the PRE-SAFE® convenience function. This function adjusts the driver's and front-passenger seat belt to the upper body of the occupants.

The belt strap is tightened slightly when:

- the seat belt tongue is engaged in the belt buckle and
- the ignition is switched on

The seat-belt adjustment will apply a certain tightening force if any slack is detected between the vehicle occupant and the seat belt. Do not hold on to the seat belt tightly while it is adjusting.

You can switch the seat-belt adjustment on and off using the multimedia system. Information on activating and deactivating the seat-belt adjustment function can be found in the Digital Owner's Manual.

Belt warning for the driver and front passenger

The seat belt warning lamp in the instrument cluster is a reminder for all vehicle occupants to fasten their seat belts. It may light up continuously or flash. In addition, a warning tone may sound.

The seat belt warning lamp goes out and the warning tone switches off, as soon as the driver and front-passenger have fastened their seat belts.

Rear seat belt status indicator



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

The rear seat belt status indicator shows which rear seat belt is not fastened.

Hiding the rear seat belt status indicator immediately (▷ page 313).

Airbags

Introduction

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

An airbag supplements a correctly worn seat belt. It is not a replacement for the seat belt. The airbag offers additional protection in corresponding accident situations.

Not all airbags are deployed in an accident. The different airbag systems work independently of each other (▷ page 59).

However, no system available today can completely eliminate injuries and fatalities.

It is also not possible to completely rule out a risk of injury caused by an airbag due to the speed at which the airbag must be deployed.

Important safety notes

⚠ WARNING

If you deviate from the correct seat position, the airbag cannot perform its intended protective function and can even cause additional injuries when deployed. There is an increased risk of serious or even fatal injuries.

In order to avoid such risks, always ensure that all vehicle occupants:

- fasten their seatbelts correctly, including pregnant women
- are seated correctly and maintain the furthest possible distance from the airbags
- observe the following notes

Always ensure that there are no objects located between the airbag and the vehicle occupant.

- Adjust the seats properly before beginning your journey. Always make sure that the seat is in an almost upright position. The centre of the head restraint must support the head at about eye level.
- Move the driver's and front-passenger seats as far back as possible. The driver's seat position must allow the vehicle to be driven safely.
- Only hold the steering wheel on the outside. This allows the airbag to be fully deployed.
- Always lean against the backrest while driving. Do not lean forwards or lean against the

door or side window. You may otherwise be in the deployment area of the airbags.
- Always keep your feet in the footwell in front of the seat. Do not put your feet on the dashboard, for example. Your feet may otherwise be in the deployment area of the airbag.
- Always secure persons less than 1.50 m tall in suitable restraint systems. Up to this height, the seat belt cannot be worn correctly.

If a child is travelling in your vehicle, also observe the following notes:

- Always secure children under twelve years of age and less than 1.50 m tall in suitable child restraint systems.
- Child restraint systems should be fitted to the rear seats.
- Only secure a child to the front-passenger seat when the front-passenger front airbag is disabled, and only then in a rearward-facing child restraint system. If the PASSENGER AIR BAG OFF indicator lamp is permanently lit, the front-passenger front airbag is disabled (▷ page 48).
- Always observe the instructions and safety notes on the "Automatic front-passenger front airbag deactivation system" (▷ page 55) and on "Children in the vehicle" (▷ page 63) in addition to the child restraint system manufacturer's installation and operating instructions.

Objects in the vehicle interior may prevent the airbag from functioning correctly. Before starting your journey and to avoid risks resulting from the speed of the airbag as it deploys, make sure that:

- there are no people, animals or objects between the vehicle occupants and an airbag.
- there are no objects between the seat, door and B-pillar.
- no hard objects, e.g. coat hangers, are hanging on the grab handles or coat hooks.
- no accessories, such as cup holders, are attached to the vehicle within the deployment area of an airbag, e.g. to doors, side windows, rear side trim or side walls.
- no heavy, sharp-edged or fragile objects are in the pockets of your clothing. Store such objects in a suitable place.

⚠ WARNING

If you modify an airbag cover or affix objects such as stickers to it, the airbag can no longer function correctly. There is an increased risk of injury.

Never modify an airbag cover or affix objects to it.

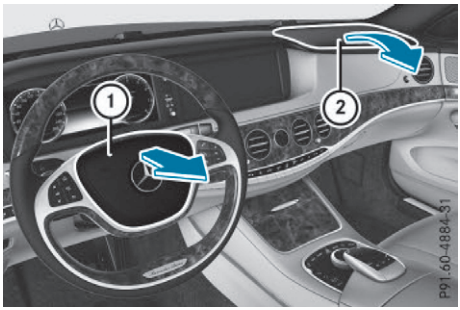
⚠ WARNING

Sensors to control the airbags are located in the doors. Modifications or work not performed correctly to the doors or door panelling, as well as damaged doors, can lead to the function of the sensors being impaired. The airbags might therefore not function properly any more. Consequently, the airbags cannot protect vehicle occupants as they are designed to do. This poses an increased risk of injury.

Never modify the doors or parts of the doors. Always have work on the doors or door panelling carried out at a qualified specialist workshop.

Front airbags

! Do not place heavy objects on the front-passenger seat. This could cause the system to identify the seat as being occupied. In the event of an accident, the restraint systems on the front-passenger side may be triggered and have to be replaced.



Driver's airbag ① deploys in front of the steering wheel. Front-passenger front airbag ② deploys in front of and above the glove compartment.

When deployed, the front airbags offer additional head and thorax protection for the occupants in the front seats.

The PASSENGER AIR BAG OFF and PASSENGER AIR BAG ON indicator lamps inform you about

the status of the front-passenger front airbag (▷ page 48).

The front-passenger front airbag will only deploy if:

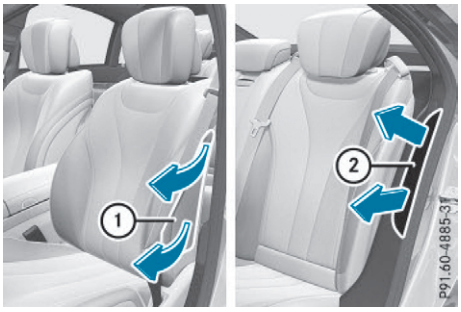
- the automatic front-passenger front airbag deactivation system has detected that the front-passenger seat is occupied (▷ page 55). The PASSENGER AIR BAG ON indicator lamp is lit (▷ page 55)
- the restraint system control unit predicts a high accident severity

Sidebags

⚠ WARNING

Unsuitable seat covers can obstruct or prevent the deployment of the airbags integrated into the seats. Consequently, the airbags cannot protect vehicle occupants as they are designed to do. In addition, the function of the automatic front-passenger front airbag deactivation system could be restricted. This poses an increased risk of injury or even fatal injury.

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



Front sidebags ① and rear sidebags ② deploy next to the outer bolster of the seat backrest.

When deployed, the sidebag offers additional thorax protection. It also offers additional pelvis protection for occupants in the front seats. However, it does not protect the:

- head
- neck
- arms

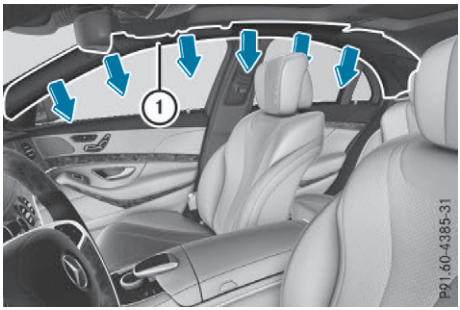
In the event of a side impact, the sidebag is deployed on the side on which the impact occurs.

Vehicles with the automatic front-passenger airbag deactivation system: the sidebag on the front-passenger side deploys under the following conditions:

- an occupant is detected on the front-passenger seat or
- the belt tongue is engaged in the belt buckle of the front-passenger seat

If the belt tongue is engaged in the belt buckle, the sidebag on the front-passenger side deploys if an appropriate accident situation occurs. In this case, deployment is independent of whether the front-passenger seat is occupied or not.

Windowbags



Windowbags ① are integrated into the side of the roof frame and deploy in the area from the A-pillar to the C-pillar.

When deployed, the windowbag enhances the level of protection for the head. However, it does not protect the chest or arms.

In the event of a side impact, the windowbag is deployed on the side which the impact occurs.

If the system determines that they can offer additional protection to that provided by the seat belt, a windowbag may be deployed in other accident situations (▷ page 59).

Cushion airbags

ⓘ Observe the "Important safety notes" section (▷ page 52).

The rear reclining seat is equipped with a cushion airbag. If the seat backrest is reclined, the cushion airbag can provide additional occupant

protection in the event of frontal collision situations. When triggered, the cushion airbag deploys under the seat cushion. This helps prevent the occupant from slipping off the seat cushion.

⚠ WARNING

If a child restraint system is installed and the seat backrest is reclined too far backwards, the cushion airbag may deploy by mistake in the event of an accident. This poses an increased risk of injury.

When using a child restraint system, always ensure that the seat is correctly adjusted and that the backrest is almost vertical.

If you install a child restraint system on the rear reclining seat, always observe

- the instructions and safety notes in "Children in the vehicle" (▷ page 63)
- the child restraint system manufacturer's installation instructions

Automatic front-passenger front airbag deactivation

Introduction

In order to recognise a child restraint system on the front-passenger seat, the automatic front-passenger front airbag deactivation system categorises the person in the front-passenger seat. Depending on that result, the front-passenger front airbag is either enabled or disabled. If a rearward-facing child restraint system is fitted to the front-passenger seat, the PASSENGER AIR BAG OFF indicator lamp must light up after the system self-test and remain lit. The front-passenger front airbag is disabled.

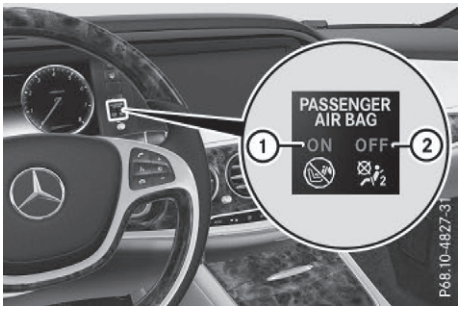
The system does not disable:

- the sidebag
- the windowbag
- the seat belt tensioner

Make sure that your vehicle is equipped with the automatic front-passenger front airbag deactivation system (▷ page 66). If this is not the case, always install a child restraint system on a suitable rear seat (▷ page 68).

If it is absolutely necessary to install a child restraint system on the front-passenger seat, be sure to observe the correct positioning of the child restraint system. Never place objects under or behind the child restraint system, e.g. a cushion. Fully retract the seat cushion length. The entire base of the child restraint system must always rest on the seat cushion of the front-passenger seat. The backrest of the forward-facing child restraint system must, as far as possible, be resting on the backrest of the front-passenger seat. The child restraint system must not touch the roof or be put under strain by the head restraint. Adjust the angle of the seat backrest and the head restraint position accordingly. Only then is the correct function of the automatic front-passenger front airbag deactivation system guaranteed. Always observe the information on suitable positioning of the child restraint system (▷ page 68) in addition to the child restraint system manufacturer's installation instructions.

Operation of automatic front-passenger front airbag deactivation



① PASSENGER AIR BAG ON indicator lamp
② PASSENGER AIR BAG OFF indicator lamp

The indicator lamps inform you whether the front-passenger front airbag is disabled or enabled.

▶ Press the Start/Stop button once or twice, or turn the key to position **1** or **2** in the ignition lock.
The system carries out a self-diagnosis.

The PASSENGER AIR BAG OFF and PASSENGER AIR BAG ON indicator lamps must light up simultaneously for approximately six seconds.

The indicator lamps display the status of the front-passenger front airbag:

- PASSENGER AIR BAG ON lights up: the front-passenger front airbag is enabled. If, in the event of an accident, all deployment criteria

are met, the front-passenger front airbag is deployed.
- PASSENGER AIR BAG OFF lights up: the front-passenger front airbag is disabled. It will then not be deployed in the event of an accident.

If the status of the front-passenger front airbag changes while the vehicle is in motion, an airbag display message appears in the instrument cluster (▷ page 326). When the front-passenger seat is occupied, always pay attention to the PASSENGER AIR BAG ON and PASSENGER AIR BAG OFF indicator lamps. Be aware of the status of the front-passenger front airbag both before and during the journey.

If a person sits in the passenger seat, they must be:

- seated with the seat belt fastened correctly
- in an almost upright position with their back against the seat backrest
- with their feet resting on the floor, if possible

If the front passenger does not observe these conditions, the automatic front-passenger front airbag deactivation system may be influenced, e.g. because the front passenger:

- transfers their weight by supporting themselves on a vehicle armrest
- sits in such a way that their weight is raised from the seat cushion

The front-passenger front airbag may be disabled by mistake as a result of these or similar actions. In this case, the PASSENGER AIR BAG OFF indicator lamp lights up permanently. The front-passenger front airbag does not then deploy during an accident.

⚠ WARNING

If the PASSENGER AIRBAG OFF indicator lamp is lit, the front-passenger front 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's interior, especially if the person is sitting too close to the dashboard. This poses an increased risk of injury or even fatal injury.

When the front-passenger seat is occupied, always make sure that:

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

Make sure, both before and during the journey, that the status of the front-passenger front airbag is correct.

⚠ WARNING

If you secure a child on the co-driver's seat in a rearward-facing child restraint system and the PASSENGER AIR BAG ON indicator lamp lights up, the co-driver's airbag could be deployed in the event of an accident. The child could be struck by the airbag. There is an increased risk of injury, possibly even fatal.

In this case, always ensure that the co-driver's airbag is disabled. The PASSENGER AIRBAG OFF indicator lamp must light up.

If the PASSENGER AIR BAG OFF indicator lamp remains off and/or the PASSENGER AIR BAG ON indicator lamp lights up, do not install a rearward-facing child restraint system on the front-passenger seat. Further information can be found under "Problems with the automatic front-passenger front airbag deactivation system" (▷ page 58).

⚠ WARNING

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

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

This poses an increased risk of injury or even fatal injury.

Always move the front-passenger seat as far back as possible and fully retract the seat cushion length. Always make sure that the

shoulder belt strap is correctly routed from the vehicle belt outlet to the shoulder belt guide on the child restraint system. The shoulder belt strap must be routed forwards and downwards from the vehicle belt outlet. If necessary, adjust the vehicle belt outlet and the front-passenger seat accordingly. Always observe the information about suitable positioning of the child restraint system in this Owner's Manual as well as the child restraint system manufacturer's installation instructions.

If the automatic front-passenger front airbag deactivation system detects that:

- the front-passenger seat is unoccupied, the PASSENGER AIR BAG OFF indicator lamp lights up after the system self-test and remains lit. This indicates that the front-passenger front airbag is disabled.
- the front-passenger seat is occupied by a child in a rearward-facing child restraint system, the PASSENGER AIR BAG OFF indicator lamp lights up after the system self-test and remains lit. This indicates that the front-passenger front airbag is disabled.

  But in the case of a child in a rearward-facing child restraint, the PASSENGER AIR BAG ON indicator lamp can light up after the system self-test and remain lit. This indicates that the front-passenger front airbag is enabled. The result of the classification is dependent on, among other factors, the child restraint system and the child's build. It is recommended that you fit the child restraint system to a suitable rear seat.
- the front-passenger seat is occupied by a child in a forward-facing child restraint system, either the PASSENGER AIR BAG ON or PASSENGER AIR BAG OFF indicator lamp lights up and remains lit after the system self-test depending on the result of the classification. The result of the classification is dependent on, among other factors, the child restraint system and the child's build.

  Move the front-passenger seat as far back as possible. Always observe the information in "Child restraint systems on the front-passenger seat" (▷ page 66) and in "Suitable positioning of the child restraint system" (▷ page 68). Alternatively, you can fit the child restraint system to a suitable rear seat.
- the front-passenger seat is occupied by a person with a smaller build (e.g. a teenager or small adult), either the PASSENGER AIR BAG ON or PASSENGER AIR BAG OFF indicator lamp lights up and remains lit after the system self-test depending on the result of the classification.
  - if the PASSENGER AIR BAG ON indicator lamp lights up, move the front-passenger seat as far back as possible. Alternatively, a person with a small build can sit on a rear seat.
  - if the PASSENGER AIR BAG OFF indicator lamp is lit, a person with a smaller build should not use the front-passenger seat.
- the front-passenger seat is occupied by an adult or a person with a build corresponding to that of an adult, the PASSENGER AIR BAG ON indicator lamp lights up after the system self-test and remains lit. This indicates that the front-passenger front airbag is enabled.

If children are travelling in the vehicle, be sure to observe the notes on "Children in the vehicle" (▷ page 63).

If the automatic front-passenger front airbag deactivation system is malfunctioning, the red restraint system warning lamp in the instrument cluster and the PASSENGER AIR BAG OFF indicator lamp light up simultaneously. The front-passenger front airbag is disabled in this case and does not deploy during an accident. Have the system checked as soon as possible by qualified technicians. Consult a Mercedes-Benz Service Centre. The front-passenger seat should only be repaired at a Mercedes-Benz Service Centre.

If the front-passenger seat, the seat cover or the seat cushion is damaged, have the necessary repair work carried out at a Mercedes-Benz Service Centre.

For safety reasons, Mercedes-Benz recommends that you only use a child restraint system which has been tested and approved by Mercedes-Benz in combination with the automatic front-passenger front airbag deactivation system.

System self-test

⚠ DANGER

If both the PASSENGER AIR BAG OFF and PASSENGER AIR BAG ON indicator lamps do not light up during the system self-test, the

system is malfunctioning. The front-passenger front airbag might be triggered unintentionally or might not be triggered at all in the event of an accident with high deceleration. This poses an increased risk of injury or even fatal injury.

In this case the front-passenger seat may not be used. Do not install a child restraint system on the front-passenger seat. Have the automatic front-passenger front airbag deactivation system checked and repaired immediately at a qualified specialist workshop.

⚠ WARNING

If the PASSENGER AIRBAG OFF indicator lamp remains lit after the system self-test, the front-passenger front airbag is disabled. It will not be deployed in the event of an accident. In this case, the front-passenger front airbag cannot perform its intended protective function, e.g. when a person is seated in the front-passenger seat.

That person could, for example, come into contact with the vehicle's interior, especially if the person is sitting too close to the dashboard. This poses an increased risk of injury or even fatal injury.

When 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 front 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.

If the PASSENGER AIR BAG OFF indicator lamp remains lit when it should not, the front-passenger seat may not be used. Do not install a child restraint system on the front-passenger seat. Have the automatic front-passenger front airbag deactivation system checked and repaired immediately at a qualified specialist workshop.

⚠ WARNING

Objects between the seat surface and the child restraint system could affect the function of the automatic front-passenger front airbag deactivation system. This could result in the front-passenger front airbag not functioning as intended during an accident. This poses an increased risk of injury or even fatal injury.

Do not place any objects between the seat surface and the child restraint system. The entire base of the child restraint system must always rest on the seat cushion of the front-passenger seat. The backrest of the forwards-facing child restraint system must, as far as possible, be resting on the backrest of the rear reclining seat. Always comply with the child restraint system manufacturer's installation instructions.

After the system self-test, the PASSENGER AIR BAG OFF or PASSENGER AIR BAG ON indicator lamp displays the status of the front-passenger front airbag (▷ page 55).

Further information can be found under "Problems with the automatic front-passenger front airbag deactivation system" (▷ page 58).

Problems with automatic front-passenger front airbag deactivation

Be sure to observe the notes on "System self-test" (▷ page 57).

Problem	Possible causes/consequences and ▶ Solutions
The PASSENGER AIR BAG OFF indicator lamp lights up and remains lit, even though the front-passenger seat is occupied by an adult or a person with a build corresponding to that of an adult.	The classification of the person on the front-passenger seat is false. ▶ Make sure the conditions for a correct classification of the person on the front-passenger seat are met (▷ page 55). ▶ If the PASSENGER AIR BAG OFF indicator lamp remains lit, the front-passenger seat may not be used. ▶ Have the automatic front-passenger front airbag deactivation system checked as soon as possible at a Mercedes-Benz Service Centre.
The PASSENGER AIR BAG OFF indicator lamp does not light up and/or does not stay on. The front-passenger seat is: • empty • occupied with a rearward-facing child restraint system	The automatic front-passenger front airbag deactivation system is malfunctioning. ▶ Make sure there is nothing between the seat and the child restraint system. ▶ Make sure that the entire base of the child restraint system rests on the seat cushion of the front-passenger seat. ▶ Make sure that the seat cushion length is fully retracted. ▶ When installing the child restraint system, make sure that the seat belt is tight. Do not pull the seat belt tight with the front-passenger seat adjustment. This could result in the seat belt and the child restraint system being pulled too tightly. ▶ Check that the child restraint system is installed correctly. ▶ Make sure that no objects are applying additional weight to the seat. ▶ If the PASSENGER AIR BAG OFF indicator lamp remains off and/or the PASSENGER AIR BAG ON indicator lamp lights up, do not install a rearward-facing child restraint system on the front-passenger seat. It is recommended that you fit the child restraint system to a suitable rear seat. ▶ Have the automatic front-passenger front airbag deactivation system checked as soon as possible at a Mercedes-Benz Service Centre.

Deployment of belt tensioners and airbags

Important safety notes

⚠ WARNING

After the airbag deploys, the airbag parts are hot. There is a risk of injury.

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

⚠ WARNING

Pyrotechnic seat belt tensioners that have been deployed are no longer operational and are unable to perform their intended protective function. This poses an increased risk of injury or even fatal injury.

Therefore, have pyrotechnic belt tensioners which have been triggered immediately replaced at a qualified specialist workshop.

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 was triggered or an airbag was deployed.

An electric motor is used by PRE-SAFE® to trigger the tightening of the seat belt in hazardous situations. This procedure is reversible.

If the 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 restraint system warning lamp lights up. Only in rare cases will the bang 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, you should leave the vehicle immediately or open the window in order to prevent breathing difficulties.

Operation

During the first stage of a collision, the restraint system control unit evaluates important physical data relating to vehicle deceleration or acceleration, such as:

- duration
- direction
- intensity

Based on the evaluation of this data, the restraint system control unit triggers the seat belt tensioners in the event of a head-on or rear collision.

A seat belt tensioner can only be triggered if:

- the ignition is switched on
- the components of the restraint system are operational. You can find further information under: "Restraint system warning lamp" (▷ page 47)
- the belt tongue has engaged in the belt buckle of the respective front seat

The seat belt tensioners in the rear compartment are triggered independently of the lock status of the seat belts.

Vehicles with belt bags: the belt bags are also deployed depending on the type and severity of the accident.

Vehicles with a rear reclining seat: the seat belt tensioner is only triggered if the belt buckle tongue is engaged in the belt buckle.

If the seat backrest is reclined, the cushion airbag is also deployed depending on the type and severity of the accident.

If the restraint system control unit detects a high severity accident, in certain head-on collisions, additional components of the restraint system are deployed independently of each other:

- front airbags
- windowbag, if the system determines that deployment can offer additional protection to that provided by the seat belt

On vehicles with the automatic front-passenger front airbag deactivation system: depending on the person in the front-passenger seat, the front-passenger front airbag is either disabled or enabled. The front-passenger front airbag can only be deployed in an accident if the PASSENGER AIR BAG ON indicator lamp is lit. Observe the information on the PASSENGER AIR BAG indicator lamps (▷ page 48).

Your vehicle has two-stage front airbags. In the first deployment stage, the front airbag is filled with propellant gas to reduce the risk of injuries. The front airbag is fully deployed if the second deployment stage is activated within a few milliseconds.

The activation threshold for the seat belt tensioners and airbags is determined based on the evaluation of the vehicle's rate of deceleration or acceleration at various points in the vehicle. This process is pre-emptive in nature. The triggering/deployment process should take place in good time at the start of the collision.

The rate of vehicle deceleration or acceleration and the direction of the force are essentially determined by:

- the distribution of forces during the collision
- the collision angle
- the deformation characteristics of the vehicle
- the characteristics of the object with which the vehicle has collided

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 deceleration is not high. Conversely, an airbag may be deployed even though the vehicle suffers only minor deformation. This is the case if, for example, very rigid vehicle parts such as longitudinal body members are hit, and sufficient deceleration occurs as a result.

If the restraint system control unit detects a side impact or if the vehicle overturns, the applicable

components of the restraint system are activated independently of each other depending on the apparent type of accident.

- Sidebags on the side on which an impact occurs, independent from the seat belt tensioner and seat belt usage

  Vehicles with the automatic front-passenger airbag deactivation system: the sidebag on the front-passenger side deploys under the following conditions:
  - an occupant is detected on the front-passenger seat or
  - the belt tongue is engaged in the belt buckle of the front-passenger seat
- Windowbag on the side on which an impact occurs, independent of seat belt usage and regardless of whether the front-passenger seat is occupied
- Seat belt tensioners, if the system determines that deployment can offer additional protection for the vehicle occupants in this situation
- Windowbags on the driver's and front-passenger side in certain situations if the vehicle overturns and if the system determines that deployment can offer additional protection to that provided by the seat belt

ⓘ Not all airbags are deployed in an accident. The different airbag systems work independently of each other.

How the airbag system works is determined by the severity of the accident detected, especially the vehicle deceleration or acceleration, and the apparent type of accident:

- frontal collision
- side impact
- overturn

PRE-SAFE® (anticipatory occupant protection)

Introduction

In certain hazardous situations, PRE-SAFE® takes pre-emptive measures to protect the vehicle occupants.

Important safety notes

! Make sure that there are no objects in the footwell or behind the seats. There is a risk that the seats and/or the objects could be damaged when PRE-SAFE® is activated.

Although your vehicle is equipped with a PRE-SAFE® system, the possibility of injury in the event of an accident cannot be ruled out. Always adapt your driving style to suit the prevailing road and weather conditions and maintain a safe distance from the vehicle in front. Drive carefully.

Function

PRE-SAFE® intervenes:

- in emergency braking situations, e.g. when BAS is activated
- in critical driving situations, e.g. when physical limits are exceeded and the vehicle understeers or oversteers severely
- vehicles with the Driving Assistance package: when a driver assistance system intervenes powerfully or the radar sensor system detects an imminent danger of collision in certain situations

PRE-SAFE® takes the following measures depending on the hazardous situation detected:

- the front seat belts are pre-tensioned.
- if the vehicle skids, the side windows and the panorama sliding sunroof are closed.
- the front-passenger seat is adjusted if it is in an unfavourable position.
- for vehicles with electrically adjustable rear seats: the outer rear seats are adjusted if they are in an unfavourable position.
- vehicles with a multicontour seat: the air pressure in the side bolsters of the backrest is increased.
- vehicles with seat belt extenders: the seat belts of the outer rear seats are pre-tensioned.

If the hazardous situation passes without resulting in an accident, PRE-SAFE® slackens the belt pre-tensioning. On vehicles with multicontour seats, the air pressure in the side bolsters is reduced again. All settings made by PRE-SAFE® can then be reversed.

If the seat belt pre-tensioning is not reduced:

▶ Move the seat backrest or seat back slightly when the vehicle is stationary.
Seat belt pre-tensioning is reduced and the locking mechanism is released.

The seat-belt adjustment is an integral part of the PRE-SAFE® convenience function. Information about the convenience function can be found under "Belt adjustment" (▷ page 52).

PRE-SAFE® PLUS (anticipatory occupant protection PLUS)

Introduction

PRE-SAFE® PLUS is only available in vehicles with the Driving Assistance package.

Using the radar sensor system, PRE-SAFE® PLUS is able to detect that a head-on or rear-end collision is imminent. In certain hazardous situations, PRE-SAFE® PLUS takes pre-emptive measures to protect the vehicle occupants.

Important safety notes

The intervention of PRE-SAFE® PLUS cannot prevent an imminent collision.

The driver is not warned when PRE-SAFE® PLUS intervenes.

PRE-SAFE® PLUS does not intervene:

- if the vehicle is reversing
- when the vehicle is towing a trailer and there is a risk of a rear-end collision

When driving, or when parking or exiting a parking space with assistance from Active Parking Assist, PRE-SAFE® PLUS will not apply the brakes.

Function

PRE-SAFE® PLUS intervenes in certain situations if the radar sensor system detects an imminent head-on or rear-end collision.

PRE-SAFE® PLUS takes the following measures depending on the hazardous situation detected:

- if the radar sensor system detects that a head-on collision is imminent, the seat belts are pre-tensioned
- if the radar sensor system detects that a rear-end collision is imminent:
  - the rear hazard warning lamps are activated and flash at a higher frequency
  - the brake pressure is increased if the driver applies the brakes when the vehicle is stationary
  - the seat belts are pre-tensioned

The PRE-SAFE® PLUS braking application is cancelled:

- if the accelerator pedal is depressed when a gear is engaged
- if the risk of a collision passes or is no longer detected
- if DISTRONIC PLUS indicates an intention to pull away

If the hazardous situation passes without resulting in an accident, the original settings are restored.

Automatic measures after an accident

Immediately after an accident, the following measures are implemented, depending on the type and severity of the impact:

- the hazard warning lamps are activated
- the emergency lighting is activated
- the vehicle doors are unlocked
- the front side windows are lowered
- the electrically adjustable steering wheel is raised
- the engine is switched off and the fuel supply is cut off
- vehicles with seat belt extenders: the seat-belt buckles for the outer rear seats are illuminated and extend forwards
- vehicles with the Mercedes-Benz emergency call system: automatic emergency call
- vehicles with the hybrid drive system: the hybrid system and the high-voltage electrical system are deactivated

Children in the vehicle

Important safety notes

Accident statistics show that children secured on the rear seats are safer than children secured on the front-passenger seat. For this reason, Mercedes-Benz strongly advise that you install the child restraint system on a rear seat. The child is generally better protected there.

If a child younger than twelve years old and under 1.50 m in height is travelling in the vehicle:

- always secure the child in a child restraint system suitable for Mercedes-Benz vehicles. The child restraint system must be appropriate to the age, weight and size of the child.
- always observe the instructions and safety notes in this section in addition to the child restraint system manufacturer's instructions.
- always observe the instructions and safety notes on automatic front-passenger airbag deactivation (▷ page 55).

⚠ WARNING

If you leave children unattended in the vehicle, they may be able to set the vehicle in motion if, for example, they:

- release the parking brake
- shift the automatic transmission out of park position **P**
- start the engine

In addition, they may operate vehicle equipment and become trapped. There is a risk of an accident and injury.

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

⚠ WARNING

If persons (particularly children) are exposed to heat or cold for a prolonged period, there is a risk of serious or even fatal injuries. Never leave persons (particularly children) unattended in the vehicle.

⚠ WARNING

If the child restraint system is placed in direct sunlight, the parts could become very hot. Children could be suffer burns by touching these parts, in particular on the metallic parts of the child restraint system. There is a risk of injury.

If you and your child leave the vehicle, always make sure that the child restraint system is not in direct sunlight. Cover it with a blanket, for example. If the child restraint system has been exposed to direct sunlight, leave it to cool down before securing the child in it. Never leave children unattended in the vehicle.

Make sure that all vehicle occupants have fastened their seat belts properly and are seated correctly. This is particularly important for children.

Observe the safety notes on seat belts (▷ page 49) and the notes on the correct use of the seat belt (▷ page 50).

Child restraint system

Always observe the instructions for correct use of the child restraint system (▷ page 68).

For safety reasons, Mercedes-Benz recommends that you only use a child restraint system recommended by Mercedes-Benz (▷ page 71).

⚠ WARNING

If the child restraint system is incorrectly fitted on the seat position suitable for this purpose, it cannot perform its intended protective function. In the event of an accident, sharp braking or a sudden change in direction, the child may not be held securely. There is an increased risk of serious or even fatal injuries.

Observe the manufacturer's installation instructions and the correct use for the child restraint system. Make sure that the entire surface of the child restraint system is resting on the seat surface. Never place objects under or behind the child restraint system, e.g. cushions. Only use child restraint systems with the original cover designed for them. Only replace damaged covers with genuine covers.

⚠ WARNING

If the child restraint system is fitted incorrectly or is not secured, it can come loose in the event of an accident, heavy braking or a sudden change in direction. The child restraint system could be thrown about, striking vehicle occupants. There is an increased risk of injury, possibly even fatal.

Always fit child restraint systems properly, even if they are not being used. Make sure that you observe the child restraint system manufacturer's installation instructions.

You will find further information on securely stowing objects, luggage and loads under "Loading guidelines" (▷ page 365).

⚠ WARNING

Child restraint systems or their securing systems that have been damaged or subjected to a load in an accident cannot perform their intended protective function. In the event of an accident, sharp braking or a sudden change in direction, the child may not be held securely. There is an increased risk of serious or even fatal injuries.

Immediately replace child restraint systems that have been damaged or subjected to a load in an accident. Have the child restraint securing systems checked in a qualified specialist workshop before fitting a child restraint system again.

Securing systems for child restraint systems are:

- the seat belt system
- the ISOFIX securing rings
- Top Tether anchorages

If it is absolutely necessary to fit a child restraint system on the front-passenger seat, be sure to observe the notes on "Child restraint systems on the front-passenger seat" (▷ page 66).

Observe the warning labels in the vehicle interior and on the child restraint.

Vehicles with seat belt extenders: when securing a child in a child restraint system on a rear seat, observe the following instructions:

- make sure that the seat belt on the child restraint system is fastened according to the manufacturer's instructions for the child restraint system
- for child restraint systems with a belt clamp: engage the belt tongue in the buckle before you tighten the seat belt using the belt clamp

Vehicles with rear reclining seat: put the seat backrest of the rear reclining seat in an almost vertical position when installing a child restraint system. The seat backrest of the rear reclining seat must rest against the child restraint system. Observe the notes on the cushion airbag (▷ page 54).

Vehicles with belt bags: only use a child restraint system that has been approved by Mercedes-Benz. Always observe the information under "Recommended child restraint systems" (▷ page 71).

ⓘ It is advisable to use Mercedes-Benz care products to clean child restraint systems recommended by Mercedes-Benz. You can obtain information at a qualified specialist workshop.

ISOFIX child seat securing system

⚠ WARNING

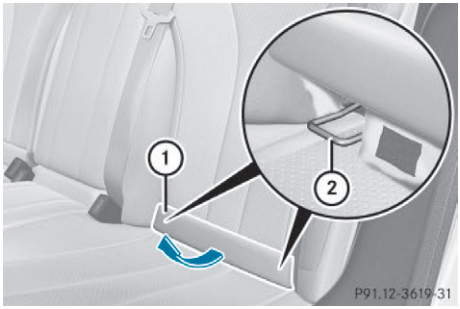
ISOFIX child restraint systems do not offer sufficient protective effect for children whose weight is greater than 22 kg who are secured using the safety belt integrated in the child restraint system. The child could, for example, not be restrained correctly in the event of an accident. This poses an increased risk of injury or even fatal injury.

If the child weighs more than 22 kg, only use ISOFIX child restraint systems with which the child is also secured with the vehicle seat belt. Also secure the child restraint system with the Top Tether belt, if available.

When fitting a child restraint system, be sure to observe the manufacturer's installation and operating instructions and the instructions for correct use of the child restraint system (▷ page 68).

Before every trip, make sure that the ISOFIX child restraint system is engaged correctly in both ISOFIX securing rings.

! When fitting the child restraint system, make sure that the seat belt for the centre seat does not get trapped. Otherwise, the seat belt could be damaged.



ISOFIX securing rings ② on the rear seats are covered by upholstered lining ① with the Velcro fastening.

- ▶ **Vehicles with a rear reclining seat:** adjust the rear reclining seat backrest down a little before installing the ISOFIX child restraint system.
- ▶ **Vehicles without a rear reclining seat:** fold upholstered lining ① upwards.
- ▶ **Vehicles with a rear reclining seat:**remove upholstered lining ①.
- ▶ **Vehicles without a rear reclining seat:** turn the support on the rear side of upholstered lining ① by 90°.
  Upholstered lining ① remains folded upwards.
- ▶ Install the ISOFIX child restraint system on both ISOFIX securing rings ②.
- ▶ **Vehicles with a rear reclining seat:** move the rear reclining seat backrest again to an upright position. The rear reclining seat backrest must rest against the child restraint system.

⚠ **WARNING**

Vehicles with electrically adjustable rear bench seats:

If you adjust the seat after fitting a child restraint system:

- the seat belt could slacken or become too tight
- the child restraint system could become loose, incorrectly positioned or damaged

As a result, the child restraint system may not be able to provide the intended level of protection. This poses an increased risk of injury or even fatal injury.

Never adjust the seat after fitting the child restraint system.

Vehicles without a rear reclining seat: after you have removed the ISOFIX child restraint system, you must turn the support on upholstered lining ① by 90° again. Then fold upholstered lining ① down.

ISOFIX is a standardised securing system for specially designed child restraint systems on the rear seats. ISOFIX securing rings ② for two ISOFIX child restraint systems are fitted on the left and right of the rear seats.

Vehicles with rear seat armrest: adjust the rear seat armrest so that ISOFIX securing rings ② for the ISOFIX child restraint system are accessible.

Non-ISOFIX child seats may also be used and can be installed using the vehicle's seat belt system. When fitting a child restraint system, be sure to observe the manufacturer's installation and operating instructions and the instructions for correct use of the child restraint system (▷ page 68).

Top Tether

Introduction

Top Tether provides an additional connection between the child restraint system secured with ISOFIX and the vehicle. It helps reduce the risk of injury even further. If the child restraint system is fitted with a Top Tether belt, this should always be used.

Important safety notes

⚠ **WARNING**

If the rear seat backrests are not locked, they could fold forwards in the event of an accident, heavy braking or sudden changes of direction. As a result, child restraint systems cannot perform their intended protective function. Rear seat backrests that are not locked can also cause additional injuries, e.g.

in the event of an accident. This poses an increased risk of injury or even fatal injury.

Always lock rear seat backrests after fitting a Top Tether belt. Observe the lock verification indicator. Adjust the rear seat backrests so that they are in an upright position.

⚠ WARNING

Vehicles with electrically adjustable rear bench seats:

If you adjust the seat after fitting a child restraint system:

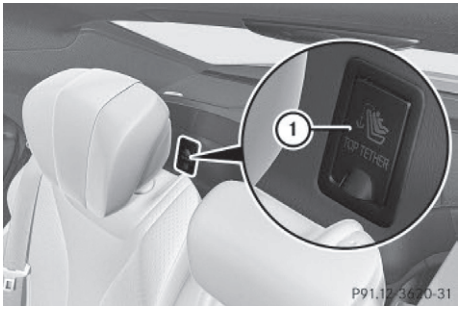
- the seat belt could slacken or become too tight
- the child restraint system could become loose, incorrectly positioned or damaged

As a result, the child restraint system may not be able to provide the intended level of protection. This poses an increased risk of injury or even fatal injury.

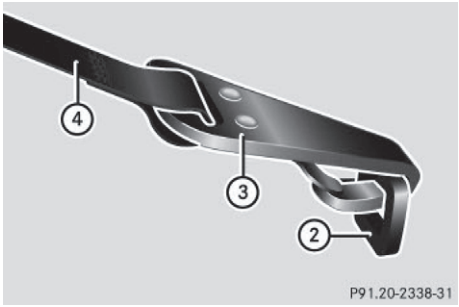
Never adjust the seat after fitting the child restraint system.

If the rear seat backrest is not engaged and locked, this will be shown in the multifunction display in the instrument cluster. A warning tone also sounds.

Top Tether anchorages



The Top Tether anchorage points are fitted in the rear compartment behind the outer head restraints on the parcel shelf.



- ▶ Move the head restraint upwards (▷ page 125).
- ▶ Fold up cover ① of the Top Tether anchorage.
- ▶ Fit the ISOFIX child restraint system with Top Tether. Always comply with the child restraint system manufacturer's installation instructions when doing so.
- ▶ Route Top Tether belt ④ under the head restraint between the two head restraint bars.
- ▶ Hook Top Tether hook ③ of Top Tether belt ④ into Top Tether anchorage ②. Make sure that Top Tether belt ④ is not twisted.
- ▶ Tension Top Tether belt ④. Always comply with the child restraint system manufacturer's installation instructions when doing so.
- ▶ Fold down cover ① of the Top Tether anchorage.
- ▶ If necessary, move the head restraint back down again slightly (▷ page 125). Make sure that you do not interfere with the correct routing of Top Tether belt ④.

Child restraint system on the front-passenger seat

General notes

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

Vehicles with the automatic front-passenger front airbag deactivation system: if it is absolutely necessary to fit a child restraint system to the front-passenger seat, always observe the information on the "Automatic front-passenger front airbag deactivation system" (▷ page 55).

You can thus avoid the risks that could arise as a result of:

- a child restraint system that is not detected by the automatic front-passenger front airbag deactivation system
- the unintentional disabling of the front-passenger front airbag
- the unsuitable positioning of the child restraint system, e.g. too close to the dashboard



Please observe the warning notice on the front-passenger sun visor, see the illustration.

⚠ WARNING

If you secure a child on the co-driver's seat in a rearward-facing child restraint system and the PASSENGER AIR BAG ON indicator lamp lights up, the co-driver's airbag could be deployed in the event of an accident. The child could be struck by the airbag. There is an increased risk of injury, possibly even fatal.

In this case, always ensure that the co-driver's airbag is disabled. The PASSENGER AIRBAG OFF indicator lamp must light up.

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.

If the PASSENGER AIR BAG ON indicator lamp is lit, the front-passenger front airbag is enabled (▷ page 48).

Vehicles without the automatic front-passenger front airbag deactivation system



If the front-passenger seat of your vehicle is not equipped with the automatic front-passenger front airbag deactivation system, this is indicated by a special sticker. The sticker is affixed to the side of the dashboard on the front-passenger side. The sticker is visible when you open the front-passenger door.

Never fit a rearward-facing child restraint system on the front-passenger seat in this case (▷ page 68).

Observe the following information under "Rearward-facing child restraint system" and "Forward-facing child restraint system" as well as information on the suitable positioning of the child restraint system (▷ page 68).

Rearward-facing child restraint system

If it is absolutely necessary to fit a rearward-facing child restraint system to the front-passenger seat, always make sure that the front-passenger front airbag is disabled. Only if the PASSENGER AIR BAG OFF indicator lamp is lit continuously (▷ page 48)is the front-passenger front airbag disabled.

Always observe the information on suitable positioning of the child restraint system (▷ page 68) in addition to the child restraint system manufacturer's installation and operating instructions.

Forward-facing child restraint system

If it is absolutely necessary to fit a forward-facing child restraint system to the front-passenger seat, always move the front-passenger seat as far back as possible. Fully retract the seat cushion length. The entire base

of the child restraint system must always rest on the seat cushion of the front-passenger seat. The backrest of the child restraint system must, as far as possible, lie flat against the backrest of the front-passenger seat. The child restraint system must not touch the roof or be put under strain by the head restraint. Adjust the angle of the seat backrest and the head restraint position accordingly. Always make sure that the shoulder belt strap is correctly routed from the vehicle belt outlet to the shoulder belt guide on the child restraint system. The shoulder belt strap must be routed forwards and downwards from the vehicle belt outlet. If necessary, adjust the vehicle belt outlet and the front-passenger seat accordingly.

Always observe the information on suitable positioning of the child restraint system (▷ page 68) in addition to the child restraint system manufacturer's installation and operating instructions.

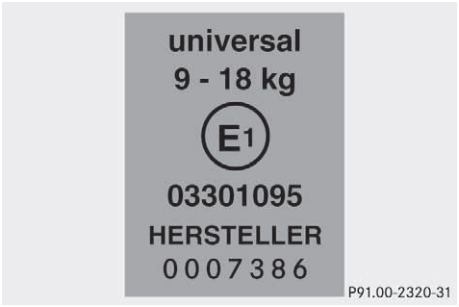
Suitable positioning of the child restraint system

Introduction

Only child restraint systems which are approved in accordance with the ECE standard ECE R44 are permitted for use in the vehicle.

For certain child restraint systems in weight categories II or III, this can mean that the area of use is restricted. The maximum size setting of the child restraint system is not possible due to possible contact with the roof.

"Universal" category child restraint systems can be recognised by their orange approval label and the text "Universal".



Example: approval label on the child restraint system

"Universal" category child restraint systems can be used on the seats indicated with U, UF or IUF according to the tables "Suitability of the seats for attaching belt-secured child restraint systems" or "Suitability of the seats for attaching an ISOFIX child restraint system".

Semi-universal child restraint systems are indicated by the text "semi-universal" on the approval label. These can be used if the vehicle and the seat are listed in the child restraint system manufacturer's vehicle model list. For more information, contact the child restraint system manufacturer or visit their website.

If it is absolutely necessary to fit a child restraint system to the front-passenger seat:

- ▶ Always pay attention to the instructions under "Child restraint system on the front-passenger seat" (▷ page 66).

  There you will find instructions on how to correctly route the shoulder belt strap from the vehicle seat-belt extender or belt outlet to the shoulder belt guide on the child restraint system (▷ page 67).

  There you will find instructions on how to correctly route the shoulder belt strap from the vehicle belt outlet to the shoulder belt guide on the child restraint system (▷ page 67).
- ▶ Move the front-passenger seat as far back as possible and fully retract the seat cushion length.

  If you secure a child in a forward-facing child restraint system on the front-passenger seat, also move the front-passenger seat to the lowest position.
- ▶ Move the backrest to an almost vertical position.

  The entire base of the child restraint system must always rest on the seat cushion of the front-passenger seat. The backrest of the forward-facing child restraint system must, as far as possible, be resting on the backrest of the front-passenger seat. The child restraint system must not touch the roof or be put under strain by the head restraint. Adjust the angle of the seat backrest and the head restraint position accordingly. Also observe the child restraint system manufacturer's installation instructions.
- ▶ Move the seat cushion angle to the highest, most vertical position.

Suitability of the seats for attaching belt-secured child restraint systems

If you use a baby car seat of category 0 or 0+ or a rearward-facing child restraint system of category I on a rear seat, you must adjust the driver's or front-passenger seat so that the seat does not touch the child restraint system.

If you use a category I, forward-facing child restraint system, you should remove the head restraint of the respective seat (▷ page 122), if possible. The backrest of the child restraint system must, as far as possible, lie flat against the backrest of the seat.

Always observe the notes in the "Child restraint system" section (▷ page 63) and the child restraint system manufacturer's installation instructions.

When you remove the child restraint system you must replace the head restraints again immediately. All vehicle occupants must adjust their head restraints correctly before beginning the journey (▷ page 124).

Legend for the table:

X Seat which is unsuitable for children in this weight category.

U Suitable for child restraint systems in the "Universal" category that are approved for use in this weight category.

UF Suitable for forward-facing child restraint systems that belong to the "Universal" category and are approved for use in this weight category.

L Suitable for child restraint systems as recommended; see the "Recommended child restraint systems" table (▷ page 71). Suitable for semi-universal child restraint systems if the vehicle and the seat are listed in the child restraint system manufacturer's vehicle model list.

Front-passenger seat

Weight category		Front-passenger front airbag enabled	Front-passenger front airbag deactivated[1]
0	up to 10 kg	X	U, L
0+	up to 13 kg	X	U, L
I	9 kg to 18 kg	UF, L	U, L
II	15 kg to 25 kg	UF, L	U, L
III	22 kg to 36 kg	UF, L	U, L

Rear seat without belt bag

Weight category		Left, right	Centre[2]
0	up to 10 kg	U	U
0+	up to 13 kg	U	U
I	9 kg to 18 kg	U	U
II	15 kg to 25 kg	U	U
III	22 kg to 36 kg	U	U

1 The vehicle is equipped with an automatic front-passenger front airbag deactivation system. The PASSENGER AIR BAG OFF indicator lamp must be lit.

2 Child restraint systems with a supporting bracket are not suitable for this seat.

Rear seat with belt bag

Weight category		Left, right
0	up to 10 kg	L[3]
0+	up to 13 kg	L[3]
I	9 kg to 18 kg	L[3]
II	15 kg to 25 kg	L[4]
III	22 kg to 36 kg	L[4]

Rear seat with belt bag: when securing a child in a child restraint system on an outer rear seat, always pay attention to the following instructions:

- Only use a child restraint system approved by Mercedes-Benz. Always pay attention to the notes under "Recommended child restraint systems" (▷ page 71).
- Secure a rearward-facing child restraint system by the ISOFIX child seat securing system.
- Secure a forward-facing child restraint system by the ISOFIX child seat securing system and, if present, the Top Tether anchorage.

Vehicles with a rear reclining seat: the bottom and back of a forward-facing child restraint system must make full contact with the rear reclining seat cushion and backrest. The child restraint system must not touch the roof. Adjust the backrest angle accordingly. Also observe the child restraint system manufacturer's installation instructions.

Suitability of the seats for attaching ISOFIX child restraint systems

If you use a baby car seat of category 0 or 0+ or a rearward-facing child restraint system of category I on a rear seat, you must adjust the driver's or front-passenger seat so that the seat does not touch the child restraint system.

If you use a category I, forward-facing child restraint system, you should remove the head restraint of the respective seat (▷ page 122), if possible. The backrest of the child restraint system must, as far as possible, lie flat against the backrest of the seat.

Always observe the notes in the "Child restraint system" section (▷ page 63) and the child restraint system manufacturer's installation instructions.

When you remove the child restraint system you must replace the head restraints again immediately. All vehicle occupants must adjust their head restraints correctly before beginning the journey (▷ page 124).

Legend for the table:

X ISOFIX position that is not suitable for ISOFIX child restraint systems in this weight category and/or size category.

IUF Suitable for forward-facing ISOFIX child seat securing systems that belong to the "Universal" category which are approved for use in this weight category.

IL Suitable for ISOFIX child restraint systems as recommended; see the following table of "Recommended child restraint systems" (▷ page 71).

The manufacturer will also recommend a suitable ISOFIX child restraint system. For this, your vehicle and the seat must be listed in the child restraint system manufacturer's model list. For more information, contact the child restraint system manufacturer or visit their website.

[3] Rear seat with belt bag: only use a child restraint system approved by Mercedes-Benz that is installed on the ISOFIX child seat securing system.

[4] Rear seat with belt bag: only use the approved KIDFIX child seat.

Weight category		Size category	Equipment	Rear seat left, right
Carry-cot		F	ISO/L1	X
		G	ISO/L2	X
0	up to 10 kg up to approximately 6 months	E	ISO/R1	IL
0+	up to 13 kg up to approximately 15 months	E	ISO/R1	IL
		D	ISO/R2	IL
		C	ISO/R3	IL[5]
I	9 kg to 18 kg between approximately 9 months and 4 years	D	ISO/R2	IL
		C	ISO/R3	IL[5]
		B	ISO/F2	IUF
		B1	ISO/F2X	IUF
		A	ISO/F3	IUF

The child restraint system must not touch the roof or be put under strain by the head restraint. Where possible, adjust the head restraint position and the seat backrest angle accordingly. Also observe the child restraint system manufacturer's installation instructions.

Vehicles with a rear reclining seat: always pay attention to the instructions under "ISOFIX child seat securing system" (▷ page 64). The rear reclining seat backrest must rest against the child restraint system.

Recommended child restraint systems

General notes

Always observe the information in "Child restraint systems on the front-passenger seat" (▷ page 66) and in "Suitable positioning of the child restraint system" (▷ page 68).

You can obtain further information about the correct child restraint system from any Mercedes-Benz Service Centre.

Rear seat with belt bag: when securing a child in a child restraint system on an outer rear seat, always pay attention to the following instructions:

- Only use a child restraint system approved by Mercedes-Benz.
  - Weight category 0, 0+ or I: the child restraint system must be installed on the ISOFIX child seat securing system.
  - Weight category II/III: only use the approved KIDFIX child seat.
- Secure a rearward-facing child restraint system by the ISOFIX child seat securing system.
- Secure a forward-facing child restraint system by the ISOFIX child seat securing system and, if present, the Top Tether anchorage.
- Always pay attention to the instructions in "Rear belt bags" (▷ page 50).

5 If you are using a child restraint system of size category C (ISO/R3), move the front seat to the highest position and move the backrest to an upright position. Make sure that the front seat backrest does not rest against the child restraint system.

Recommended child restraint systems for attaching with the vehicle seat belt

Weight categories	Manufacturer	Type	Approval number(E1 ...)	Order number (A 000 ...)[6]
Category 0: up to 10 kg up to approximately 6 months	Britax Römer	BABY SAFE plus II	04 301146	970 20 00 970 36 00
Category 0+: up to 13 kg up to approximately 15 months	Britax Römer	BABY SAFE plus II	04 301146	970 20 00 970 36 00
Category I: 9 kg to 18 kg between approximately 9 months and 4 years	Britax Römer	DUO plus	04 301133	970 16 00 970 21 00 970 37 00
Category II/III: 15 kg to 36 kg between approximately 4 years and 12 years	Britax Römer	KIDFIX[7]	04 301198	970 19 00 970 22 00 970 38 00

Recommended "Universal"/"Semi-Universal" category ISOFIX child restraint systems

Weight categories	Size category	Manufacturer	Type	Approval number (E1 ...)	Order number[6]
Category 0+: up to 13 kg	E	Britax Römer	BABY SAFE plus	04 301146	B6 6 86 8224
Category I: 9 kg to 18 kg	B1	Britax Römer	DUO plus	04 301133	A 000 970 16 00 A 000 970 21 00 A 000 970 37 00

6 Colour code 9H95.

7 Before fitting the KIDFIX child restraint system in the vehicle, always observe the child restraint system manufacturer's installation instructions. These will also include notes on fixing options.

Child-proof locks

Important safety notes

⚠ WARNING

If children are travelling in the vehicle, they could:

- open doors, thus endangering other people or road users
- exit the vehicle and be caught by oncoming traffic
- operate vehicle equipment and become trapped, for example

There is a risk of an accident and injury.

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

Override feature for:

- the rear doors (▷ page 73)
- the rear side windows (▷ page 74)

Observe the important safety notes on the double lock function (▷ page 87).

⚠ WARNING

If you leave children unattended in the vehicle, they may be able to set the vehicle in motion if, for example, they:

- release the parking brake
- shift the automatic transmission out of park position **P**
- start the engine

In addition, they may operate vehicle equipment and become trapped. There is a risk of an accident and injury.

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

⚠ WARNING

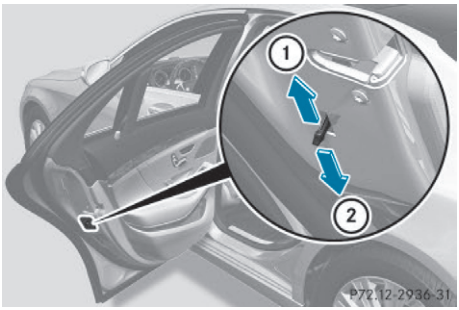
If persons (particularly children) are exposed to heat or cold for a prolonged period, there is a risk of serious or even fatal injuries. Never leave persons (particularly children) unattended in the vehicle.

⚠ WARNING

If the child restraint system is placed in direct sunlight, the parts could become very hot. Children could be suffer burns by touching these parts, in particular on the metallic parts of the child restraint system. There is a risk of injury.

If you and your child leave the vehicle, always make sure that the child restraint system is not in direct sunlight. Cover it with a blanket, for example. If the child restraint system has been exposed to direct sunlight, leave it to cool down before securing the child in it. Never leave children unattended in the vehicle.

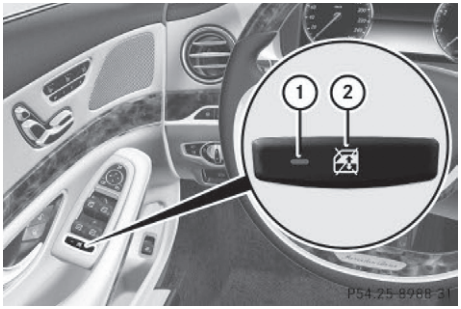
Child-proof locks for the rear doors



You secure each door individually with the child-proof locks on the rear doors. A door secured with a child-proof lock cannot be opened from inside the vehicle. When the vehicle is unlocked, the door can be opened from the outside.

- ▶ **To activate:** press the child-proof lock lever up in the direction of arrow ①.
- ▶ Make sure that the child-proof locks are working properly.
- ▶ **To deactivate:** press the child-proof lock lever down in the direction of arrow ②.

Override feature for the rear side windows



▶ **To activate/deactivate:** press button ②. If indicator lamp ① is lit, operation of the rear side windows is disabled. Operation is only possible using the switches in the driver's door. If indicator lamp ① is off, operation is possible using the switches in the rear compartment.

When the override feature is activated, the controls in the rear compartment are disabled for:

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

Pets in the vehicle

⚠ WARNING

If you leave animals unsupervised or unsecured in the vehicle, they may push a button or a switch, for example.

They could:

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

In the event of an accident, sudden braking or abrupt changes of direction, unsecured animals could be flung around the vehicle, injuring the vehicle occupants. There is a risk of an accident and injury.

Never leave animals unattended in the vehicle. Always secure animals correctly during a journey, e.g. in an animal transport box.

Driving safety systems

Driving safety systems overview

In this section, you will find information about the following driving safety systems:

- ABS (**A**nti-lock **B**raking **S**ystem) (▷ page 75)
- BAS (**B**rake **A**ssist **S**ystem) (▷ page 75)
- BAS PLUS (**B**rake **A**ssist **S**ystem PLUS) with Cross-Traffic Assist (▷ page 75)
- COLLISION PREVENTION ASSIST PLUS (▷ page 77)
- Adaptive brake lights (▷ page 79)
- ESP® (**E**lectronic **S**tability **P**rogram) (▷ page 80)
- EBD (**e**lectronic **b**rake force **d**istribution) (▷ page 82)
- ADAPTIVE BRAKE (▷ page 82)
- PRE-SAFE® Brake (▷ page 82)
- STEER CONTROL (▷ page 84)

Important safety notes

ⓘ Observe the safety instructions for hybrid vehicles (▷ page 44).

If you fail to adapt your driving style or if you are inattentive, the driving safety systems can neither reduce the risk of an accident nor override the laws of physics. Driving safety systems are merely aids designed to assist driving. You are responsible for maintaining the distance to the vehicle in front, for vehicle speed, for braking in good time, and for staying in lane. Always adapt your driving style to suit the prevailing road and weather conditions and maintain a safe distance from the vehicle in front. Drive carefully.

The driving safety systems described only work as effectively as possible when there is adequate contact between the tyres and the road surface. Pay particular attention to the information regarding tyres, recommended minimum

tyre tread depths etc. in the "Wheels and tyres" section (▷ page 427).

In wintry driving conditions, always use winter tyres (M+S tyres) and, if necessary, snow chains. Only in this way will the driving safety systems described in this section work as effectively as possible.

ABS (Anti-lock Braking System)

General notes

ABS regulates brake pressure in such a way that the wheels do not lock when you brake. This allows you to continue steering the vehicle when braking.

The (ABS) ABS warning lamp in the instrument cluster lights up when the ignition is switched on. It goes out when the engine is running.

ABS works from a speed of about 8 km/h, regardless of road-surface conditions. ABS works on slippery surfaces, even when you only brake gently.

Important safety notes

ⓘ Observe the "Important safety notes" section (▷ page 74).

⚠ WARNING

If ABS is faulty, the wheels could lock when braking. The steerability and braking characteristics may be severely impaired. Additionally, further driving safety systems are deactivated. There is an increased danger of skidding and accidents.

Drive on carefully. Have ABS checked immediately at a qualified specialist workshop.

If ABS is malfunctioning, other systems, including driving safety systems, will also become inoperative. Observe the information on the ABS warning lamp (▷ page 355) and display messages which may be shown in the instrument cluster (▷ page 314).

Braking

- **If ABS intervenes:** continue to depress the brake pedal with force until the braking situation is over.
- **To make a full brake application:** depress the brake pedal with full force.

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; this serves as a reminder to take extra care while driving.

BAS (Brake Assist)

General notes

BAS operates in emergency braking situations. If you depress the brake pedal quickly, BAS automatically boosts the braking force, thus shortening the stopping distance.

Important safety notes

ⓘ Observe the "Important safety notes" section (▷ page 74).

⚠ WARNING

If BAS is malfunctioning, the braking distance in an emergency braking situation is increased. There is a risk of accident.

In an emergency braking situation, depress the brake pedal with full force. ABS prevents the wheels from locking.

Braking

- Keep the brake pedal depressed firmly until the emergency braking situation is over. ABS prevents the wheels from locking.

The brakes will function as usual once you release the brake pedal. BAS is deactivated.

BAS PLUS (Brake Assist System PLUS) with Cross-Traffic Assist

General notes

BAS PLUS can help you to minimise the risk of a collision with a vehicle or a pedestrian and reduce the effects of such a collision. If BAS

PLUS detects a danger of collision, you are assisted when braking.

ⓘ Pay attention to the important safety notes in the "Driving safety systems" section (▷ page 74).

BAS PLUS is only available in vehicles with the Driving Assistance Plus package.

For BAS PLUS to assist you when driving, the radar sensor system and the camera system must be operational.

With the help of a sensor system and a camera system, BAS PLUS can detect obstacles:

- that are in the path of your vehicle for an extended period of time
- that cross the path of your vehicle

In addition, pedestrians in the path of your vehicle can be detected.

BAS PLUS detects pedestrians using typical characteristics such as the body contours and posture of a person standing upright.

If the radar sensor system or the camera system is malfunctioning, BAS PLUS functions are restricted or no longer available. The brake system is still available with complete brake boosting effect and BAS.

ⓘ Observe the restrictions described in the "Important safety notes" section (▷ page 76).

Important safety notes

⚠ WARNING

BAS PLUS cannot always clearly identify objects and complex traffic situations.

In such cases, BAS PLUS may:

- intervene unnecessarily
- not intervene

There is a risk of an accident.

Always pay careful attention to the traffic situation and be ready to brake. Terminate the intervention in a non-critical driving situation.

⚠ WARNING

BAS PLUS cannot always clearly identify people, this is especially the case if they are moving. BAS PLUS cannot intervene in these cases. There is a risk of an accident.

Always pay careful attention to the traffic situation and be ready to brake.

⚠ WARNING

BAS PLUS does not react:

- to small people, e.g. children
- to animals
- to oncoming vehicles
- when cornering

As a result, BAS PLUS may not intervene in all critical situations. There is a risk of an accident.

Always pay careful attention to the traffic situation and be ready to brake.

In the event of snowfall or heavy rain, detection can be impaired.

Detection by the radar sensor system is also impaired in the event of:

- dirt on the sensors or obscured sensors
- interference by other radar sources
- strong radar reflections, for example, in multi-storey car parks
- a narrow vehicle travelling in front, e.g. a motorcycle
- a vehicle travelling in front on a different line
- vehicles quickly moving into the radar sensor system detection range

Detection by the camera system is also impaired in the event of:

- dirt on the camera or if the camera is covered
- glare on the camera system, e.g. from the sun being low in the sky
- darkness
- if:
  - pedestrians move quickly, e.g. into the path of the vehicle
  - the camera system no longer detects a pedestrian as a person due to special clothing or other objects
  - a pedestrian is concealed by other objects
  - the typical outline of a person is not distinguishable from the background

Following damage to the front end of the vehicle, have the radar sensor settings and operation checked at a qualified specialist workshop. This also applies to collisions at slow speeds where

there is no visible damage to the front of the vehicle.

Following damage to the windscreen, have the configuration and operation of the camera system checked at a qualified specialist workshop.

Function

To avoid a collision, BAS PLUS calculates the brake force necessary if:

- you approach an obstacle and
- BAS PLUS has detected a risk of a collision

When driving at a speed under30 km/h: if you depress the brake pedal, BAS PLUS is activated. Braking assistance from BAS PLUS is carried out at the last possible moment.

When driving at a speed above30 km/h: if you depress the brake pedal sharply, BAS PLUS automatically increases the brake pressure to a degree suited to the traffic situation.

BAS PLUS provides braking assistance in hazardous situations with vehicles in front within a speed range between 7 km/h and 250 km/h.

At speeds of up to approximately 70 km/h, BAS PLUS can react to:

- stationary objects in the path of your vehicle, e.g. stopped or parked vehicles
- pedestrians in the path of your vehicle
- obstacles crossing your path, which move in the detection range of the sensors and are recognised by them

If BAS PLUS demands particularly high braking force, preventative passenger protection measures (PRE-SAFE®) are activated simultaneously (▷ page 61).

▶ Keep the brake pedal depressed until the emergency braking situation is over. ABS prevents the wheels from locking.

BAS PLUS is deactivated and the brakes function as usual again if:

- you release the brake pedal
- there is no longer a risk of collision
- no obstacle is detected in front of your vehicle
- you depress the accelerator pedal
- you activate kickdown

COLLISION PREVENTION ASSIST PLUS

General notes

COLLISION PREVENTION ASSIST PLUS consists of a distance warning function with an autonomous braking function and Adaptive Brake Assist.

COLLISION PREVENTION ASSIST PLUS can help you to minimise the risk of a collision with the vehicle in front or reduce the effects of such a collision.

If COLLISION PREVENTION ASSIST PLUS detects that there is a risk of a collision, you will be warned visually and acoustically. If you do not react to the visual and audible collision warning, autonomous braking can be initiated in critical situations. If you apply the brake yourself in a critical situation, the COLLISION PREVENTION ASSIST PLUS Adaptive Brake Assist assists you.

Important safety notes

In particular, the detection of obstacles can be impaired in the case of:

- dirt on the sensors or obscured sensors
- snow or heavy rain
- interference by other radar sources
- strong radar reflections, for example, in multi-storey car parks
- a narrow vehicle travelling in front, e.g. a motorcycle
- a vehicle travelling in front on a different line
- new vehicles or after a service on the COLLISION PREVENTION ASSIST PLUS system

  Please observe the information in the section on running-in the vehicle (▷ page 174).

Following damage to the front end of the vehicle, have the configuration and operation of the radar sensor checked at a qualified specialist workshop. This also applies to collisions at slow speeds where there is no visible damage to the front of the vehicle.

Activating/deactivating

The COLLISION PREVENTION ASSIST PLUS is automatically active after switching on the ignition.

You can activate or deactivate COLLISION PREVENTION ASSIST PLUS in the on-board com-

puter (▷ page 306). When deactivated, the distance warning function and the autonomous braking function are also deactivated.

If COLLISION PREVENTION ASSIST PLUS is deactivated, the OFF symbol appears in the assistance graphics display.

Distance warning function

General notes

ⓘ Observe the "Important safety notes" section for driving safety systems (▷ page 74).

The distance warning function can help you to minimise the risk of a collision with the vehicle in front or reduce the effects of such a collision.

With the help of the radar sensor system, the distance warning function can detect obstacles that are in the path of your vehicle for an extended period of time.

If the distance warning function detects that there is a risk of a collision, you will be warned visually and acoustically.

The distance warning function issues a warning at speeds:

- of approximately 30 km/h or more, if, over several seconds, the distance maintained to the vehicle travelling in front is insufficient. The distance warning lamp then lights up in the instrument cluster.
- of approximately 7 km/h or more, if you rapidly approach a vehicle in front. An intermittent warning tone will then sound, and the distance warning lamp will light up in the instrument cluster.

Up to a speed of approximately 70 km/h, the distance warning function can also react to stationary obstacles, such as stopped or parked vehicles.

Important safety notes

⚠ WARNING

The distance warning function does not react:

- to people or animals
- to oncoming vehicles
- to crossing traffic
- when cornering

Thus, the distance warning function cannot provide a warning in all critical situations. There is a risk of an accident.

Always pay careful attention to the traffic situation and be ready to brake.

⚠ WARNING

The distance warning function cannot always clearly identify objects and complex traffic situations.

In such cases, the distance warning function may:

- give an unnecessary warning
- not give a warning

There is a risk of an accident.

Always pay careful attention to the traffic situation; do not rely on the distance warning function alone.

▶ Brake immediately in order to increase the distance from the vehicle in front.

or

▶ Take evasive action provided it is safe to do so.

Due to the nature of the system, particularly complicated but non-critical driving conditions may also cause the system to display a warning.

Autonomous braking function

If the driver does not react to the distance warning signal in a critical situation, COLLISION PREVENTION ASSIST PLUS can assist with the autonomous braking function.

The autonomous braking function:

- gives the driver more time to react to critical driving situations
- can help the driver to avoid an accident or
- reduces the effects of an accident

The autonomous braking function is available in the following speed ranges:

- from 7 km/h to approximately 105 km/h for moving objects
- from 7 km/h to approximately 50 km/h for stationary objects

Due to the nature of the system, complicated but non-critical driving situations may also cause the autonomous braking function to intervene.

If the autonomous braking function demands particularly high braking force, preventative

passenger protection measures (PRE-SAFE®) are activated simultaneously (▷ page 61).

Adaptive Brake Assist

General notes

ⓘ Observe the "Important safety notes" section (▷ page 74).

With the help of Adaptive Brake Assist, the distance warning signal can detect obstacles that are in the path of your vehicle for an extended period of time.

If Adaptive Brake Assist detects a risk of a collision with the vehicle in front, it calculates the braking force necessary to avoid a collision. If you apply the brakes forcefully, Adaptive Brake Assist will automatically increase the braking force to a level suitable for the traffic conditions.

Adaptive Brake Assist provides braking assistance in hazardous situations at speeds above 7 km/h. It uses radar sensor technology to assess the traffic situation.

Up to a speed of approximately 250 km/h, Adaptive Brake Assist is capable of reacting to moving objects that have already been detected as such at least once over the period of observation.

Up to a speed of approximately 70 km/h, Adaptive Brake Assist reacts to stationary obstacles.

If Adaptive Brake Assist demands particularly high braking force, preventative passenger protection measures (PRE-SAFE®) are activated simultaneously (▷ page 61).

▶ Keep the brake pedal depressed until the emergency braking situation is over. ABS prevents the wheels from locking.

The brakes will work normally again if:

- you release the brake pedal
- there is no longer any danger of a collision
- no obstacle is detected in front of your vehicle

Adaptive Brake Assist is then deactivated.

Important safety notes

⚠ WARNING

Adaptive Brake Assist cannot always clearly identify objects and complex traffic situations.

In such cases, Adaptive Brake Assist can:

- intervene unnecessarily
- not intervene

There is a risk of an accident.

Always pay careful attention to the traffic situation and be ready to brake. Terminate the intervention in a non-critical driving situation.

⚠ WARNING

Adaptive Brake Assist does not react:

- to people or animals
- to oncoming vehicles
- to crossing traffic
- when cornering

As a result, the Adaptive Brake Assist may not intervene in all critical conditions. There is a risk of an accident.

Always pay careful attention to the traffic situation and be ready to brake.

Due to the nature of the system, complicated but non-critical driving situations may also cause Adaptive Brake Assist to intervene.

If Adaptive Brake Assist is not available due to a malfunction in the radar sensor system, the brake system remains available with full brake boosting effect and BAS.

Adaptive brake lights

The adaptive brake lights warn following traffic in an emergency braking situation:

- by flashing brake lamps
- the hazard warning lamps are activated

If you brake sharply from a speed of more than 50 km/h or if braking is assisted by BAS or BAS PLUS, the brake lamps flash rapidly. In this way, traffic travelling behind you is warned in an even more noticeable manner.

If you brake sharply from a speed of more than 70 km/h to a standstill, the hazard warning lamps are activated automatically. If the brakes are applied again, the brake lamps light up continuously. The hazard warning lamps switch off automatically if you travel faster than 10 km/h. You can also switch off the hazard warning

lamps using the hazard warning button (▷ page 141).

ESP® (Electronic Stability Program)

General notes

ⓘ Observe the "Important safety notes" section (▷ page 74).

ESP® monitors driving stability and traction, i.e. power transmission between the tyres and the road surface.

If ESP® detects that the vehicle is deviating from the direction desired by the driver, one or more wheels are braked to stabilise the vehicle. The engine output is also modified to keep the vehicle on the desired course within physical limits. ESP® assists the driver when pulling away on wet or slippery roads. ESP® can also stabilise the vehicle during braking.

ETS/4ETS (Electronic Traction System)

ⓘ Observe the "Important safety notes" section (▷ page 74).

ETS traction control is part of ESP®. On vehicles with 4MATIC, 4ETS is a component of ESP®.

Traction control brakes the drive wheels individually if they spin. This enables you to pull away and accelerate on slippery surfaces, for example if the road surface is slippery on one side. In addition, more drive torque is transferred to the wheel or wheels with traction.

Traction control remains active if you deactivate ESP®.

Important safety notes

⚠ **WARNING**

If ESP® is malfunctioning, ESP® is unable to stabilise the vehicle. In addition, other driving safety systems are switched off. This increases the risk of skidding and an accident.

Drive on carefully. Have ESP® checked at a qualified specialist workshop.

If the ESP® OFF warning lamp lights up continuously, then ESP® is deactivated.

If the ESP® warning lamp lights up continuously, ESP® is not available due to a malfunction.

Observe the information on warning lamps (▷ page 357) and display messages which may be shown in the instrument cluster (▷ page 314).

Only use wheels with the recommended tyre sizes. Only then will ESP® function properly.

Characteristics of ESP®

General notes

If the ESP warning lamp goes out before beginning the journey, ESP® is automatically active.

If ESP® intervenes, the ESP® warning lamp flashes in the instrument cluster.

If ESP® intervenes:

- ▶ Do not deactivate ESP® under any circumstances.
- ▶ when pulling away, only depress the accelerator pedal as far as is necessary.
- ▶ Adapt your driving style to suit the prevailing road and weather conditions.

ECO start/stop function

The ECO start/stop function is not available for PLUG-IN HYBRID vehicles.

The ECO start/stop function switches the engine off automatically if the vehicle stops moving. When pulling away again, the engine starts automatically. ESP® remains in its previously selected status. **Example:** if ESP® was deactivated before the engine was switched off, ESP® remains deactivated when the engine is switched on again.

Deactivating/activating ESP®

Important safety notes

ⓘ Observe the "Important safety notes" section (▷ page 74).

You can select between the following statuses of ESP®:

- ESP® is activated
- ESP® is deactivated

⚠ WARNING

If you deactivate ESP®, ESP® no longer stabilises the vehicle. There is an increased risk of skidding and an accident.

Only deactivate ESP® in the situations described in the following.

It may be best to deactivate ESP® in the following situations:

- when using snow chains
- in deep snow
- on sand or gravel

ⓘ Activate ESP® as soon as the situations described above no longer apply. ESP® will otherwise not be able to stabilise the vehicle if the vehicle starts to skid or a wheel starts to spin.

Deactivating/activating ESP®

You can deactivate or activate ESP® via the on-board computer (▷ page 305).

ESP®deactivated:

The [OFF] ESP® OFF warning lamp in the instrument cluster lights up.

ESP®activated:

The [OFF] ESP® OFF warning lamp in the instrument cluster goes out.

Characteristics when ESP® is deactivated

If ESP® is deactivated and one or more wheels start to spin, the [ESP] ESP® warning lamp in the instrument cluster flashes. In such situations, ESP® will not stabilise the vehicle.

If you deactivate ESP®:

- ESP® no longer improves driving stability
- Engine torque is no longer limited and the drive wheels are able to spin

  The spinning of the wheels results in a cutting action for better traction on loose surfaces.
- Traction control is still activated
- COLLISION PREVENTION ASSIST is no longer available; nor is it activated if you brake firmly with assistance from ESP®
- PRE-SAFE® is no longer available; it is also not activated if you brake firmly with assistance from ESP®
- PRE-SAFE® Brake is no longer available; it is also not activated if you brake firmly with assistance from ESP®
- ESP® still provides support when you brake firmly

ESP® trailer stabilisation

General notes

ESP® trailer stabilisation is not available in Mercedes-AMG vehicles.

If your vehicle/trailer combination begins to lurch, ESP® assists you in this situation. ESP® slows the vehicle down by braking and limiting the engine output until the vehicle/trailer combination has stabilised.

Important safety notes

⚠ WARNING

If road and weather conditions are poor, trailer stabilisation will not be able to prevent the vehicle/trailer combination from swerving. Trailers with a high centre of gravity can tip over before ESP® can detect this. There is a risk of an accident.

Always adapt your driving style to the prevailing road and weather conditions.

If your vehicle/trailer combination begins to lurch, you can only stabilise the vehicle/trailer combination by depressing the brake firmly.

ESP® trailer stabilisation is active above speeds of approximately 65 km/h.

ESP® trailer stabilisation does not work if ESP® is deactivated or disabled because of a malfunction.

Crosswind Assist (vehicles without MAGIC BODY CONTROL)

General notes

Vehicles with MAGIC BODY CONTROL: information on stabilising the vehicle in the event of crosswind (▷ page 227).

Strong crosswind gusts can impair the road-holding of your vehicle when driving straight ahead. The crosswind driving assistance function integrated in ESP® noticeably reduces these impairments.

Depending on the direction and intensity of the side wind, ESP® is activated automatically.

ESP® intervenes with stabilising braking to assist you in keeping the vehicle in the lane.

Crosswind Assist is active at vehicle speeds above 80 km/h when driving straight ahead or cornering gently.

Important safety notes

Crosswind Assist does not work if ESP® is deactivated or disabled because of a malfunction.

EBD (electronic brake force distribution)

General notes

EBD monitors and controls the brake pressure on the rear wheels to improve driving stability while braking.

Important safety notes

ⓘ Observe the "Important safety notes" section (▷ page 74).

⚠ **WARNING**

If EBD is malfunctioning, the rear wheels can lock, e.g. under full braking. This increases the risk of skidding and an accident.

You should therefore adapt your driving style to the different handling characteristics. Have the brake system checked at a qualified specialist workshop.

Observe information regarding indicator and warning lamps (▷ page 355) as well as display messages (▷ page 317).

ADAPTIVE BRAKE

ADAPTIVE BRAKE enhances braking safety and offers increased braking comfort. In addition to the braking function, ADAPTIVE BRAKE also has the HOLD function (▷ page 226) and hill start assist (▷ page 178).

PRE-SAFE® Brake

General notes

PRE-SAFE® Brake can help you to minimise the risk of a collision with a vehicle ahead or a pedestrian, and reduce the effects of such a collision. If PRE-SAFE® Brake has detected a risk of a collision, you will be warned visually and acoustically as well as by automatic braking.

ⓘ Pay attention to the important safety notes in the "Driving safety systems" section (▷ page 74).

PRE-SAFE® Brake is only available in vehicles with the Driving Assistance Plus package.

For PRE-SAFE® Brake to assist you when driving, the radar sensor system and the camera system must be switched on and operational.

With the help of the radar sensor system and the camera system, PRE-SAFE® Brake can detect obstacles that are in front of your vehicle for an extended period of time.

In addition, pedestrians in the path of your vehicle can be detected.

PRE-SAFE® Brake detects pedestrians using typical characteristics such as the body contours and posture of a person standing upright.

ⓘ Observe the restrictions described in the "Important safety notes" section (▷ page 82).

Important safety notes

⚠ **WARNING**

PRE-SAFE® Brake will initially brake your vehicle by a partial application of the brakes if a danger of collision is detected. There may be a collision unless you brake yourself. Even after subsequent full application of the brakes a collision cannot always be avoided, particularly when approaching at too high a speed. There is a risk of an accident.

Always apply the brakes yourself and try to take evasive action, provided it is safe to do so.

In the event of a partial application of the brakes, the vehicle is braked with up to 50% of the full braking pressure.

⚠ WARNING

PRE-SAFE® Brake cannot always clearly identify objects and complex traffic conditions.

In these cases, PRE-SAFE® Brake may:

- give an unnecessary warning and then brake the vehicle
- neither give a warning nor intervene

There is a risk of an accident.

Always pay particular attention to the traffic situation and be ready to brake, especially if PRE-SAFE® Brake warns you. Terminate the intervention in a non-critical driving situation.

⚠ WARNING

PRE-SAFE® Brake cannot always clearly identify people, especially if they are moving. In these cases, PRE-SAFE® Brake cannot intervene. There is a risk of an accident.

Always pay particular attention to the traffic situation and be ready to brake, especially if PRE-SAFE® Brake warns you.

In order to maintain the appropriate distance to the vehicle in front and thus prevent a collision, you must apply the brakes yourself.

⚠ WARNING

PRE-SAFE® Brake does not react:

- to small people, e.g. children
- to animals
- to oncoming vehicles
- to crossing traffic
- when cornering

As a result, PRE-SAFE® Brake may neither give warnings nor intervene in all critical situations. There is a risk of an accident.

Always pay careful attention to the traffic situation and be ready to brake.

In the event of snowfall or heavy rain, detection can be impaired.

Detection by the radar sensor system is also impaired in the event of:

- dirt on the sensors or obscured sensors
- interference by other radar sources
- strong radar reflections, for example, in multi-storey car parks
- a narrow vehicle travelling in front, e.g. a motorcycle
- a vehicle travelling in front on a different line

Detection by the camera system is also impaired in the event of:

- dirt on the camera or if the camera is covered
- glare on the camera system, e.g. from the sun being low in the sky
- darkness
- if:
  - pedestrians move quickly, e.g. into the path of the vehicle
  - the camera system no longer detects a pedestrian as a person due to special clothing or other objects
  - a pedestrian is concealed by other objects
  - the typical outline of a person is not distinguishable from the background

Following damage to the front end of the vehicle, have the radar sensor settings and operation checked at a qualified specialist workshop. This also applies to collisions at slow speeds where there is no visible damage to the front of the vehicle.

Following damage to the windscreen, have the configuration and operation of the camera system checked at a qualified specialist workshop.

Function

▶ **To activate/deactivate:** activate or deactivate PRE-SAFE® Brake in the on-board computer (▷ page 306).
If the PRE-SAFE® Brake is not activated, the OFF symbol appears in the multifunction display.

This function will issue a warning if:

- at a speed of around 30 km/h or more, the distance maintained to the vehicle travelling in front is insufficient for several seconds
  The distance warning lamp then lights up in the instrument cluster.
- at a speed of around 7 km/h or more, you rapidly approach a vehicle in front or a pedestrian
  An intermittent warning tone will then sound and the distance warning lamp lights up in the instrument cluster.

▶ Brake immediately to defuse the situation.

or

▶ Take evasive action provided it is safe to do so.

The PRE-SAFE® Brake function can also brake the vehicle automatically under the following conditions:

- the driver and front passenger have their seat belts fastened

  and
- the vehicle speed is between approximately 7 km/h and 200 km/h

At a speed of up to approximately 70 km/h, PRE-SAFE® Brake can also detect:

- stationary objects in the path of your vehicle, e.g. stopped or parked vehicles
- pedestrians in the path of your vehicle

ⓘ If there is an increased risk of a collision, preventive passenger protection measures (PRE-SAFE®) are triggered (▷ page 61).

If the risk of a collision with the vehicle in front remains and you do not brake, take evasive action or accelerate significantly, the vehicle may perform automatic emergency braking, up to the point of full brake application. Automatic emergency braking is not performed until immediately prior to an imminent accident.

You can prevent the intervention of PRE-SAFE® Brake at any time by:

- depressing the accelerator pedal further
- activating kickdown
- releasing the brake pedal

The braking action of PRE-SAFE® Brake is ended automatically if:

- you manoeuvre to avoid the obstacle
- there is no longer a risk of collision
- there is no longer an obstacle detected in front of your vehicle

STEER CONTROL

General notes

STEER CONTROL helps you by transmitting a noticeable steering force to the steering wheel in the direction required for vehicle stabilisation.

This steering support is provided in particular if:

- both right wheels or both left wheels are on a wet or slippery road surface when you brake
- the vehicle starts to skid

Important safety notes

ⓘ Observe the "Important safety notes" section (▷ page 74).

No steering support is provided from STEER CONTROL, if:

- ESP® is deactivated
- ESP® is malfunctioning
- the steering is faulty

Power steering will, however, continue to function.

Protection against theft

Immobiliser

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

▶ **To activate with the key:** remove the key from the ignition lock.

▶ **To activate with KEYLESS-GO:** switch the ignition off and open the driver's door.

▶ **To deactivate:** switch on the ignition.

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

ⓘ The immobiliser is always deactivated when you start the engine.

ATA (Anti-Theft Alarm system)



▶ **To prime:** lock the vehicle with the key or KEYLESS-GO.
Indicator lamp ① flashes. The alarm system is primed after approximately 10 seconds.
▶ **To deactivate:** unlock the vehicle with the key or KEYLESS-GO.

or

▶ Insert the key into the ignition lock.

A visual and audible alarm is triggered if the alarm system is primed and you open:

- a door
- the vehicle with the emergency key element
- the boot lid
- the bonnet

▶ **To deactivate the alarm with the key:** press the [🔓] or [🔒] button on the key.
The alarm is deactivated.

or

▶ Remove the Start/Stop button from the ignition lock.
▶ Insert the key into the ignition lock.
The alarm is deactivated.
▶ **To deactivate the alarm using KEYLESS-GO:** grasp the outside door handle. The key must be outside the vehicle.
The alarm is deactivated.

or

▶ Press the Start/Stop button on the dashboard. The key must be inside the vehicle.
The alarm is deactivated.

The alarm is not deactivated, even if you close the open door that has triggered it, for example.

ⓘ If the alarm stays on for more than 30 seconds, the Mercedes-Benz emergency call system automatically sends a message to the Customer Assistance Centre. This is done by means of a text message or a data connection.

The emergency call system sends a message or establishes a data connection provided that:

- you have subscribed to the Mercedes-Benz emergency call system
- the Mercedes-Benz emergency call system has been activated properly
- the necessary mobile phone network is available

Tow-away protection

Function

An audible and visual alarm is triggered if your vehicle's angle of inclination is altered while tow-away protection is primed. This can occur if the vehicle is jacked up on one side, for example.

Activating

▶ Make sure that:
- the doors are closed
- the boot lid is closed

Only then is tow-away protection primed.
▶ Lock the vehicle with the key or KEYLESS-GO.
Tow-away protection is primed after approximately 60 seconds.

Switching off

▶ Unlock the vehicle with the key or KEYLESS-GO.

or

▶ Insert the key into the ignition lock.
Tow-away protection is switched off automatically.

Deactivating

You can deactivate tow-away protection via the multimedia system (see the separate operating instructions).

Interior motion sensor

Function

When the interior motion sensor is primed, a visual and audible alarm is triggered if movement is detected in the vehicle interior. This can occur if someone reaches into the vehicle interior, for example.

Activating

▶ Make sure that:

- the side windows are closed
- the panorama sliding sunroof is closed
- there are no objects, e.g. mascots, hanging on the rear-view mirror or on the grab handles on the roof trim

This will prevent false alarms.

▶ Make sure that:
- the doors are closed
- the panorama sliding sunroof is closed
- the boot lid is closed

Only then is the interior motion sensor primed.

▶ Lock the vehicle with the key or KEYLESS-GO.
The interior motion sensor is primed after approximately 10 seconds.

Switching off

▶ Unlock the vehicle with the key or KEYLESS-GO.

or

▶ Insert the key into the ignition lock.
The interior motion sensor is automatically switched off.

Deactivating

You can deactivate the interior motion sensor via the multimedia system (see the separate operating instructions).

Useful information

ⓘ This Owner's Manual describes all models, series and optional equipment for your vehicle that were available at the time of going to press. National variations are possible. Note that your vehicle may not be equipped with all of the functions described. This is also the case for systems and functions relevant to safety.

ⓘ Read the information on qualified specialist workshops: (▷ page 30).

Key

Important safety notes

United Kingdom only:

⚠ **WARNING**

When the double locks are activated, the doors can no longer be opened from the inside. People in the vehicle can no longer get out, e.g. in hazardous situations. There is a risk of injury.

Therefore, do not leave any people unsupervised in the vehicle, particularly children, elderly people or people in need of special assistance. Do not activate the double lock when people are in the vehicle.

If the vehicle has been locked from the outside, the double lock function is activated as standard. It is then not possible to open the doors from inside the vehicle. You can deactivate the double lock function by deactivating the interior motion sensor . The doors can then be opened from the inside after the vehicle has been locked from the outside. The anti-theft alarm system is triggered if the door is opened from the inside. Switch off the alarm (▷ page 84).

All countries:

⚠ **WARNING**

If children are left unsupervised in the vehicle, they can:

- open doors and endanger other persons or road users
- climb out and be injured by the traffic
- operate vehicle equipment and, for example, trap themselves.

Children could also set the vehicle in motion, for example by:

- releasing the parking brake
- shifting the automatic transmission out of park position **P**
- starting the engine.

There is a risk of an accident and injury.

When leaving the vehicle, always take the key with you and lock the vehicle. Never leave children unattended in the vehicle. Always keep the key out of reach of children.

⚠ **WARNING**

If you attach heavy or large objects to the key, the key could be unintentionally turned in the ignition lock. This could cause the engine to be switched off. There is a risk of an accident.

Do not attach any heavy or large objects to the key. Remove any bulky keyrings before inserting the key into the ignition lock.

❗ Keep the key away from strong magnetic fields. Otherwise, the remote control function could be affected.

Strong magnetic fields can occur in the vicinity of powerful electrical installations.

Do not keep the key:

- with electronic devices, e.g. a mobile phone or another key
- with metallic objects, e.g. coins or metal film
- inside metallic objects, e.g. a metal case

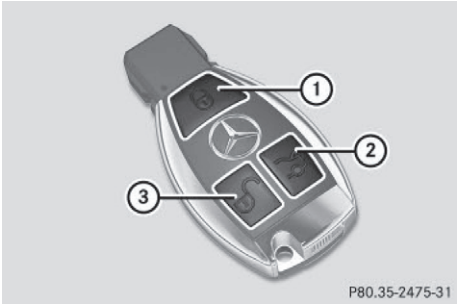
This can affect the key's functionality.

Do not keep the key in the temperature-controlled cup holder (▷ page 375). On vehicles with the KEYLESS-GO start function, do not keep it on the parcel shelf or in the boot. Otherwise, the key may not be detected, e.g. when starting the engine using the Start/Stop button.

A check which periodically establishes a radio connection between the vehicle and the key determines whether a valid key is in the vehicle. This occurs, for example:

- when starting the engine
- whilst driving
- when using HANDS-FREE ACCESS
- when the external door handles are touched
- during convenience closing

Key functions



① Locks the vehicle
② Opens/closes the boot lid
③ Unlocks the vehicle

▶ **To unlock centrally:** press the button.

If you do not open the vehicle within approximately 40 seconds of unlocking:

- the vehicle locks again
- protection against theft is reactivated

▶ **To lock centrally:** press the button.

The key centrally locks and unlocks the following components:

- the doors
- the boot lid
- the fuel filler flap

When unlocking, the turn signals flash once. When locking, they flash three times.

You can also set an audible signal to confirm that the vehicle has been locked. The audible signal can be activated and deactivated via the multimedia system; see the separate operating instructions.

Only when all the components have been locked, does the optical or acoustic locking confirmation sound.

When the locator lighting is activated via the multimedia system, it lights up when it is dark after the vehicle is unlocked with the key. Information on activating and deactivating the locator lighting can be found in the separate operating instructions.

▶ **To open the boot lid automatically from outside the vehicle:** press and hold the button until the boot lid opens.

▶ **To close the boot lid automatically from outside the vehicle:** if the key is located in the immediate vicinity of the vehicle, press the button on the key.
When the boot lid closes you can then release the button.

KEYLESS-GO

General notes

Bear in mind that the engine can be started by any of the vehicle occupants if there is a key in the vehicle (▷ page 177).

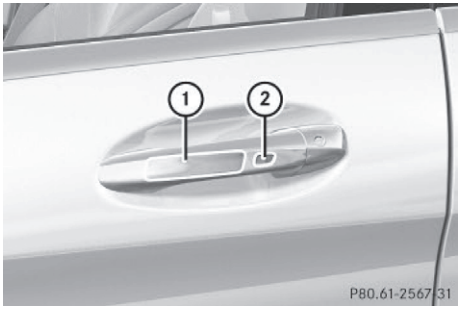
Locking and unlocking centrally

You can start, lock or unlock the vehicle using KEYLESS-GO. To do this, you need to carry the key with you. You can combine the KEYLESS-GO functions with the functions of a conventional key. Unlock the vehicle by using KEYLESS-GO, for instance, and lock it using the button on the key.

The driver's door and the door at which the handle is used must both be closed. The key must be outside the vehicle. When locking or unlocking with KEYLESS-GO, the distance between the key and the corresponding door handle must not be greater than 1 m.

A brief radio connection between the vehicle and the key determines whether a valid key is in, or in the direct vicinity of, the vehicle. This occurs, for example:

- when starting the engine
- whilst driving
- when using HANDS-FREE ACCESS
- when the external door handles are touched
- during convenience closing



- ▶ **To unlock the vehicle:** touch the inner surface of the door handle.
- ▶ **To lock the vehicle:** touch sensor surface ① or ②.

  Make sure that you do not touch the inner surface of the door handle.
- ▶ **Convenience closing feature:** touch recessed sensor surface ② for an extended period.

  For further information on the convenience closing feature (▷ page 103).
- ▶ **To unlock the boot lid:** pull the boot lid handle.

Deactivating and activating

If you do not intend to use a key for an extended period of time, you can deactivate the KEYLESS-GO function of the key. The key will then use very little power, thereby conserving battery power. For the purposes of activation or deactivation, the vehicle does not have to be nearby.

- ▶ **To deactivate:** press the button on the key twice in rapid succession.
  The battery check lamp (▷ page 90) of the key flashes twice briefly and lights up once; KEYLESS-GO is then deactivated.
- ▶ **To activate:** press any button on the key.

or

- ▶ Insert the key into the ignition lock.
  KEYLESS-GO and all of its associated features are available again.

KEYLESS-GO start function

General notes

Bear in mind that the engine can be started by any of the vehicle occupants if there is a key in the vehicle (▷ page 177).

Changing the settings of the locking system

You can change the settings of the locking system. This means that only the driver's door and the fuel filler flap are unlocked when the vehicle is unlocked. This is useful if you frequently travel alone.

- ▶ **To change the setting:** press and hold down the and buttons simultaneously for about six seconds until the battery indicator lamp flashes twice (▷ page 90).

If the setting of the locking system is changed within the signal range of the vehicle, pressing the or button:

- locks or
- unlocks the vehicle

The key now functions as follows:

- ▶ **To unlock:** press the button once.
- ▶ **To unlock centrally:** press the button twice.
- ▶ **To lock:** press the button.

The KEYLESS-GO function is changed as follows:

- ▶ **To unlock the driver's door:** touch the inner surface of the door handle on the driver's door.
- ▶ **To unlock centrally:** touch the inner surface of the door handle on the front-passenger door or the rear door.
- ▶ **To lock centrally:** touch the outer sensor surface on one of the door handles.
- ▶ **To restore the factory settings:** press and hold down the and buttons simultaneously for approximately six seconds until the battery check lamp flashes twice (▷ page 90).

Emergency key element

General notes

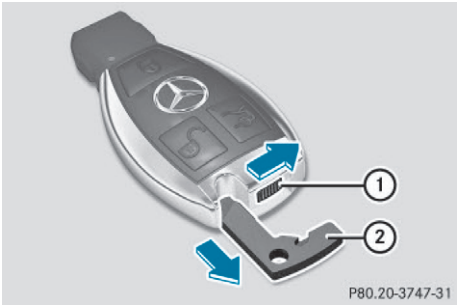
If the vehicle can no longer unlocked with the key or KEYLESS-GO, use the emergency key element.

If you use the emergency key element to unlock and open the driver's door, the anti-theft alarm system will be triggered. Switch off the alarm (▷ page 84).

If you unlock the vehicle using the emergency key element, the fuel filler flap will not be unlocked automatically.

▶ **To unlock the fuel filler flap:** insert the key into the ignition lock.

Removing the emergency key element



▶ Push release catch ① in the direction of the arrow and, at the same time, remove emergency key element ② from the key.

For further information about:

- unlocking the driver's door (▷ page 95)
- unlocking the boot (▷ page 101)
- locking the vehicle (▷ page 96)

Inserting the emergency key element

▶ Push emergency key element ② completely into the key until it engages and release catch ① is back in its basic position.

Battery of the key

Important safety notes

⚠ WARNING

Batteries contain toxic and corrosive substances. If batteries are swallowed, it can result in severe health problems. There is a risk of fatal injury.

Keep batteries out of the reach of children. If a battery is swallowed, seek medical attention immediately.

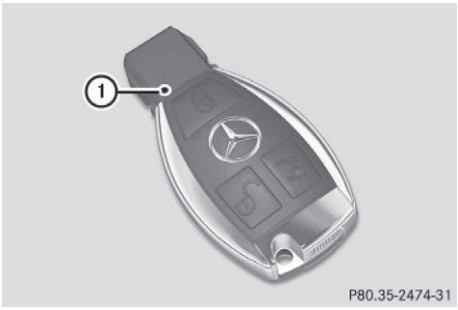
Environmental note

Batteries contain pollutants. It is illegal to dispose of them with the household rubbish. They must be collected separately and disposed of in an environmentally responsible recycling system.

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

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

Checking the battery



▶ Press the [🔒] or [🔓] button.
The battery is OK if battery check lamp ① lights up briefly.

The battery is discharged if battery check lamp ① does not light up briefly.

▶ Replace the battery (▷ page 91).

If the key battery is checked within the signal reception range of the vehicle, pressing the [🔒] or [🔓] button:

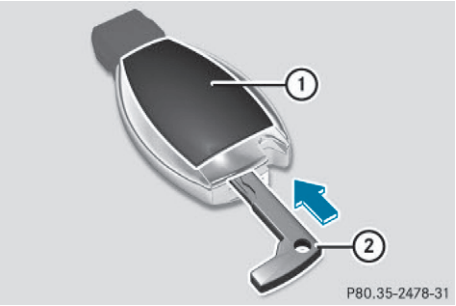
- locks or
- unlocks the vehicle

ⓘ You can obtain a battery from any qualified specialist workshop.

Replacing the battery

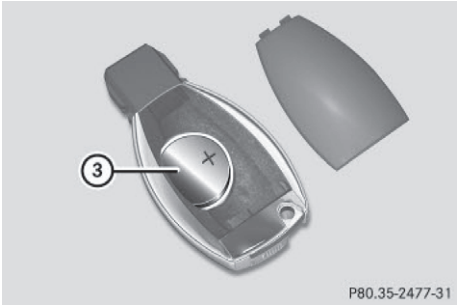
You require a CR 2025 3 V cell battery.

▶ Take the emergency key element out of the key (▷ page 90).



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

▶ Remove battery compartment cover ①.



▶ Repeatedly tap the key against your palm until battery ③ falls out.

▶ Insert the new battery with the positive terminal facing upwards. Use a lint-free cloth to do so.

▶ Make sure that the surface of the battery is free of lint, grease and other contamination.

▶ Insert the front tabs of battery compartment cover ① into the housing and then press to close it.

▶ Insert emergency key element ② into the key (▷ page 90).

▶ Check the function of all key buttons on the vehicle.

Problems with the key

Problem	Possible causes/consequences and ▶ Solutions
You can no longer lock or unlock the vehicle using the key.	The key battery is discharged or nearly discharged. ▶ Check the key battery (▷ page 90) and replace it if necessary (▷ page 91). If this does not work: ▶ Lock (▷ page 95) or unlock (▷ page 96) the vehicle using the emergency key element.
	There is interference from a powerful source of radio waves. ▶ Lock (▷ page 95) or unlock (▷ page 96) the vehicle using the emergency key element.

Problem	Possible causes/consequences and ▶ Solutions
	The key is faulty. ▶ Lock (▷ page 95) or unlock (▷ page 96) the vehicle using the emergency key element. ▶ Have the key checked at a qualified specialist workshop.
You can no longer lock or unlock the vehicle using KEYLESS-GO.	KEYLESS-GO was deactivated. ▶ Reactivate KEYLESS-GO (▷ page 88).
	The key battery is discharged or nearly discharged. ▶ Check the key battery (▷ page 90) and replace it if necessary (▷ page 91). If this does not work: ▶ Lock (▷ page 95) or unlock (▷ page 96) the vehicle using the emergency key element.
	There is interference from a powerful source of radio waves. ▶ Lock (▷ page 95) or unlock (▷ page 96) the vehicle using the emergency key element.
	There is a fault with KEYLESS-GO. ▶ Lock/unlock the vehicle using the remote control function of the key. ▶ Have the vehicle and key checked at a qualified specialist workshop. If the vehicle can also not be locked/unlocked using the remote control function: ▶ Lock (▷ page 95) or unlock (▷ page 96) the vehicle using the emergency key element. ▶ Have the vehicle and key checked at a qualified specialist workshop.
The engine cannot be started using the key.	the on-board voltage is too low ▶ Switch off non-essential consumers, e.g. seat heating or interior lighting, and try to start the engine again. If this does not work: ▶ Check the starter battery and charge it if necessary (▷ page 416). or ▶ Jump-start the vehicle (▷ page 417). or ▶ Consult a qualified specialist workshop.
The engine cannot be started using the Start/Stop button. The key is in the vehicle.	The vehicle is locked. ▶ Unlock the vehicle and try to start the vehicle again.

Problem	Possible causes/consequences and ▶ Solutions
	The key battery is discharged or nearly discharged. ▶ Check the key battery (▷ page 90) and replace it if necessary (▷ page 91). If this does not work: ▶ Start your vehicle with the key in the ignition lock.
	There is interference from a powerful source of radio waves. ▶ Start your vehicle with the key in the ignition lock.
You have lost a key.	▶ Have the key deactivated at a qualified specialist workshop. ▶ Report the loss immediately to the vehicle insurers. ▶ If necessary, have the locks changed as well.
You have lost the emergency key element.	▶ Report the loss immediately to the vehicle insurers. ▶ If necessary, have the locks changed as well.

Doors

Important safety notes

United Kingdom only:

⚠ WARNING

When the double locks are activated, the doors can no longer be opened from the inside. People in the vehicle can no longer get out, e.g. in hazardous situations. There is a risk of injury.

Therefore, do not leave any people unsupervised in the vehicle, particularly children, elderly people or people in need of special assistance. Do not activate the double lock when people are in the vehicle.

If the vehicle has been locked from the outside, the double lock function is activated as standard. It is then not possible to open the doors from inside the vehicle. You can deactivate the double lock function by deactivating the interior motion sensor . The doors can then be opened from the inside after the vehicle has been locked from the outside. The anti-theft alarm system is triggered if the door is opened from the inside. Switch off the alarm (▷ page 84).

All countries:

⚠ WARNING

If children are left unsupervised in the vehicle, they can:

- open doors and endanger other persons or road users
- climb out and be injured by the traffic
- operate vehicle equipment and, for example, trap themselves.

Children could also set the vehicle in motion, for example by:

- releasing the parking brake
- shifting the automatic transmission out of park position **P**
- starting the engine.

There is a risk of an accident and injury.

When leaving the vehicle, always take the key with you and lock the vehicle. Never leave children unattended in the vehicle. Always keep the key out of reach of children.

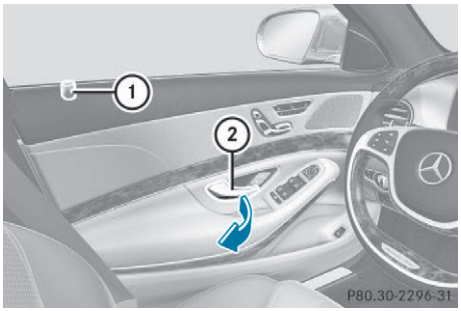
Unlocking and opening the doors from the inside

United Kingdom only: if the vehicle has been locked with the key or with KEYLESS-GO, the double lock function is activated as standard. It is then not possible to open the doors from

inside the vehicle. You can deactivate the double lock function by deactivating the interior motion sensor . The doors can then be opened from the inside after the vehicle has been locked from the outside. You can only open the rear doors from inside the vehicle if they are not secured by the child-proof locks (▷ page 73). The anti-theft alarm system is triggered if the door is opened from the inside. Switch off the alarm (▷ page 84).

For all countries except the United Kingdom:

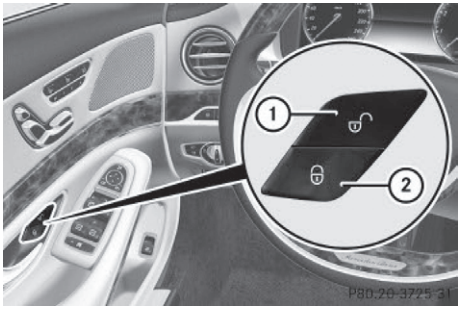
You can open a door from inside the vehicle even if it has been locked. You can only open the rear doors from inside the vehicle if they are not secured by the child-proof locks (▷ page 73). If the vehicle has previously been locked with the key or with KEYLESS-GO, opening a door from the inside will trigger the anti-theft alarm system. Switch off the alarm (▷ page 84).



▶ Pull door handle ②.
If the door is locked, locking knob ① pops up. The door is unlocked and opens.

Centrally locking and unlocking the vehicle from the inside

You can centrally lock and unlock the vehicle from the inside. The buttons are located on both front doors.



▶ **To unlock:** press button ①.

▶ **To lock:** press button ②.
If the front-passenger door is closed, the vehicle locks.

If the driver's door is open, the door stays unlocked.

This does not lock or unlock the fuel filler flap.

You cannot unlock the vehicle centrally from the inside if the vehicle has been locked with the key or KEYLESS-GO.

For all countries except the United Kingdom:

The doors can be opened from the inside. You can only open the rear doors from inside the vehicle if they are not secured by the child-proof locks (▷ page 73).

If the vehicle has previously been locked with the key or with KEYLESS-GO, opening a door from the inside will trigger the anti-theft alarm system. Switch off the alarm (▷ page 84).

United Kingdom only: if the vehicle has been locked with the key or with KEYLESS-GO, the double lock function is activated as standard. It is then not possible to open the doors from inside the vehicle. You can deactivate the double lock function by deactivating the interior motion sensor . It is then possible to operate the doors as follows. The doors can be opened from the inside. You can only open the rear doors from inside the vehicle if they are not secured by the child-proof locks (▷ page 73).

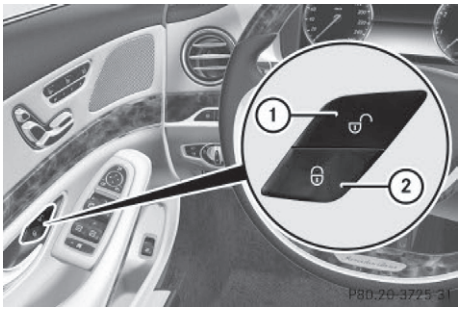
When a locked door is opened from inside the vehicle, the previous unlocking process will be observed if the vehicle has been:

- locked with the locking button for the central locking or
- locked automatically

The vehicle will be fully unlocked if it had previously been fully unlocked. Only the door which has been opened from the inside is unlocked if

only the driver's door had been previously unlocked.

Automatic locking feature



- ▶ **To deactivate:** press and hold button ① for approximately five seconds until a tone sounds.
- ▶ **To activate:** press and hold button ② for approximately five seconds until a tone sounds.

If you press one of the two buttons and do not hear a tone, the relevant setting has already been selected.

The vehicle is locked automatically when the ignition is switched on and the wheels are turning.

Therefore, you could be locked out if:

- the vehicle is being pushed
- the vehicle is being towed
- the vehicle is being tested on a dynamometer

You can also switch the automatic locking function on and off using the multimedia system; see the separate operating instructions.

Power closing

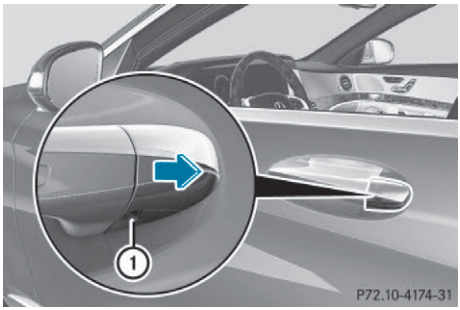
Power closing pulls the doors and boot lid into their locks automatically even if they are only partly closed.

- ▶ **To power close a door:** push the door into the lock up to the first detent position. Power closing will pull the door fully closed.
- ▶ **To power close the boot lid:** lightly push the boot lid closed. The power closing function pulls the boot lid closed.

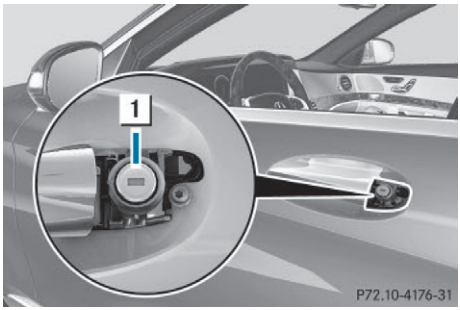
Unlocking the driver's door (emergency key element)

If the vehicle can no longer be unlocked with the key or KEYLESS-GO, use the emergency key element.

- ▶ Take the emergency key element out of the key (▷ page 90).



- ▶ Insert the emergency key element into opening ① in the protective cap.
- ▶ Pull and hold the door handle.
- ▶ Pull the protective cap on the emergency key as straight as possible away from the vehicle until it releases.
- ▶ Release the door handle.



- ▶ Insert the emergency key element into the lock of the driver's door as far as it will go.
- ▶ Turn the emergency key element anti-clockwise as far as it will go to position 1. The locking knob pops up and the door unlocks.

On right-hand-drive vehicles, turn the emergency key element clockwise.

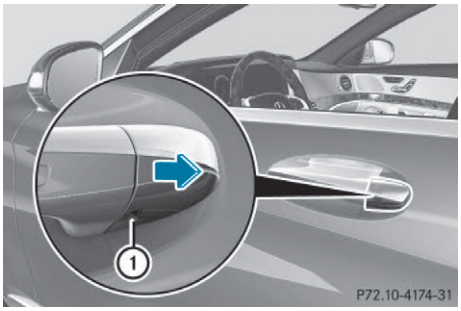
- ▶ Turn the emergency key element back and remove it.
- ▶ Insert emergency key element into the key (▷ page 90).
- ▶ Carefully press the protective cap onto the lock cylinder until it engages and is seated firmly. Do not pull the door handle when doing so.

If you use the emergency key element to unlock and open the driver's door, the anti-theft alarm system will be triggered. Switch off the alarm (▷ page 84).

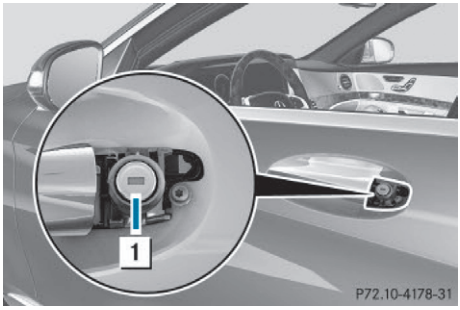
Locking the vehicle (emergency key element)

If the vehicle can no longer be locked with the key or KEYLESS-GO, use the emergency key element.

- ▶ Open the driver's door.
- ▶ Close the front-passenger door, the rear doors and the boot lid.
- ▶ Press the locking button (▷ page 94).
- ▶ Check whether the locking knobs on the front-passenger door and the rear doors are still visible. Press the locking knobs down by hand if necessary.
- ▶ Close the driver's door.
- ▶ Take the emergency key element out of the key (▷ page 90).



- ▶ Insert the emergency key element into opening ① in the protective cap.
- ▶ Pull and hold the door handle.
- ▶ Pull the protective cap on the emergency key as straight as possible away from the vehicle until it releases.
- ▶ Release the door handle.



- ▶ Insert the emergency key element into the lock of the driver's door as far as it will go.
- ▶ Turn the emergency key element clockwise as far as it will go to position 1.
  The locking knob drops down and the driver's door is locked.

On right-hand-drive vehicles, turn the emergency key element anti-clockwise.

- ▶ Turn the emergency key element back and remove it.
- ▶ Make sure that the doors and the boot lid are locked.
- ▶ Insert the emergency key element into the key (▷ page 90).
- ▶ Carefully press the protective cap onto the lock cylinder until it engages and is seated firmly. Do not pull the door handle when doing so.

If you lock the vehicle as described above, the fuel filler flap is not locked. The anti-theft alarm system is not primed.

Boot

Important safety notes

⚠ WARNING

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

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

⚠ WARNING

If objects, luggage or loads are not secured or not secured sufficiently, they could slip, tip over or be flung around and thereby hit vehicle occupants. There is a risk of injury, especially when braking or abruptly changing directions.

Always store objects so that they cannot be flung around. Secure objects, luggage or loads against slipping or tipping before the journey.

! The boot lid swings upwards when opened. Therefore, make sure that there is sufficient clearance above the boot lid.

The opening dimensions of the boot lid can be found in the "Vehicle data" section (▷ page 474).

Do not leave the key in the boot. You could otherwise lock yourself out.

Stow luggage or loads preferably in the boot. Observe the loading guidelines (▷ page 365).

Obstacle detection with boot lid reversing feature

Vehicles with boot lid remote closing feature:the boot lid is equipped with automatic obstacle detection with reversing feature. If a solid object blocks or restricts the boot lid when automatically opening or closing, this procedure is stopped. If the boot lid is stopped during the closing procedure, it will open again automatically. The automatic obstacle recognition with reversing function is only an aid. It is not a substitute for your attentiveness when opening and closing the boot lid.

⚠ WARNING

The reversing function does not react:

- to soft, light and thin objects, e.g. small fingers
- over the last 8 mm of the closing path

This means that the reversing feature cannot prevent someone being trapped in these situations. There is a risk of injury.

When closing make sure that no parts of the body are in the closing area.

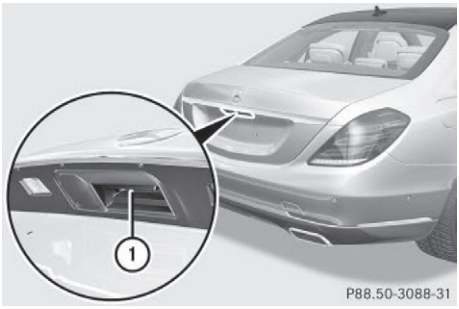
If someone is trapped:

- press the [⇝] button on the key, or
- press the remote operating switch on the driver's door, or
- press the closing or locking button on the boot lid, or
- pull the boot lid handle

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

Opening and closing manually

Opening

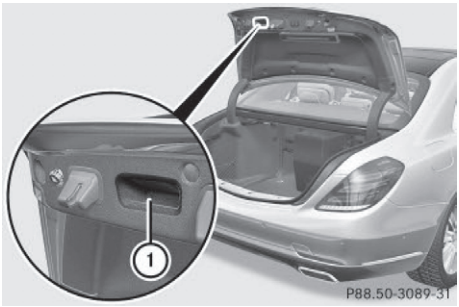


▶ Press the [⇝] button on the key.

or

▶ Pull handle ①.
The boot lid opens.

Closing



▶ Pull the boot lid down using recess ①.

Vehicles with boot lid remote closing feature or power closing:

- ▶ Lightly push the boot lid closed.
  The power closing function pulls the boot lid closed.
- ▶ Lock the vehicle if necessary with the button on the key or with KEYLESS-GO (▷ page 88).

ⓘ If KEYLESS-GO detects a key in the boot, the boot lid cannot be locked. It then opens again.

Opening/closing automatically from the outside

Important safety notes

⚠ **WARNING**

Parts of the body could become trapped during automatic closing of the boot lid. Moreover, people, e.g. children, may be standing in the closing area or may enter the closing area during the closing process. There is a risk of injury.

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
- pull or 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

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

⚠ **WARNING**

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

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

❗ The boot lid swings upwards when opened. Therefore, make sure that there is sufficient clearance above the boot lid.

The opening dimensions of the boot lid can be found in the "Vehicle data" section (▷ page 474).

Opening

You can open the boot lid automatically using the key or the handle in the boot lid.

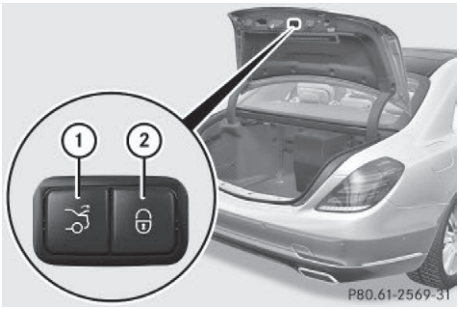
- ▶ Press and hold the button on the key until the boot lid opens.

or

- ▶ If the boot is unlocked, pull the boot lid handle and release it again immediately.

Closing

You can close the boot lid automatically using the key or the closing button in the boot lid.



- ▶ Press and release closing button ① on the boot lid.

or

- ▶ If the key is located in the immediate vicinity of the vehicle: press the button on the key.
  You can release the button as soon as the boot lid starts to close.
- ▶ **To stop the closing process:**
  - Press the button on the key or
  - Pull the boot lid handle, or
  - Press closing button ① or locking button ② on the boot lid, or

- Press the remote operating switch on the driver's door, or
- In vehicles with HANDS-FREE ACCESS: kick into the sensor detection range under the bumper with your foot.

i If the button on the key is pressed or HANDS-FREE ACCESS is initiated after the closing process is stopped, the boot lid opens.

Vehicles with boot lid remote closing feature and KEYLESS-GO: when all the doors are closed, you can simultaneously close the boot lid and lock the vehicle. The key must be located to the rear of the vehicle.

▶ Press and release locking button ② on the boot lid.
If a KEYLESS-GO key is detected outside the vehicle, the boot lid closes and the vehicle locks.

If KEYLESS-GO detects a second key outside the vehicle, the boot lid remains closed.

If KEYLESS-GO detects a key in the boot, the boot lid opens again after it is closed.

HANDS-FREE ACCESS

Important safety notes

⚠ WARNING

The vehicle exhaust system can become very hot. If you use HANDS-FREE ACCESS, you could burn yourself by touching the exhaust system. There is a risk of injury. Always ensure that you only make a leg movement within the detection range of sensors.

! If the key is within the rear detection range of KEYLESS-GO, the following situations, for example, could lead to the boot lid opening unintentionally:

- using a car wash
- using a high-pressure cleaner

Make sure that the key is at least 3 m away from the vehicle.

General notes

With KEYLESS-GO and HANDS-FREE ACCESS, you can open or close the boot lid or stop the procedure without using your hands. This is useful if you have your hands full. To do this, make a kicking movement under the bumper with your foot.

Observe the following points:

- Carry your KEYLESS-GO key about your person. The KEYLESS-GO key must be in the rear detection range of the vehicle.
- When making the kicking movement, make sure that you are standing firmly on the ground and that there is sufficient clearance to the rear of the vehicle. You could otherwise lose your balance, e.g. on ice.



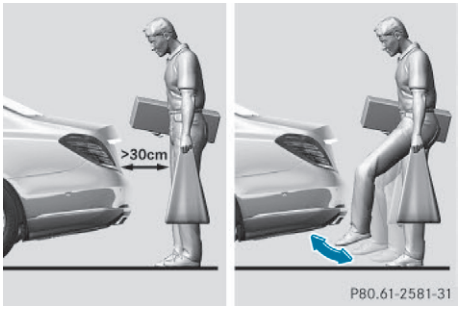
- Always ensure that you only make a kicking movement within the detection range of sensors ①.
- Stand at least 30 cm away from the rear area while doing so.
- Do not come into contact with the bumper while making the kicking movement. Otherwise, the sensors may not function correctly.
- HANDS-FREE ACCESS does not function when the engine is started.
- Dirt caused by road salt around sensors ① may restrict functionality.
- Using HANDS-FREE ACCESS with a prosthetic leg may restrict functionality.
- If a KEYLESS-GO key is within the rear detection range of KEYLESS-GO, HANDS-FREE ACCESS could be triggered. The boot lid could

thus be opened or closed unintentionally, for example, if you:

- sit on the edge of the boot
- set down or lift up an object behind the vehicle
- move the charging cable through the detection range of the sensors
- fold the ball coupling in or out
- couple or uncouple a trailer
- fit or remove a rear-mounted bicycle rack
- load/unload bicycles on/from a rear-mounted bicycle rack
- polish the rear of the vehicle

Do not carry the KEYLESS-GO key about your person in such situations. This will prevent the unintentional opening/closing of the boot.

Operation



▶ **To open/close:** kick into sensor detection range ① under the bumper with your foot. A warning tone will sound while the boot lid is opening or closing.

▶ **If the boot lid does not open/close after several attempts:** wait at least ten seconds then kick under the bumper once again.

If you hold your foot under the bumper for too long, the boot lid does not open or close. Repeat the kicking movement more quickly if this occurs.

To stop the opening or closing procedure:

- kick with your leg in the sensor detection range ① under the bumper or
- pull the handle on the outside of the boot lid, or
- press the closing button on the boot lid, or
- press the button on the key

If the boot lid closing procedure has been stopped:

- move your foot under the bumper again and the boot lid will open

If the boot lid opening procedure has been stopped:

- move your foot under the bumper again and the boot lid will close

Opening and closing automatically from the inside

Important safety notes

⚠ WARNING

The reversing function does not react:

- to soft, light and thin objects, e.g. small fingers
- over the last 8 mm of the closing path

This means that the reversing feature cannot prevent someone being trapped in these situations. There is a risk of injury.

When closing make sure that no parts of the body are in the closing area.

If someone is trapped:

- press the button on the key, or
- press the remote operating switch on the driver's door, or
- press the closing or locking button on the boot lid, or
- pull the boot lid handle

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

⚠ WARNING

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

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

! The boot lid swings upwards when opened. Therefore, make sure that there is sufficient clearance above the boot lid.

The opening dimensions of the boot lid can be found in the "Vehicle data" section (▷ page 474).

Opening and closing



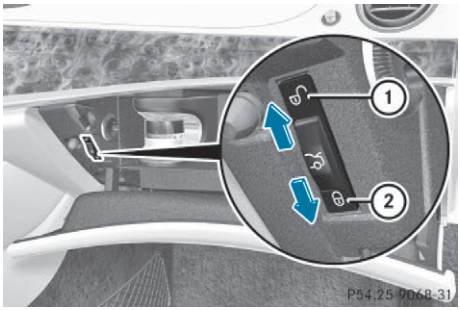
- ▶ **To open:** pull remote operating switch ① for the boot lid until the boot lid opens.
- ▶ **To close:** press and hold remote operating switch ① for the boot lid until the boot lid is completely closed.

When the vehicle is stationary, you can close the boot lid from the driver's seat. When the vehicle is also unlocked, you can also open the boot lid from inside.

Locking the boot separately

The separate boot locking function is only available in certain countries.

You can lock the boot separately. If you then unlock the vehicle centrally, the boot remains locked and cannot be opened.



Activating the function to lock the boot separately:

- ▶ Close the boot lid.
- ▶ Open the glove compartment.
- ▶ Push the switch to position ②.
  If the vehicle is unlocked centrally, the boot remains locked.

i You can also lock the glove compartment (▷ page 366).

Deactivating the function to lock the boot separately:

- ▶ Open the glove compartment.
- ▶ Push the switch to position ①.
  If the vehicle is unlocked centrally, the boot will also be unlocked.

Unlocking the boot (emergency key element)

! The boot lid swings upwards when opened. Therefore, make sure that there is sufficient clearance above the boot lid.

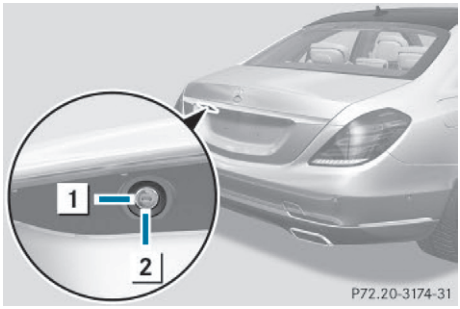
If the boot lid can no longer be unlocked:

- using the key, or
- using HANDS-FREE ACCESS, or
- using the remote operating switch in the door control panel:

  use the emergency release.

If you use the emergency key element to unlock and open the boot lid, the anti-theft alarm system will be triggered. Switch off the alarm (▷ page 84).

- ▶ Take the emergency key element out of the key (▷ page 90).
- ▶ Insert the emergency key element into the boot lid lock as far as the stop.



- ▶ Turn the emergency key element from position 1 anti-clockwise as far as it will go to position 2.
  The boot is unlocked.
- ▶ Turn the emergency key element back to position 1 and remove it.
- ▶ Insert the emergency key element into the key (▷ page 90).

Side windows

Important safety notes

⚠ WARNING

While opening the side windows, body parts could become trapped between the side window and the door frame as the side window moves. There is a risk of injury.

Make sure that nobody touches the side window during the opening procedure. If somebody becomes trapped, release the switch or pull the switch to close the side window again.

⚠ WARNING

While closing the side windows, body parts in the closing area could become trapped. There is a risk of injury.

When closing make sure that no parts of the body are in the closing area. If somebody becomes trapped, release the switch or press the switch to open the side window again.

⚠ WARNING

If children operate the side windows they could become trapped, particularly if they are left unsupervised. There is a risk of injury.

Activate the override feature 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.

Side window reversing feature

The side windows are equipped with an automatic reversing feature. If a solid object blocks or restricts a side window from travelling upwards during the automatic closing process, the side window opens again automatically. During the manual closing process, the side window only opens again automatically after the corresponding switch is released. The automatic reversing feature is only an aid and is no substitute for your attention when closing a side window.

⚠ WARNING

The reversing function does not react:

- to soft, light and thin objects, e.g. small fingers
- while resetting

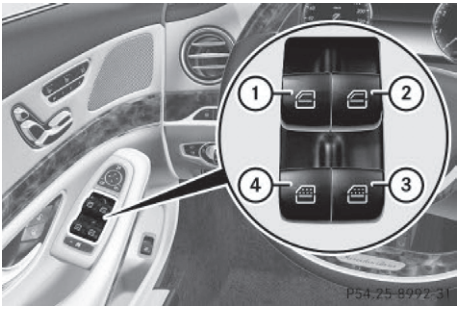
This means that the reversing feature cannot prevent someone being trapped in these situations. There is a risk of injury.

When closing, make sure that no parts of the body are in the closing area. If someone becomes trapped, press the switch to open the side window again.

Opening and closing the side windows

The switches for all side windows are located on the driver's door. There is also a switch on each door for the corresponding side window.

The switches on the driver's door take precedence.



① Front left
② Front right
③ Rear right
④ Rear left

- ▶ Turn the key to position **1** or **2** in the ignition lock.
- ▶ **To open manually:** press and hold the corresponding button.
- ▶ **To open fully:** press the button beyond the point of resistance and release it.
  Automatic operation is started.
- ▶ **To close manually:** pull and hold the corresponding button.
- ▶ **To close fully:** pull the corresponding button beyond the point of resistance.
  Automatic operation is started.
- ▶ **To interrupt automatic operation:** press/pull the corresponding switch again.

If you press/pull the switch beyond the point of resistance and release, automatic operation is started in the corresponding direction. You can stop automatic operation by pressing/pulling again.

You can continue to operate the side windows after switching off the engine or removing the key. This function remains active for five minutes or until you open a front door.

The side windows cannot be operated from the rear when the override feature for the side windows is activated (▷ page 74).

Before opening or closing the side windows, a check is carried out to see whether a valid key is in the vehicle. The check is carried out if you use the start/stop button instead of a key in the ignition and you press or pull a button while the engine is switched off. This is achieved by means of a brief radio connection between the vehicle and the key.

Information on opening and closing the roller sunblinds on the rear side windows (▷ page 376).

Convenience opening feature

General notes

If the key is in close proximity to the vehicle, the convenience opening function is available.

You can ventilate the vehicle before you start driving.

To do this, the key is used to carry out the following functions simultaneously:

- unlock the vehicle
- open the side windows
- open the panorama sliding sunroof and the roller sunblinds
- switch on the seat ventilation for the driver's seat

The "convenience opening" feature is also available when the vehicle is unlocked.

Convenience opening feature

- ▶ Press and hold the button until the side windows and the panorama sliding sunroof are in the desired position.
  If the roller sunblinds of the panorama sliding sunroof are closed, the roller sunblinds are opened first.
- ▶ Keep the button pressed until the panorama sliding sunroof is in the desired position.
- ▶ **To interrupt convenience opening:** release the button.

Convenience closing feature

Important safety notes

⚠ WARNING

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. There is a risk of injury.

Observe the complete closing procedure when the convenience closing feature is operating. When closing make sure that no parts of the body are in the closing area.

When you lock the vehicle, you can simultaneously:

- close the side windows
- close the panorama sliding sunroof

On vehicles with a panorama sliding sunroof, you can then close the roller sunblinds.

ⓘ Notes on the automatic reversing feature for:

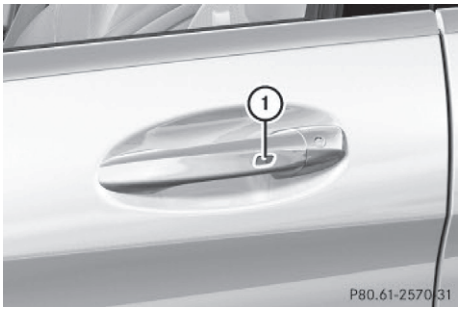
- the side windows (▷ page 102)
- the panorama sliding sunroof (▷ page 106)
- the roller sunblinds (▷ page 107)

Using the key

- Press and hold the button until the side windows and the panorama sliding sunroof are fully closed.
- Make sure that all the side windows and the panorama sliding sunroof are closed.
- **On vehicles with a panorama sliding sunroof:** press and hold the button again until the roller sunblinds of the panorama sliding sunroof close.
- **To interrupt convenience closing:** release the button.

Using KEYLESS-GO

The key must be outside the vehicle. All the doors must be closed.



- Touch recessed sensor surface ① on the door handle until the side windows and the panorama sliding sunroof are fully closed.

Make sure you only touch recessed sensor surface ①.

- Make sure that all the side windows and the panorama sliding sunroof are closed.
- **Vehicles with a panorama sliding sunroof:** touch recessed sensor surface ① on the door handle again until the roller sunblinds of the panorama sliding sunroof close.
- **To interrupt convenience closing:**release recessed sensor surface ① on the door handle.

Resetting the side windows

If a side window can no longer be closed fully, you must reset it.

- Close all doors.
- Turn the key to position **1** or **2** in the ignition lock.
- Pull the corresponding switch on the door control panel until the side window is completely closed (▷ page 102).
- Hold the switch for an additional second.

If the side window opens again slightly:

- Immediately pull the corresponding switch on the door control panel until the side window is completely closed (▷ page 102).
- Hold the switch for an additional second.
- If the corresponding side window remains closed after the button has been released, the side window has been reset correctly. If this is not the case, repeat the steps above again.

Problems with the side windows

⚠ WARNING

If you close a side window again immediately after it has been blocked or reset, the side window closes with increased or maximum force. The reversing function is then not active. Parts of the body could be trapped in the closing area in the process. This poses an increased risk of injury or even fatal injury.

Make sure that no parts of the body are in the closing area. To stop the closing process, release the switch or push the switch again to reopen the side window.

Problem	Possible causes/consequences and ▶ Solutions
A side window cannot be closed because it is blocked by objects, e.g. leaves in the window guide.	▶ Remove the objects. ▶ Close the side window.
A side window cannot be closed and you cannot see the cause.	If a side window is obstructed during closing and reopens again slightly: ▶ Immediately after the window blocks, pull the corresponding switch again until the side window has closed. The side window is closed with increased force. If a side window is obstructed again during closing and reopens again slightly: ▶ Immediately after the window blocks, pull the corresponding switch again until the side window has closed. The side window is closed without the automatic reversing feature.

Panorama sliding sunroof

Important safety notes

In this section, the term "sliding sunroof" refers to the panorama sliding sunroof.

⚠ WARNING

While opening and closing the sliding sunroof, body parts in close proximity could become trapped. There is a risk of injury.

Make sure that no body parts are in close proximity during the opening and closing procedures.

If somebody becomes trapped:

- release the switch immediately, or
- during automatic operation, press the switch briefly in any direction

The opening or closing procedure will be stopped.

⚠ WARNING

If children operate the sliding sunroof they could become trapped, particularly if they are left unsupervised. There is a risk of injury.

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

⚠ WARNING

At high speeds the raised sliding sunroof automatically lowers slightly at the rear. This could trap you or other persons. There is a risk of injury. Make sure that nobody reaches into the sweep of the sliding sunroof whilst the vehicle is in motion.

If somebody becomes trapped, immediately push the sliding sunroof switch up or pull it back. The sliding sunroof raises at the rear.

! Only open the panorama sliding sunroof if it is free of snow and ice. Otherwise, malfunctions may occur.

Do not allow anything to protrude from the sliding sunroof. Otherwise, the seals could be damaged.

! When the sliding sunroof is open, water can get into the vehicle and cause damage. The vehicle electronics can be damaged if water enters the vehicle interior. Only clean the sliding sunroof when it is closed.

Resonance noises can occur in addition to the usual airflow noises when the sliding sunroof is open. They are caused by minor pressure fluctuations in the vehicle interior. Change the position of the sliding sunroof or open a side window slightly to reduce or eliminate these noises.

Sliding sunroof reversing feature

The sliding sunroof is equipped with an automatic reversing feature. If an object blocks or restricts the sliding sunroof during the closing process, the sliding sunroof opens again automatically. The automatic reversing feature is only an aid and is no substitute for your attention when closing the sliding roof.

⚠ WARNING

The reversing feature does not react:

- to soft, light and thin objects, e.g. small fingers
- over the last 4 mm of the closing movement
- during resetting
- when closing the sliding sunroof again manually immediately after automatic reversing

This means that the reversing feature cannot prevent someone being trapped in these situations. There is a risk of injury.

When closing make sure that no body parts are in the closing area.

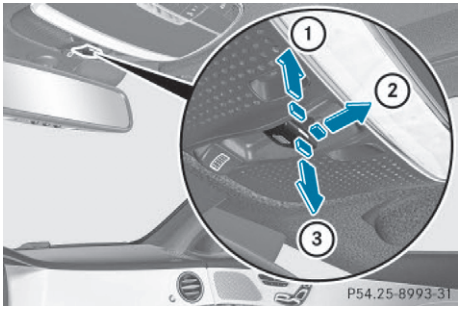
If someone is trapped:

- release the switch immediately or
- press the switch in any direction during the automatic closing process

The closing process is stopped.

Operating the sliding sunroof

Opening and closing



① To raise
② To open
③ To close/lower

▶ Turn the key to position **1** or **2** in the ignition lock.
▶ Press or pull the switch in the corresponding direction.

If you press or pull the switch beyond the point of resistance, automatic operation is started in the corresponding direction. You can stop automatic operation by pressing or pulling again.

If the sliding sunroof is raised at the rear, it automatically lowers slightly at higher speeds. The noise level in the vehicle interior is reduced as a result. At low speeds it raises again automatically.

You can also temporarily deactivate automatic lowering. To do so, press the switch. The sliding sunroof raises again automatically.

You can continue to operate the sliding sunroof after switching off the engine or removing the key. This function remains active for five minutes or until you open a front door.

The sliding sunroof cannot be opened if a roof carrier is fitted. In order to allow ventilation of the vehicle interior, you can raise the sliding sunroof.

If contact is made with a roof carrier approved by Mercedes-Benz, the sliding sunroof lowers slightly but remains raised at the rear.

Before opening, raising or closing the sliding sunroof, a check is carried out to see whether a valid key is in the vehicle, if:

- the switch is pressed or pulled
  and
- the Start/Stop button is used instead of the key in the ignition lock
  and
- the engine is not running

This is carried out by means of a brief radio connection between the vehicle and the key.

Rain-closing feature when the engine is switched off

When the key is in position **0** in the ignition lock or is removed, the sliding sunroof closes automatically:

- if it starts to rain
- at extreme outside temperatures
- after six hours
- if there is a malfunction in the power supply

The sliding sunroof remains raised at the rear in order to allow ventilation of the vehicle interior.

The sliding sunroof does not close if:

- it is raised at the rear.
- it is blocked.
- no rain is falling on the area of the windscreen being monitored by the rain sensor, e.g. because the vehicle is under a bridge or in a carport.

If the sliding sunroof is obstructed when being closed by the rain-closing feature, it opens again slightly. The rain-closing feature is then deactivated.

Rain-closing feature when driving

The raised sliding sunroof automatically lowers at the rear when driving if it starts to rain. The sliding sunroof is lowered depending on:

- the road speed and
- the intensity of the rain

You can manually cancel the automatic closing procedure. Press or pull the switch in any direction.

To raise the sliding sunroof again, press the switch in direction ①. The rain-closing feature remains activated.

Operating the roller sunblinds for the sliding sunroof

Important safety notes

⚠ WARNING

Parts of the body could become trapped between the roller sunblind and frame or sliding sunroof during automatic opening or closing. There is a risk of injury.

When opening or closing, make sure that no body parts are in the sweep of the roller sunblind.

If someone is trapped:

- release the switch immediately or
- press the switch in any direction during the automatic opening/closing process

The opening/closing process is stopped.

The roller sunblinds shield the vehicle interior from sunlight. The front roller sunblind can only be opened and closed when the sliding sunroof is closed.

Roller sunblind reversing feature

The roller sunblinds are equipped with an automatic reversing feature. If a solid object blocks or restricts the roller blind during the closing process, the roller blind opens again automatically. The automatic reversing feature is only an aid, not a substitute for your attention when closing the roller sunblind.

⚠ WARNING

The reversing function does not react in particular to soft, light and thin objects, e.g. small fingers. This means that the reversing feature cannot prevent someone being trapped in these situations. There is a risk of injury.

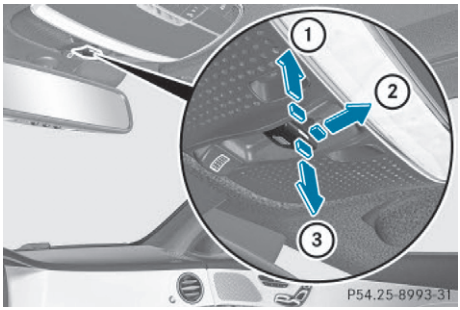
When closing the roller sunblind, make sure that no body parts are in the sweep.

If someone is trapped:

- release the switch immediately or
- press the switch in any direction during the automatic closing process

The closing process is stopped.

Opening and closing the front roller sunblind



The front roller sunblind can only be closed when the sliding sunroof is closed.

▶ Turn the key to position **1** or **2** in the ignition lock.

▶ Press the switch in direction ①.

The front roller sunblind opens, then the sliding roof is raised.

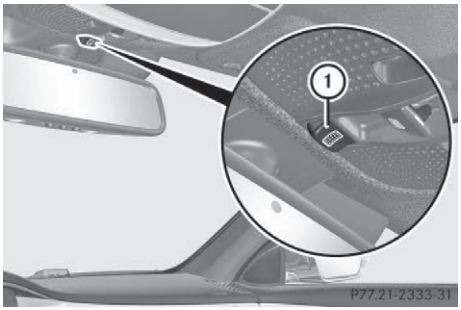
▶ Pull the switch in direction ②.
The front roller sunblind opens.

▶ Pull the switch in direction ③.
The front roller sunblind closes if the sliding sunroof is closed.

If you press or pull the switch beyond the point of resistance, automatic operation is started in the corresponding direction. You can stop automatic operation by pressing or pulling again.

Opening and closing the rear roller sunblind

Operating from the front



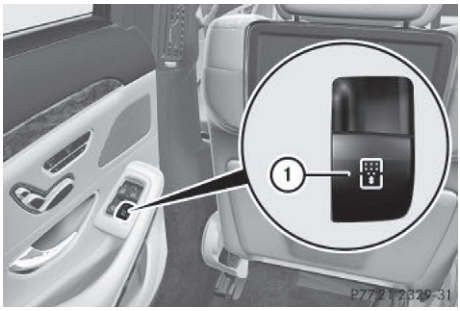
Vehicles without MAGIC SKY CONTROL: you can operate the rear roller sunblind from the front.

▶ **To open or close:** press button ①.
The rear roller sunblind opens or closes fully.

▶ **To stop:** press button ① again.

You must first open or close the rear roller sunblind fully before you can move it in the other direction.

Operating from the rear



▶ **To open/close manually:** press or pull switch ① to the point of resistance and hold it until the rear roller sunblind has reached the desired position.

▶ **To open/close fully:** press or pull switch ① beyond the point of resistance and release it.

If you press switch ① again when the rear roller sunblind is fully opened, the degree of transparency of the rear MAGIC SKY CONTROL element changes. If you pull switch ① again when the rear roller sunblind is fully closed, the degree of transparency changes only when the roller sunblind is opened (▷ page 108).

If the rear roller sunblind closes when the rear MAGIC SKY CONTROL element is not tinted, this tints automatically.

MAGIC SKY CONTROL

General notes

MAGIC SKY CONTROL is a panorama roof, the transparency of which can be changed by applying electrical voltage.

MAGIC SKY CONTROL can be switched between darkened and transparent states.

MAGIC SKY CONTROL darkens automatically after a short period when you turn the key to position **0** or remove the key.

Risk of electric shock

⚠ **DANGER**

MAGIC SKY CONTROL operates using high voltage. If the roof lining is damaged or removed, electrical components will be exposed. If you touch these components, you

could get an electric shock. There is a risk of fatal injury.

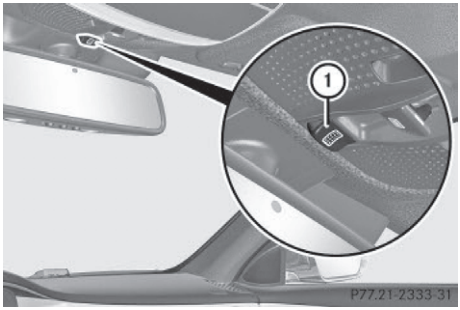
- Never remove the roof lining.
- If the roof lining is damaged, never touch the electrical components behind it.
- Always have work on the MAGIC SKY CONTROL carried out at a qualified specialist workshop.

The high-voltage components of MAGIC SKY CONTROL are protected above the roof lining.

These are in the hidden portion of the panorama sliding sunroof movable roof element and above the left rear door.

The MAGIC SKY CONTROL voltage transformer is stamped with a high-voltage symbol, warning you about the high voltage. The electric cables of the high-voltage section are coloured orange.

Operating MAGIC SKY CONTROL from the front



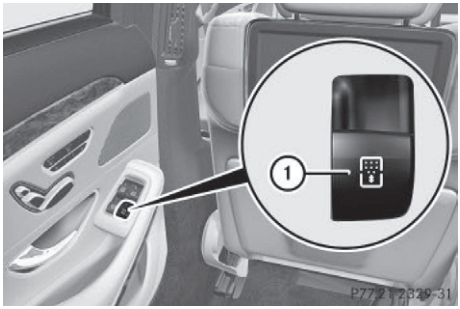
▶ Turn the key to position **1** or **2** in the ignition lock.
MAGIC SKY CONTROL switches to the state it was set to before the engine was switched off.

▶ **To change the degree of transparency:** press button ①.

If the rear MAGIC SKY CONTROL element is in a different state than the front element, the degree of transparency will change only in the front element. Both elements will then be in the same state and any further changes will again occur synchronously.

At sub-zero temperatures, the change is slower and uneven. The entire process may take some time.

Operating the rear MAGIC SKY CONTROL element from the rear



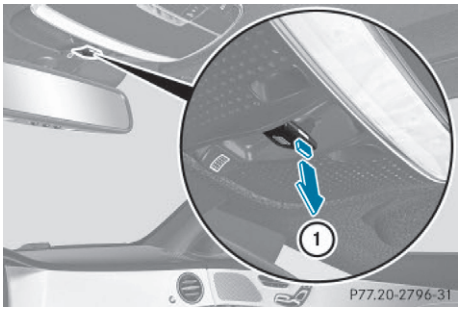
▶ **To change the degree of transparency when the roller sunblind is fully opened:** press switch ①.

▶ **To change the degree of transparency when the roller sunblind is fully closed:** pull switch ①.
The degree of transparency will change only after the roller sunblind is opened.

If the rear roller sunblind closes when the rear MAGIC SKY CONTROL element is not tinted, this tints automatically.

Resetting the sliding sunroof and the roller sunblind

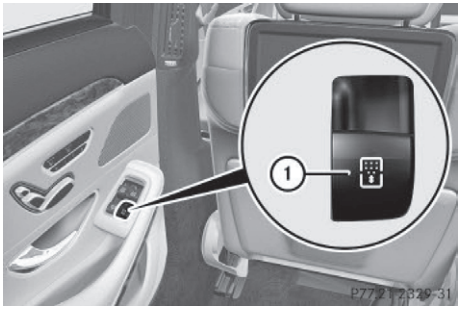
Resetting the sliding sunroof or the front roller sunblinds



Reset the sliding sunroof or the front roller sunblind if the sliding sunroof or the front roller sunblind does not move smoothly.

- ▶ Turn the key to position **1** or **2** in the ignition lock.
- ▶ Pull the switch to the point of resistance in the direction of arrow ① until the sliding sunroof is fully closed.
- ▶ Keep the switch pulled for an additional second.
- ▶ Pull the switch in the direction of arrow ① until the front roller sunblind is closed.
- ▶ Keep the switch pulled for an additional second.
- ▶ Make sure that the sliding sunroof and the front roller sunblind can be fully opened again.
- ▶ If this is not the case, repeat the steps above again.

Resetting the rear sunblind



- ▶ Turn the key to position **1** or **2** in the ignition lock.
- ▶ Pull switch ① repeatedly until the rear roller sunblind is fully closed.
- ▶ Keep switch ① pulled for an additional second.
- ▶ Make sure that the rear roller sunblind can be opened fully again.
- ▶ If this is not the case, repeat the steps above again.

Problems with the sliding sunroof

⚠ WARNING

If you close the sliding sunroof again immediately after it has been blocked or reset, the sliding sunroof closes with increased or maximum force. The reversing feature is then not active. Parts of the body could be trapped in the closing area in the process. This poses an increased risk of injury or even fatal injury.

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

If someone is trapped:

- release the switch immediately or
- press the switch in any direction during the automatic closing process

The closing process is stopped.

Problem	Possible causes/consequences and ▶ Solutions
The sliding sunroof cannot be closed and you cannot see the cause.	If the sliding sunroof is obstructed during closing and reopens again slightly: ▶ Immediately after it blocks, pull the switch down again to the point of resistance until the sliding sunroof is closed. The sliding sunroof is closed with increased force. If the sliding sunroof is obstructed again during closing and reopens again slightly: ▶ Immediately after it blocks, pull the switch down again to the point of resistance until the sliding sunroof is closed. The sliding sunroof is closed without the automatic reversing feature.

Useful information

ⓘ This Owner's Manual describes all models, series and optional equipment for your vehicle that were available at the time of going to press. National variations are possible. Note that your vehicle may not be equipped with all of the functions described. This is also the case for systems and functions relevant to safety.

ⓘ Read the information on qualified specialist workshops: (▷ page 30).

Correct driver's seat position

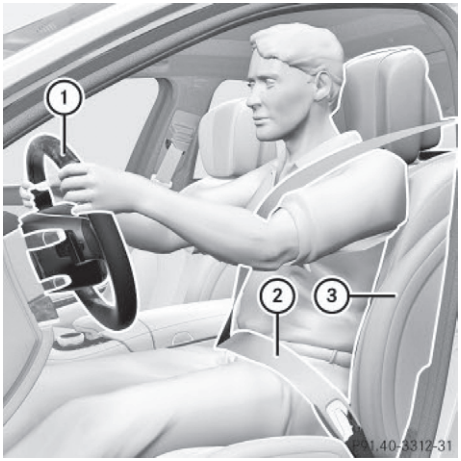
⚠ **WARNING**

You could lose control of the vehicle while driving if you:

- adjust the driver's seat, steering wheel or mirrors
- fasten the seat belt

There is a risk of an accident.

Adjust the driver's seat, head restraint, steering wheel and mirrors and fasten your seat belt before starting the engine.



▶ Observe the safety guidelines on seat adjustment (▷ page 113).

▶ Make sure that seat ③ is correctly adjusted (▷ page 114).

When adjusting the seat, make sure that:

- you are as far away from the driver's airbag as possible
- you are sitting in a normal upright position
- you can fasten the seat belt properly
- you have moved the backrest to an almost vertical position
- you have set the seat angle so that your thighs are gently supported
- you can depress the pedals properly

▶ Check whether the head restraint is adjusted correctly.

When doing so, make sure that you have adjusted the head restraint so that the back of your head is supported at eye level by the centre of the head restraint.

▶ Observe the safety guidelines on steering wheel adjustment (▷ page 130).

▶ Make sure that steering wheel ① is adjusted correctly (▷ page 130).

When adjusting the steering wheel, make sure that:

- you can hold the steering wheel with your arms slightly bent
- you can move your legs freely
- you can see all the displays in the instrument cluster clearly

▶ Observe the safety guidelines for seat belts (▷ page 49).

▶ Check whether you have fastened seat belt ② properly (▷ page 51).

The seat belt should:

- fit snugly across your body
- be routed across the middle of your shoulder
- be routed across your hips in the pelvic area

▶ Before starting off, adjust the rear-view mirror and the exterior mirrors so that you have a good view of road and traffic conditions (▷ page 132).

▶ **Vehicles with a memory function:** save the seat, steering wheel and exterior mirror settings with the memory function (▷ page 135).

Seats

Important safety notes

⚠ WARNING

If children adjust the seats, they could become trapped, especially if they are unattended. There is a risk of injury.

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

The seats can still be adjusted when there is no key in the ignition lock.

⚠ WARNING

When adjusting a seat, you or another vehicle occupant could become trapped by the guide rail of the seat, for instance. There is a risk of injury.

Make sure that no one has any part of their body within the sweep of the seat when adjusting it.

Observe the safety notes on "Airbags" (▷ page 52) and "Children in the Vehicle" (▷ page 63).

⚠ WARNING

You could lose control of the vehicle while driving if you:

- adjust the driver's seat, steering wheel or mirrors
- fasten the seat belt

There is a risk of an accident.

Adjust the driver's seat, head restraint, steering wheel and mirrors and fasten your seat belt before starting the engine.

⚠ WARNING

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. There is a risk of injury.

While moving the seats, make sure that your hands or other body parts do not get under the lever assembly of the seat adjustment system.

⚠ WARNING

The head restraints cannot provide the intended protection unless they are fitted and adjusted correctly. There is an increased risk of injury to the head and neck in the event of an accident or sudden braking, for example.

Always drive with the head restraints fitted. Ensure that the centre of the head restraints support the back of each vehicle occupant's head at eye level before driving off.

⚠ WARNING

The seat belt does not offer the intended level of protection if you have not moved the backrest to an almost vertical position. When braking or in the event of an accident, you could slide underneath the seat belt and sustain abdomen or neck injuries, for example. This poses an increased risk of injury or even fatal injury.

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

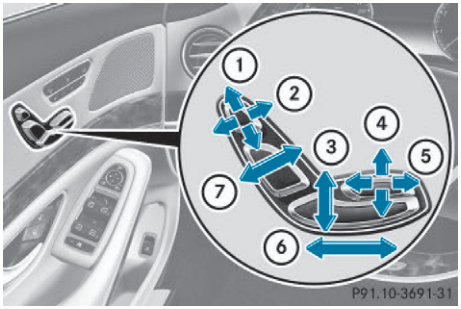
! To avoid damage to the seats and the seat heating, observe the following information:

- do not spill any liquids on the seats. If liquid is spilled on the seats, dry them as soon as possible.
- if the seat covers are damp or wet, do not switch on the seat heating. The seat heating should also not be used to dry the seats.
- clean the seat covers as recommended; see "Interior care".
- do not transport heavy loads on the seats. Do not place sharp objects on the seat cushions, e.g. knives, nails or tools. The seats should only be occupied by passengers, if possible.
- when the seat heating is in operation, do not cover the seats with insulating materials, e.g. blankets, coats, bags, seat covers, child seats or booster seats.

! Make sure that there are no objects in the footwell under or behind the seats when moving the seats back. There is a risk that the seats and/or the objects could be damaged.

Adjusting the seats

Vehicles with standard head restraints or luxury head restraints



① Head restraint height
② Head restraint height
③ Seat height
④ Seat cushion angle
⑤ Seat cushion length
⑥ Seat fore-and-aft adjustment
⑦ Backrest angle

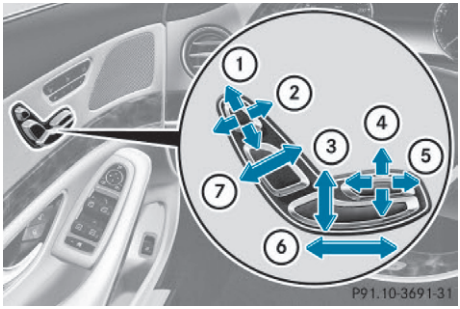
i If PRE-SAFE® is triggered, the front-passenger seat will be moved to a better position if it was previously in an unfavourable position (▷ page 61).

i You can store the seat settings using the memory function (▷ page 135).

i To ensure the largest possible range of seat settings, certain seat adjustment functions will automatically activate other seat adjustment functions.

i The head restraint height is adjusted automatically when you adjust the seat height or the seat fore-and-aft position.

Vehicles with an EASY ADJUST luxury head restraint



① Head restraint height
② Head restraint fore-and-aft position
③ Seat height
④ Seat cushion angle
⑤ Seat cushion length
⑥ Seat fore-and-aft adjustment
⑦ Backrest angle

i If PRE-SAFE® is triggered, the front-passenger seat will be moved to a better position if it was previously in an unfavourable position (▷ page 61).

i You can store the seat settings using the memory function (▷ page 135).

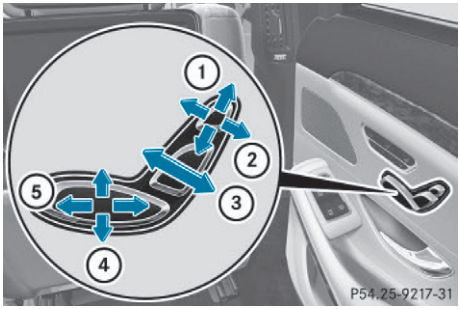
i To ensure the largest possible range of seat settings, certain seat adjustment functions will automatically activate other seat adjustment functions.

i The head restraint height is adjusted automatically when you adjust the seat height or the seat fore-and-aft position.

i The fore-and-aft position of the head restraint is adjusted automatically when you adjust the backrest.

Adjusting the rear seats

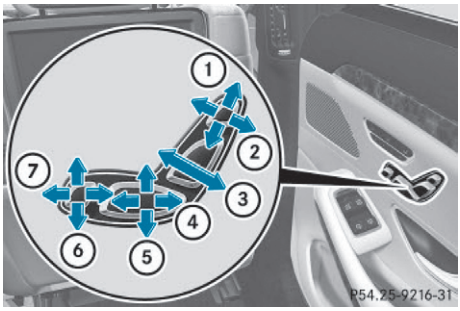
Adjusting the rear seats



① Head restraint height
② Head restraint fore-and-aft position
③ Backrest angle
④ Combined seat cushion angle and length
⑤ Combined seat cushion angle and length

You can only adjust the outer seats in the rear electrically.

Adjusting a rear reclining seat



① Head restraint height
② Head restraint fore-and-aft position
③ Backrest angle
④ Combined seat cushion angle and length
⑤ Combined seat cushion angle and length
⑥ Leg rest angle
⑦ Leg rest length

The rear reclining seat is only available in long wheelbase vehicles equipped with "executive seats". On vehicles without a rear reclining seat the button for setting the angle and length of the leg rest has no function.

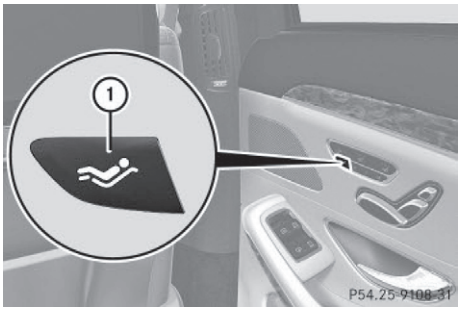
Vehicles with a long wheelbase: depending on the vehicle equipment, the rear reclining seat is either only on the front-passenger side or also on the driver's side.

Mercedes-Maybach vehicles: the rear reclining seat is on the driver's and the front-passenger side.

Vehicles with a long wheelbase and a rear compartment chauffeur/memory package also have a footrest. This is located on the lower part of the front-passenger seat backrest (▷ page 116).

The leg rest folds down if overloaded. If this is the case fold up the leg rest and engage it.

Setting the reclined position



This function is available with long wheelbase vehicles.

You can use the rear-compartment override button to disable this function (▷ page 73).

The key must be in the ignition lock and in position **1** or **2**, before the rear seat can be moved into the reclined position (▷ page 175).

▶ Press and hold button ① until the seat has reached the reclined position.
The rear seat moves into the reclined position, the front-passenger seat moves into the chauffeur position (▷ page 119). The footrest moves out from under the front-passenger seat.

You can exit the reclined position and adjust the seat position by:

- calling up a stored position using memory buttons **1** or **2** (▷ page 136)
- manually adjusting the seat to the desired position (▷ page 114).

ⓘ The steps for setting the reclined position are not always carried out simultaneously.

The leg rest folds down if overloaded. If this is the case fold up the leg rest and engage it.

Adjusting the front-passenger seat from the driver's seat

Important safety notes

⚠ WARNING

When adjusting a seat, you or another vehicle occupant could become trapped by the guide rail of the seat, for instance. There is a risk of injury.

Make sure that no one has any part of their body within the sweep of the seat when adjusting it.

Observe the safety notes on "Airbags" (▷ page 52) and "Children in the Vehicle" (▷ page 63).

⚠ WARNING

If the front seats are positioned too closely to the dashboard or steering wheel, the front airbags could cause additional injuries to vehicle occupants in the front. There is an increased risk of injury, possibly even fatal.

Always adjust the front seats so that they are as far away as possible from the front airbags. In addition, observe the instructions on how to adjust the seats correctly.

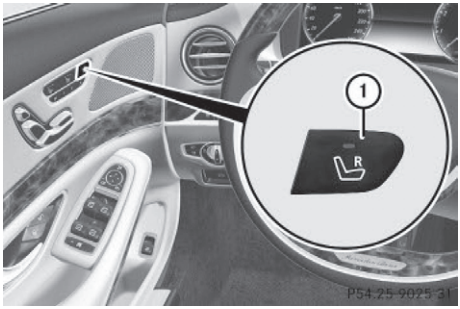
⚠ WARNING

If children adjust the seats, they could become trapped, especially if they are unattended. There is a risk of injury.

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

! Do not move the front-passenger seat fully forwards if there are objects in the luggage net in the front-passenger footwell. The objects could otherwise be damaged.

Adjusting the front-passenger seat



The key must be in the ignition lock and in position **1** or **2**, in order for the front-passenger seat to be selected (▷ page 175).

▶ **To select the front-passenger seat:** press button ① repeatedly until the indicator lamp in the button lights up.

When the indicator lamp in button ① lights up, for the front-passenger seat you can adjust:

- seat adjustment (▷ page 114)
- seat heating (▷ page 127)
- seat ventilation (▷ page 129)
- the memory function to call up or save settings (▷ page 135)

Adjusting the front-passenger seat from the rear

Important safety notes

⚠ WARNING

If children adjust the seats, they could become trapped, especially if they are unattended. There is a risk of injury.

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

The seats can still be adjusted when there is no key in the ignition lock.

⚠ WARNING

When adjusting a seat, you or another vehicle occupant could become trapped by the guide rail of the seat, for instance. There is a risk of injury.

Make sure that no one has any part of their body within the sweep of the seat when adjusting it.

Observe the safety notes on "Airbags" (▷ page 52) and "Children in the vehicle" (▷ page 63).

⚠ WARNING

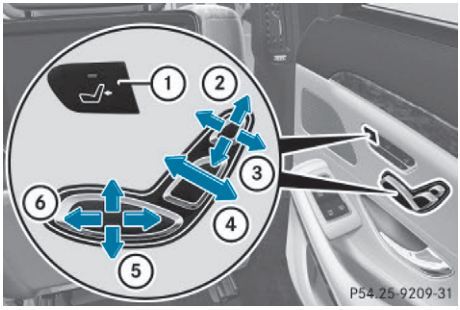
If the front seats are positioned too closely to the dashboard or steering wheel, the front airbags could cause additional injuries to vehicle occupants in the front. There is an increased risk of injury, possibly even fatal.

Always adjust the front seats so that they are as far away as possible from the front airbags. In addition, observe the instructions on how to adjust the seats correctly.

! Do not move the front-passenger seat fully forwards if there are objects in the luggage net in the front-passenger footwell. The objects could otherwise be damaged.

i You can use the rear-compartment override button to disable the setting of the front-passenger seat from the rear (▷ page 73).

Adjusting the rear seats

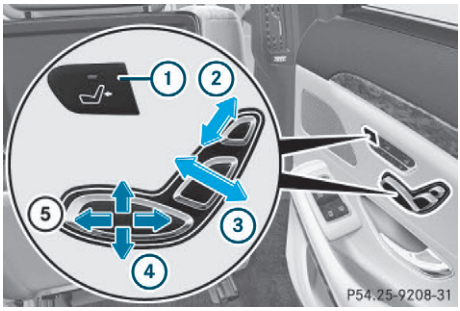


① To select the rear-compartment seat
② Head restraint height
③ Head restraint fore-and-aft position
④ Backrest angle
⑤ Combined seat cushion angle and length
⑥ Combined seat cushion angle and length

▶ **To select the rear seat:** press button ① repeatedly until the indicator lamp in the button is not lit.
The rear-compartment seat is selected if the indicator lamp in the button is not lit.

▶ Adjust the rear seats with buttons ② to ⑥.

Adjusting the front-passenger seat



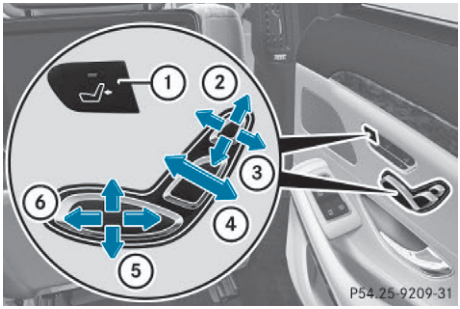
① To select the front-passenger seat
② Head restraint height
③ Backrest angle
④ Seat height
⑤ Seat fore-and-aft adjustment

The key must be in the ignition lock and in position **1** or **2**, in order for the front-passenger seat to be selected (▷ page 175).

▶ **To select the front-passenger seat:** press button ① repeatedly until the indicator lamp in the button lights up.
The front-passenger seat is selected if the indicator lamp in the button lights up.

▶ Adjust the front-passenger seat with buttons ② to ⑤.

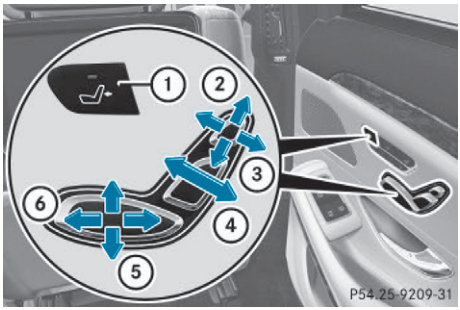
Adjusting the rear seat on vehicles with EASY ADJUST luxury head restraints



① To select the rear-compartment seat
② Head restraint height
③ Head restraint fore-and-aft position
④ Backrest angle
⑤ Combined seat cushion angle and length
⑥ Combined seat cushion angle and length

▶ **To select the rear seat:** press button ① repeatedly until the indicator lamp in the button is not lit.
The rear-compartment seat is selected if the indicator lamp in the button is not lit.
▶ Adjust the rear seat with buttons ② to ⑥.

Adjusting the front-passenger seat on vehicles with EASY ADJUST luxury head restraints



① To select the front-passenger seat
② Head restraint height
③ Head restraint fore-and-aft position
④ Backrest angle
⑤ Seat height
⑥ Seat fore-and-aft adjustment

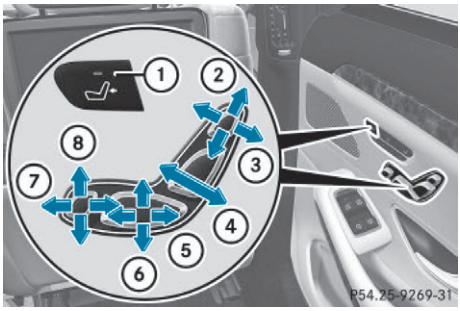
The key must be in the ignition lock and in position **1** or **2**, in order for the front-passenger seat to be selected (▷ page 175).

▶ **To select the front-passenger seat:** press button ① repeatedly until the indicator lamp in the button lights up.
The front-passenger seat is selected if the indicator lamp in the button lights up.
▶ Adjust the front-passenger seat with buttons ② to ⑥.

EASY ADJUST luxury head restraints are available individually on vehicles fitted with a rear compartment chauffeur/memory package.

Vehicles with seat for chauffeur mode and long wheelbase

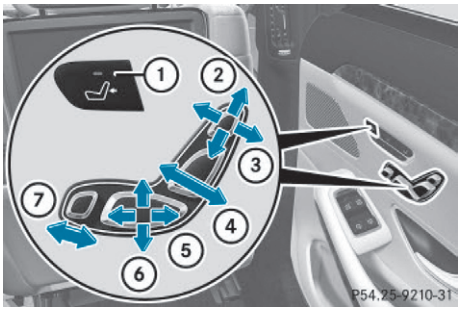
Adjusting the rear seats



① To select the rear-compartment seat
② Head restraint height
③ Head restraint fore-and-aft position
④ Backrest angle
⑤ Combined seat cushion angle and length
⑥ Combined seat cushion angle and length
⑦ Longitudinal direction of the legrest if rear reclining seat is fitted
⑧ Angle of the legrest if rear reclining seat is fitted

▶ **To select the rear seat:** press button ① repeatedly until the indicator lamp in the button is not lit.
The rear-compartment seat is selected if the indicator lamp in the button is not lit.
▶ Adjust the rear seats with buttons ② to ⑧.

Adjusting the front-passenger seat



① To select the front-passenger seat
② Head restraint height
③ Head restraint fore-and-aft position
④ Backrest angle
⑤ Seat fore-and-aft adjustment
⑥ Seat height
⑦ Footrest

The key must be in the ignition lock and in position **1** or **2**, in order for the front-passenger seat to be selected (▷ page 175).

▶ **To select the front-passenger seat:** press button ① repeatedly until the indicator lamp in the button lights up.
The front-passenger seat is selected if the indicator lamp in the button lights up.

▶ Adjust the front-passenger seat with buttons ② to ⑦.

The footrest can only be adjusted if:

- the front-passenger seat is moved fully forward
- the front-passenger seat is in the position for chauffeur mode (▷ page 119).

ⓘ The front-passenger seat in the Mercedes-Maybach must not be positioned fully forwards when adjusting the footrest. The front-passenger seat must be moved forwards from the rear to the middle adjustment range.

Chauffeur mode

Important safety notes

⚠ **WARNING**

The head restraints cannot provide the intended protection unless they are fitted and adjusted correctly. There is an increased risk of injury to the head and neck in the event of an accident or sudden braking, for example.

Always drive with the head restraints fitted. Ensure that the centre of the head restraints support the back of each vehicle occupant's head at eye level before driving off.

⚠ **WARNING**

If the front-passenger seat is in chauffeur mode and the front-passenger head restraint is folded down, the view of the passenger-side exterior mirror can be impaired. There is a risk of an accident.

To have a free view of the exterior mirror, remove the front-passenger head restraint.

! Make sure that there are no objects in the footwell under or behind the seats when moving the seats back. There is a risk that the seats and/or the objects could be damaged.

General notes

In chauffeur mode:

- the front-passenger seat is moved forwards
- the backrest is tilted forwards
- the head restraint is folded forwards

The front-passenger seat automatically moves from the chauffeur position back into the normal position if:

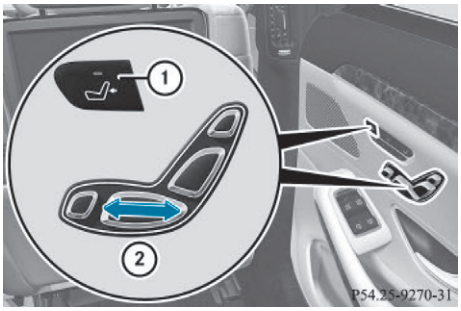
- the front-passenger seat is adjusted using the seat adjustment switch on the front-passenger door
- the front-passenger seat belt is fastened
- an occupant is detected on the front-passenger seat
- the front-passenger seat head restraint is inserted and the ignition is switched on
- the front-passenger head restraint is folded back from the rear seat or driver's seat (▷ page 123)

Positioning the front-passenger seat for chauffeur mode

General notes

Pay attention to the important safety notes (▷ page 119). Adjust the seat for chauffeur mode before the journey (▷ page 120). Do not remove the front-passenger seat head restraint during the journey.

Adjusting from the rear compartment



You can use the rear-compartment override button to disable this function (▷ page 73).

In order for the front-passenger seat to be positioned in chauffeur mode:

- the key must be in the ignition lock and in position **1** or **2** (▷ page 175)
- the front-passenger seat may not be occupied
- the front-passenger seat belt must not be inserted into the buckle

▶ **To select the front-passenger seat:** press button ① repeatedly until the indicator lamp in the button lights up.
The front-passenger seat is selected if the indicator lamp in the button lights up.

▶ Press button ② forwards and hold it in this position.
The seat moves forward.
The seat stops at the threshold of the area for chauffeur mode.

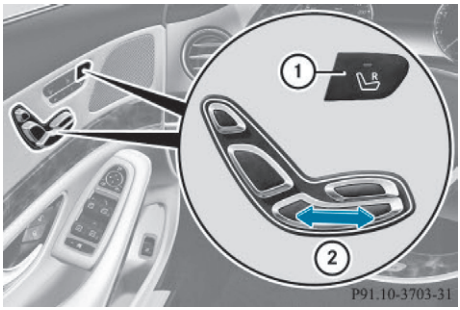
▶ Release button ②.

▶ Press and hold button ② again until the front-passenger seat is in position for chauffeur mode.
The head restraint on the front-passenger seat folds forwards. The seat moves forward.
The `In order to see the exterior mirror, adjust the front-pass. seat or remove head restraint.` (▷ page 348) message appears in the multifunction display.

ⓘ If the front-passenger seat is already at the threshold to the area for the chauffeur mode, the position for the chauffeur mode is set immediately.

ⓘ The position for chauffeur mode can be saved or set using the memory function of the rear seat (▷ page 136). For this the indicator lamp on button ① must be lit.

Adjusting from the driver's seat



In order for the front-passenger seat to be positioned in chauffeur mode:

- the key must be in the ignition lock and in position **1** or **2** (▷ page 175)
- the front-passenger seat may not be occupied
- the front-passenger seat belt must not be inserted into the buckle

▶ **To select the front-passenger seat:** press button ① repeatedly until the indicator lamp in the button lights up.
The front-passenger seat is selected if the indicator lamp in the button lights up.

▶ Press button ② forward and hold it.
The seat moves forward.
The seat stops at the threshold of the area for chauffeur mode.

▶ Release button ②.

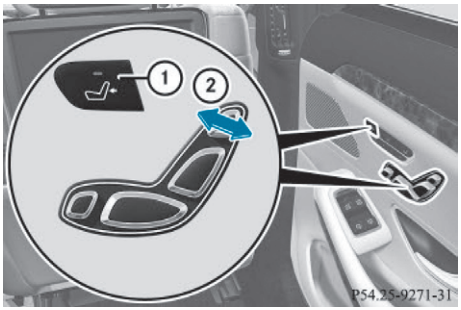
▶ Press and hold button ② again until the front-passenger seat is in position for chauffeur mode.
The head restraint on the front-passenger seat folds forwards. The seat moves forward.
The `In order to see the exterior mirror, adjust the front-pass. seat or remove head restraint.` (▷ page 348)message appears in the multifunction display.

If the front-passenger seat is already at the threshold to the area for the chauffeur mode, the position for the chauffeur mode is set immediately.

The position for chauffeur mode cannot be stored or set with the driver's seat memory function.

Folding the front-passenger head restraint forward

Folding forward from the rear seat



You can use the rear-compartment override button to disable this function (▷ page 73).

In order for the front-passenger head restraint to be folded forward:

- the key must be in the ignition lock and in position **1** or **2** (▷ page 175)
- the front-passenger seat may not be occupied
- the front-passenger seat belt must not be inserted into the buckle

▶ **To select the front-passenger seat:** press button ① repeatedly until the indicator lamp in the button lights up.
The front-passenger seat is selected if the indicator lamp in the button lights up.

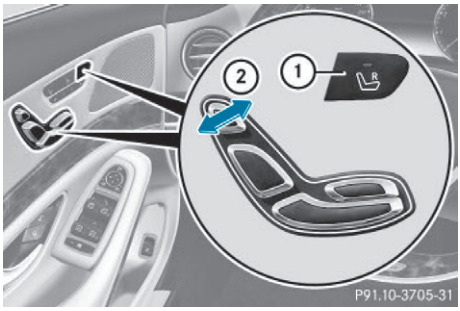
▶ Press button ② forwards and hold it in this position.
The head restraint moves slightly forward and stops.

▶ Release button ②.

▶ Press button ② again.
The head restraint on the front-passenger seat folds forward.

If the front-passenger head restraint is already in the foremost position, it will fold forward immediately.

Folding forward from the driver's seat



In order for the front-passenger head restraint to be folded forward:

- the key must be in the ignition lock and in position **1** or **2** (▷ page 175)
- the front-passenger seat may not be occupied
- the front-passenger seat belt must not be inserted into the buckle

▶ **To select the front-passenger seat:** press button ① repeatedly until the indicator lamp in the button lights up.
The front-passenger seat is selected if the indicator lamp in the button lights up.

▶ Press button ② forwards and hold it in this position.
The head restraint moves slightly forward and stops.

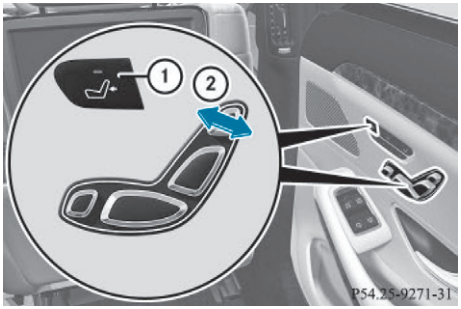
▶ Release button ②.

▶ Press button ② again.
The head restraint on the front-passenger seat folds forward.

If the front-passenger head restraint is already in the foremost position, it will fold forward immediately.

Folding the front-passenger head restraint into position

Folding into position from the rear seat

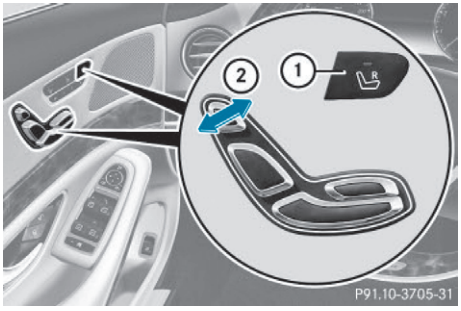


You can use the rear-compartment override button to disable this function (▷ page 73).

The key must be in the ignition lock and in position **1** or **2**, in order for the front-passenger seat to be selected (▷ page 175).

- ▶ **To select the front-passenger seat:** press button ① repeatedly until the indicator lamp in the button lights up.
  The front-passenger seat is selected if the indicator lamp in the button lights up.
- ▶ Briefly press button ② backwards.
  The head restraint folds into position.

Folding into position from the driver's seat



The key must be in the ignition lock and in position **1** or **2**, in order for the front-passenger seat to be selected (▷ page 175).

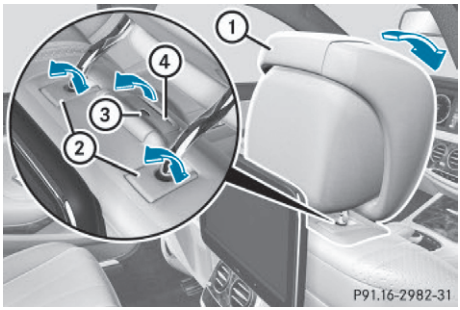
- ▶ **To select the front-passenger seat:** press button ① repeatedly until the indicator lamp in the button lights up.
  The front-passenger seat is selected if the indicator lamp in the button lights up.
- ▶ Briefly press button ② backwards.
  The head restraint folds into position.

Adjusting from the front-passenger seat

- ▶ Press any seat adjustment button.
  The head restraint folds into position.

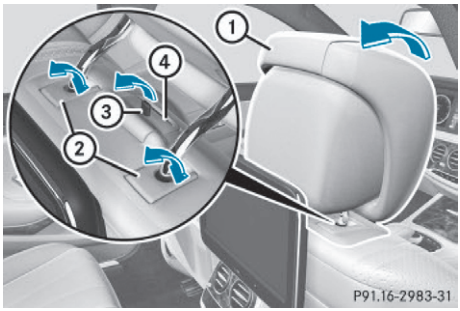
Fitting/removing the head restraint

Removing



- ▶ Fold the head restraint forward (▷ page 121).
- ▶ Fold head restraint bar covers ② backwards.
- ▶ Pull adjuster lever ④ backwards and hold it in this position. Hold head restraint ① while doing so.
- ▶ Remove head restraint ①.
- ▶ Release adjuster lever ④.
  Red pin ③ protrudes from the adjuster lever.
- ▶ Press down red pin ③.
- ▶ Fold covers ② forwards and close them.

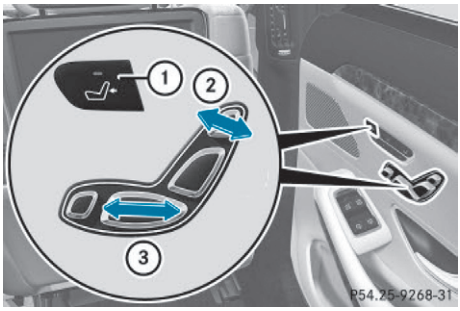
Fitting



- ▶ Fold covers ② backwards.
- ▶ Pull handle ④ backwards.
  Red pin ③ protrudes from the adjuster lever.
- ▶ Insert head restraint ① into the brackets.
  The head restraint must engage on both sides.
- ▶ Press down red pin ③.
  If the pin can be pressed down and is then no longer visible, the head restraint has engaged correctly.
- ▶ Fold covers ② forwards and close them.
  The head restraint folds into position automatically.

Moving the front-passenger seat into the normal position

Adjusting from the rear compartment



You can use the rear-compartment override button to disable this function (▷ page 73).

The head restraint must be fitted, in order for the front-passenger seat to be moved into normal position (▷ page 122).

The key must be in the ignition lock and in position **1** or **2**, in order for the front-passenger seat to be selected (▷ page 175).

- ▶ **To select the front-passenger seat:** press button ① repeatedly until the indicator lamp in the button lights up.
  The front-passenger seat is selected if the indicator lamp in the button lights up.
- ▶ Press button ③ backwards and hold it in this position.
  The front-passenger seat moves into the normal adjustment range at the threshold of the area for chauffeur mode. The head restraint folds into position.
  If you continue to hold down button ③, the seat continues to move backwards.

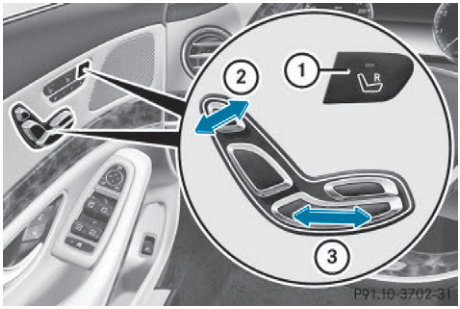
or

- ▶ Briefly press button ② backwards.
  The front-passenger seat moves into the normal adjustment range at the threshold to the area for chauffeur mode. The head restraint folds into position.

ℹ Further settings are available via the memory adjustment buttons, if:

- a position in the normal setting has already been saved
- the front-passenger seat has been selected with button ①

Adjusting from the driver's seat



The head restraint must be fitted, in order for the front-passenger seat to be moved into normal position (▷ page 122).

The key must be in the ignition lock and in position **1** or **2**, in order for the front-passenger seat to be selected (▷ page 175).

- ▶ **To select the front-passenger seat:** press button ① repeatedly until the indicator lamp in the button lights up.
  The front-passenger seat is selected if the indicator lamp in the button lights up.
- ▶ Press button ③ backwards and hold it in this position.
  The front-passenger seat moves into the normal adjustment range at the threshold of the area for chauffeur mode. The head restraint folds into position.
  If you continue to hold down button ③, the seat continues to move backwards.

or

- ▶ Briefly press button ② backwards.
  The front-passenger seat moves into the normal adjustment range at the threshold to the area for chauffeur mode. The head restraint folds into position.

ⓘ Further settings are available via the memory adjustment buttons if the front-passenger seat has been selected with button ①.

Adjusting from the front-passenger seat

▶ Press any seat adjustment button.
The front-passenger seat moves into the normal adjustment range at the threshold of the area for chauffeur mode. The head restraint folds into position.

Fully reclined position of the front-passenger seat

Setting

This function is only available on vehicles with electrically adjustable rear seats.

You can move the front-passenger seat into a fully reclined position. The rear seat and front-passenger seat then provide a continuous surface.

To do so:

- move the seat cushion of the rear seat as far back as possible in a longitudinal direction (▷ page 115)
- move the front-passenger seat into position for chauffeur mode (▷ page 120)
- remove the front-passenger seat head restraint (▷ page 122)
- move the front-passenger seat so that the backrest is in a fully reclined position (▷ page 114)

Exiting

To exit the fully reclined position:

- fold the backrest upright to a suitable position
- fit the head restraint (▷ page 122)

Adjusting the head restraints

Important safety notes

⚠ **WARNING**

You could lose control of the vehicle while driving if you:

- adjust the driver's seat, steering wheel or mirrors
- fasten the seat belt

There is a risk of an accident.

Adjust the driver's seat, head restraint, steering wheel and mirrors and fasten your seat belt before starting the engine.

⚠ **WARNING**

The head restraints cannot provide the intended protection unless they are fitted and adjusted correctly. There is an increased risk of injury to the head and neck in the event of an accident or sudden braking, for example.

Always drive with the head restraints fitted. Ensure that the centre of the head restraints support the back of each vehicle occupant's head at eye level before driving off.

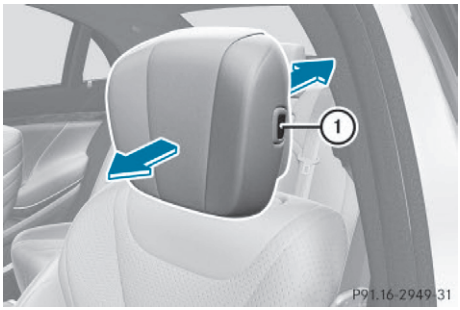
General notes

Pay attention to the important safety notes (▷ page 113).

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 to the correct position.

Adjusting the front head restraints

Adjusting the head restraints manually

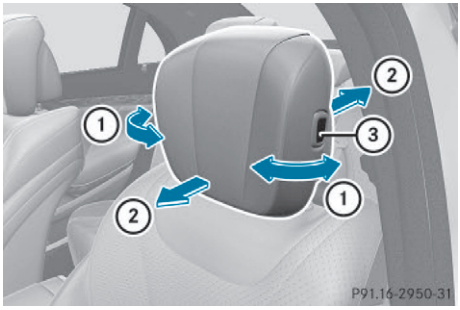


This function allows you to adjust the distance between the head restraint and the back of the head.

▶ **To move forwards:** pull the head restraint forwards in the direction of the arrow until it engages in the desired position.
▶ **To move backwards:** press and hold release button ①.
▶ Push the head restraint back.

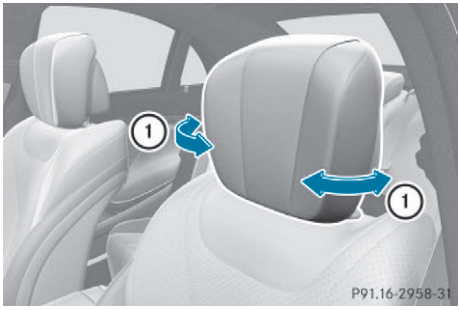
- Release the release button once the head restraint is in the desired position.
- Ensure that the head restraint has engaged properly.

Adjusting the luxury head restraint mechanically



- **To adjust the side bolsters of the head restraint:** push or pull right and/or left-hand side bolster ① into the desired position.
- **To adjust the fore-and-aft position forwards:** pull the head restraint forwards in the direction of arrow ② until it engages in the desired position.
- **To adjust the fore-and-aft position backwards:** press and hold release button ③.
- Fold the head restraint backwards in the direction of arrow ②.
- Let go of release button ③ once the head restraint is in the desired position.
- Ensure that the head restraint has engaged properly.

Adjusting the EASY ADJUST luxury head restraint mechanically



- **To adjust the side bolsters of the head restraint:** push or pull right and/or left-hand side bolster ① into the desired position.

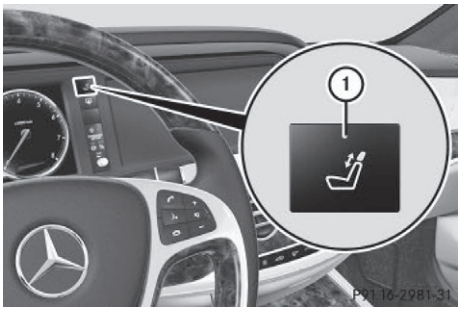
ⓘ The fore-and-aft position of the head restraint is adjusted automatically when you adjust the seat backrest angle using the seat switch.

Adjusting the front head restraints electrically

The height and fore-and-aft position of the front head restraints can be adjusted with the seat adjustment switch (▷ page 114).

Adjusting the rear seat head restraints

Lowering the rear seat head restraints electrically from the front



- Turn the key to position **1** or **2** in the ignition lock (▷ page 175).
- Briefly press button ①.
  The head restraints lower.

ⓘ If all of the rear seat head restraints are lowered and button ① is pressed again, the outer rear head restraints move into the last stored position.

Extending the outer rear seat head restraints from the front electrically

This function is available on vehicles with electrically adjustable rear seats.

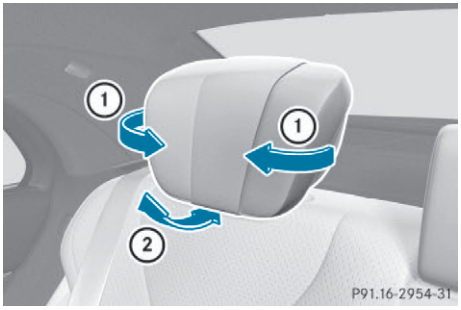
- Turn the key to position **1** or **2** in the ignition lock (▷ page 175).
- Press and hold button ① until the head restraints have extended upwards.

Extending the outer rear head restraints into the last stored position

This function is available on vehicles with electrically adjustable rear seats.

- Turn the key to position **1** or **2** in the ignition lock (▷ page 175).
- Briefly press button ①.
  The head restraints lower.
- Briefly press button ① again.
  The head restraints move to the last stored position.

Adjusting the luxury head restraint in the rear compartment mechanically



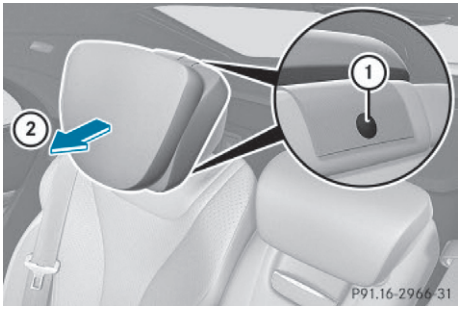
- **To adjust the side bolsters of the head restraint:** push or pull right and/or left-hand side bolster ① into the desired position.
- **To adjust the angle of the head restraint:** pull or push the head restraint in the direction of arrow ②.

Adjusting the rear head restraints electrically

The height and fore-and-aft position of the rear head restraints can be adjusted with the seat adjustment switch (▷ page 115).

Supplementary cushion for luxury head restraints

The supplementary cushion is available on vehicles with electrically adjustable rear seats.



The supplementary cushion is attached to the head restraint by three press studs.

To remove the supplementary cushion:

- Position the head restraint as far forwards as possible (▷ page 115).
- Release press studs ① and remove supplementary cushion ②.

To fit the supplementary cushion:

- Position the head restraint as far forwards as possible (▷ page 115).
- Hold supplementary cushion ② against the head restraint and push press studs ① into the counterpieces.

Adjusting the rear centre head restraints

Retracting and extending electrically



- Press and hold button ① until the head restraint has fully extended or retracted.

Folding into position mechanically



▶ Pull the head restraint up until it engages.

Adjusting the multicontour seat

The settings for the multicontour seat are only activated if:

- the seat is occupied
- the seat belt is fastened

The multicontour seat can be adjusted via the multimedia system (see the separate operating instructions).

Adjusting the active multicontour seat

The settings for the active multicontour seat are only activated if:

- the seat is occupied
- the seat belt is fastened

Vehicles fitted with the seating comfort package: you can adjust the active multicontour driver and passenger seats via the multimedia system (see the separate operating instructions).

Adjusting the multicontour seat in the rear compartment

You can adjust the multicontour seats for the outer seats using the remote control (see the separate operating instructions).

Adjusting the 4-way lumbar support

You can adjust the 4-way lumbar support via the multimedia system (see the separate operating instructions).

Switching the seat heating on/off

Switching on/off

⚠ WARNING

If you repeatedly switch on seat heating, the seat cushion and backrest padding may become very hot. The health of vehicle occupants with limited temperature sensitivity or a limited ability to react to excessively high temperatures may be affected or they may even suffer burn-like injuries. There is a risk of injury.

Therefore, do not switch on the seat heating repeatedly.

For vehicles fitted with the Warmth Comfort package: the armrest in the door and the centre console can also be heated when you switch on the seat heating of one of the front seats. You can set this via the multimedia system (see separate operating instructions).

The three red indicator lamps in the button indicate the heating level you have selected.

The system automatically switches down from level **3** to level **2** after approximately eight minutes.

The system automatically switches from level **2** to level **1** after approximately ten minutes.

The system automatically switches off approximately 20 minutes after it is set to level **1**.

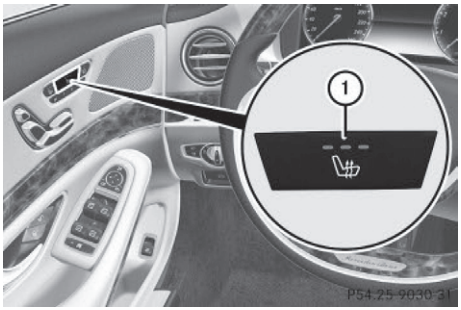
Vehicles with the Seat Heating Plus package: you can set the distribution of the heated sections of the seat cushion and backrest on the front seats via the multimedia system (see separate operating instructions).

Vehicles with the Seat Heating Plus package: you can set the distribution of the heated sections of the seat cushion and backrest on the front seats via the multimedia system (see the Digital Owner's Manual).

Vehicles with Rear Seat Entertainment System and electric seat adjustment: you can set the distribution of the heated sections of the rear

seat cushion and backrest via the Rear Seat Entertainment System (see the separate operating instructions).

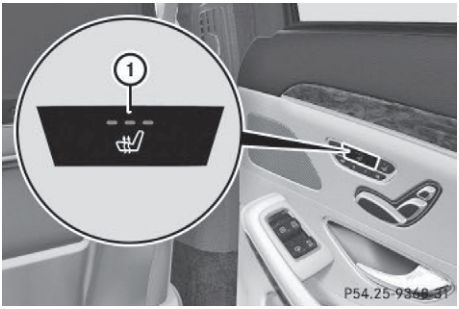
Front seats



- ▶ Turn the key to position **1** or **2** in the ignition lock (▷ page 175).
- ▶ **To switch on:** press button ① repeatedly until the desired heating level is set.
- ▶ **To switch off:** press button ① repeatedly until all the indicator lamps go out.

ⓘ If the battery voltage is too low, the seat heating may switch off.

Rear seats



- ▶ Turn the key to position **1** or **2** in the ignition lock (▷ page 175).
- ▶ **To switch on:** press button ① repeatedly until the desired heating level is set.
- ▶ **To switch off:** press button ① repeatedly until all the indicator lamps go out.

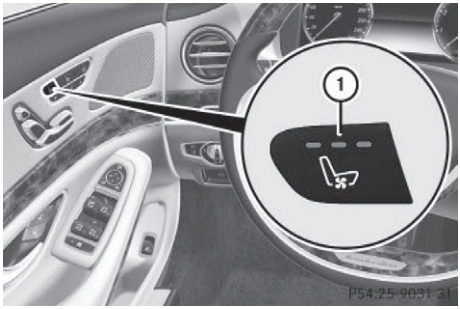
ⓘ If the battery voltage is too low, the seat heating may switch off.

Problems with the seat heating

Problem	Possible causes/consequences and ▶ Solutions
The seat heating has switched off prematurely or cannot be switched on.	The on-board voltage is too low because too many electrical consumers are switched on. ▶ Switch off electrical consumers that you do not need, such as the rear window heating or interior lighting. Once the battery is sufficiently charged, the seat heating can be switched back on manually.

Switching the seat ventilation on/off

Front seats



The three blue indicator lamps in the buttons indicate the blower setting you have selected.

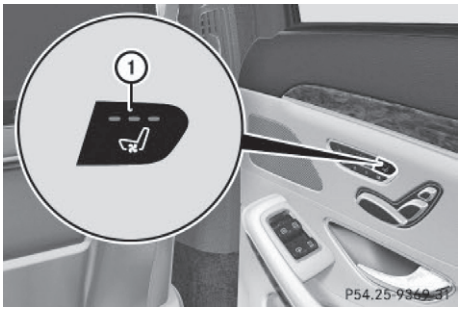
- ▶ Turn the key to position **1** or **2** in the ignition lock (▷ page 175).
- ▶ **To switch on:** press button ① repeatedly until the desired blower setting is set.
- ▶ **To switch off:** press button ① repeatedly until all the indicator lamps go out.

ⓘ If the battery voltage is too low, the seat ventilation may switch off.

ⓘ You can open the side windows and the sliding sunroof using the "Convenience opening" feature (▷ page 103). The seat ventilation of the driver's seat automatically switches to the highest level.

ⓘ When the vehicle is stationary, the fan speed can be reduced automatically. This reduces the noises of the seat ventilation.

Rear seat



Switching the seat ventilation in the rear compartment on/off

- ▶ Turn the key to position **1** or **2** in the ignition lock (▷ page 175).
- ▶ **To switch on:** press button ① repeatedly until the desired blower setting is set.
- ▶ **To switch off:** press button ① repeatedly until all the indicator lamps go out.

ⓘ If the battery voltage is too low, the seat ventilation may switch off.

ⓘ When the vehicle is stationary, the fan speed can be reduced automatically. This reduces the noises of the seat ventilation.

Problems with the seat ventilation

Problem	Possible causes/consequences and ▶ Solutions
The seat ventilation has switched off prematurely or cannot be switched on.	The on-board voltage is too low because too many electrical consumers are switched on. ▶ Switch off electrical consumers that you do not need, such as the rear window heating or interior lighting. Once the battery is sufficiently charged, the seat ventilation can be switched back on.

Steering wheel

Important safety notes

⚠ WARNING

You could lose control of the vehicle while driving if you:

- adjust the driver's seat, steering wheel or mirrors
- fasten the seat belt

There is a risk of an accident.

Adjust the driver's seat, head restraint, steering wheel and mirrors and fasten your seat belt before starting the engine.

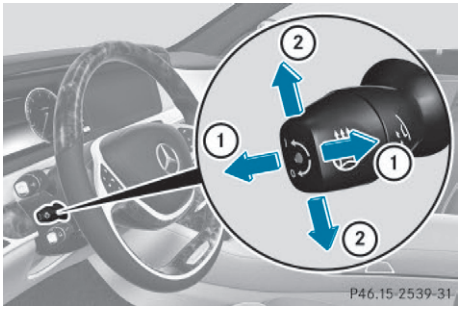
⚠ WARNING

Children could become trapped by the steering wheel if they adjust it. There is a risk of injury.

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

The electrically adjustable steering wheel can still be adjusted when there is no key in the ignition lock.

Adjusting the steering wheel



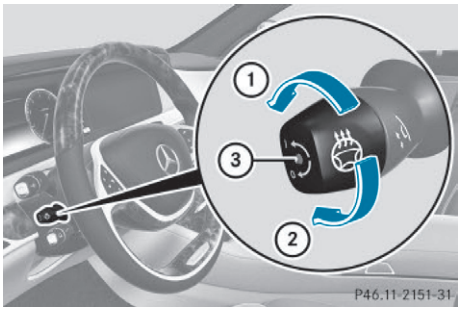
① To adjust the steering wheel position (fore-and-aft adjustment)
② To adjust the steering wheel height

ⓘ Further related subjects:

- EASY-ENTRY/EXIT feature (▷ page 131)
- Storing settings (▷ page 135)
- Operating the on-board computer (▷ page 292).

Steering wheel heating

Switching on/off



▶ Turn the key to position **2** in the ignition lock (▷ page 175).

▶ **To switch on/off:** turn the lever in the direction of arrow ① or ②.
Indicator lamp ③ lights up or goes out.

If you switch off the ignition, the steering wheel heating is deactivated.

Problems with the steering wheel heating

Problem	Possible causes/consequences and ▶ Solutions
The steering wheel heating has switched itself off prematurely or cannot be switched on.	The on-board voltage is too low because too many electrical consumers are switched on. ▶ Switch off electrical consumers that you do not need, such as the rear window heating or interior lighting.

EASY-ENTRY/EXIT feature

Important safety notes

⚠ WARNING

When the EASY-ENTRY/EXIT feature adjusts the steering wheel and the driver's seat, you and other vehicle occupants – particularly children – could become trapped. There is a risk of injury.

While the EASY-ENTRY/EXIT feature is making adjustments, make sure that no one has any body parts in the sweep of the seat and the steering wheel.

If there is a risk of becoming trapped by

- the steering wheel: move the steering wheel adjustment lever.
- the seat: press the switch for seat adjustment.

The adjustment process is stopped.

Press one of the memory function position switches. The adjustment process is stopped. This function is only available on vehicles with a memory function.

⚠ WARNING

If children activate the EASY-ENTRY/EXIT feature, they can become trapped, particularly when unattended. There is a risk of injury.

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

⚠ WARNING

If you drive off while the EASY-ENTRY/EXIT feature is making adjustments, you could lose control of the vehicle. There is a risk of an accident.

Always wait until the adjustment process is complete before driving off.

The EASY-ENTRY/EXIT feature makes getting in and out of your vehicle easier.

You can activate and deactivate the EASY-ENTRY/EXIT feature using the multimedia system (see the separate operating instructions).

Position of the steering wheel and the driver's seat when the EASY-ENTRY/EXIT feature is active

The steering wheel tilts upwards and the driver's seat moves backwards if you:

- remove the key from the ignition lock
- **with KEYLESS-GO:** open the driver's door; KEYLESS-GO must be in position **1**
- **with the key:**open the driver's door; the key must be in position **0** or **1** in the ignition lock (▷ page 175)
- open the driver's door when the ignition is switched off

ⓘ The steering wheel only tilts upwards and the driver's seat only moves backwards if the driving position is stored after seat or steering wheel adjustment.

The last position of the steering wheel or seat is stored if:

- the ignition is switched off
- the setting is stored using the memory function (▷ page 135)

ⓘ The steering wheel only moves upwards if it has not already reached the upper stop. The driver's seat moves backwards unless it is already in the rearmost position.

Position of the steering wheel and the driver's seat for driving

The steering wheel and the driver's seat are moved to the previously set position if:

- the driver's door is closed and you insert the key into the ignition lock
- you close the driver's door when the ignition is switched on
- you press the Start/Stop button once on vehicles with KEYLESS-GO

ⓘ The steering wheel and the driver's seat only return to the last set position when the driving position is stored after seat or steering wheel adjustment.

The last position of the steering wheel or seat is stored if:

- the ignition is switched off
- the setting is stored using the memory function (▷ page 135)

Crash-responsive EASY-EXIT feature

If the crash-responsive EASY-EXIT feature is triggered in an accident, the steering column will move upwards when the driver's door is opened or the key is removed from the ignition lock. This makes it easier to exit the vehicle and rescue the occupants.

The crash-responsive EASY-EXIT feature is only operational if the EASY-EXIT/ENTRY feature is activated in the multimedia system (see the separate operating instructions).

Mirrors

Rear-view mirror



▶ **Anti-dazzle mode:** pivot anti-dazzle switch ① forwards or back.

Exterior mirrors

Important safety notes

⚠ WARNING

You could lose control of the vehicle while driving if you:

- adjust the driver's seat, steering wheel or mirrors
- fasten the seat belt

There is a risk of an accident.

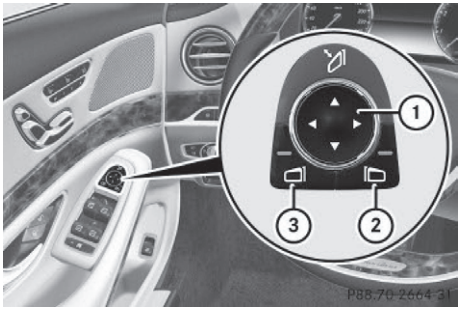
Adjust the driver's seat, head restraint, steering wheel and mirrors and fasten your seat belt before starting the engine.

⚠ WARNING

The exterior mirrors reduce the size of the image. Objects visible in the mirrors are closer than they appear. You could misjudge the distance from road users driving behind you when changing lanes, for instance. There is a risk of an accident.

You should therefore always look over your shoulder to determine the actual distance from road users driving behind you.

Adjusting the exterior mirrors

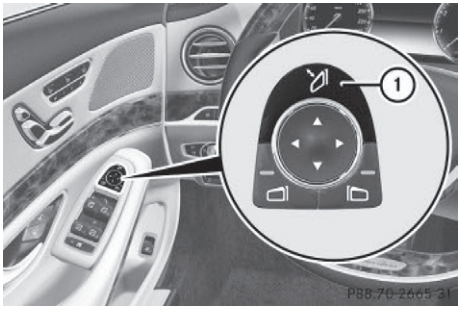


- ▶ Turn the key to position **1** or **2** in the ignition lock (▷ page 175).
- ▶ Press button ② for the right-hand exterior mirror or button ③ for the left-hand exterior mirror.
  The indicator lamp lights up in the button that has been pressed.
  The indicator lamp goes out again after some time. You can adjust the selected mirror using adjustment button ① as long as the indicator lamp is lit.
- ▶ Press adjustment button ① up, down, or to the left or right until you have adjusted the exterior mirror to the correct position. You should have a good overview of traffic conditions.

The convex exterior mirrors provide a larger field of vision.

After the engine has been started, the exterior mirrors are automatically heated if the rear window heating is switched on and the outside temperature is low.

Folding the exterior mirrors in/out electrically



- ▶ Turn the key to position **1** or **2** in the ignition lock (▷ page 175).
- ▶ Briefly press button ①.
  Both exterior mirrors fold in or out.

ⓘ Make sure that the exterior mirrors are always folded out fully while driving. They could otherwise vibrate.

ⓘ If you are driving faster than 47 km/h, you can no longer fold in the exterior mirrors.

Resetting the exterior mirrors

If the battery has been disconnected or completely discharged, the exterior mirrors must be reset. The exterior mirrors will otherwise not fold in when you select the "Fold in mirrors when locking" function in the on-board computer.

- ▶ Turn the key to position **1** or **2** in the ignition lock (▷ page 175).
- ▶ Press the ① button.

Folding the exterior mirrors in/out automatically

When the Automatic mirror-folding function function is activated via the multimedia system (see the separate operating instructions):

- the exterior mirrors fold in automatically as soon as you lock the vehicle from the outside
- the exterior mirrors fold out automatically again as soon as you unlock the vehicle

ⓘ If the exterior mirrors have been folded in manually, they do not fold out.

Exterior mirror pushed out of position

If an exterior mirror has been pushed out of position (forwards or backwards), proceed as follows:

- ▶ Press and hold button ① until you hear a click and the mirror engages audibly into position (▷ page 133).
  The mirror housing is engaged again and you can adjust the exterior mirrors as usual (▷ page 132).

Automatic anti-dazzle mirrors

⚠ **WARNING**

Electrolyte may escape if the glass of an automatic anti-dazzle mirror breaks. Electrolyte is harmful and causes irritation. It must not come into contact with your skin, eyes, respiratory organs or clothing or be swallowed. There is a risk of injury.

If you come into contact with electrolyte, observe the following:

- immediately rinse off electrolyte from your skin with water.
- immediately and thoroughly rinse electrolyte out of eyes using clean water.
- if electrolyte is swallowed, immediately rinse out your mouth thoroughly. Do not induce vomiting.
- if electrolyte comes into contact with skin or eyes or is swallowed, seek medical attention immediately.
- immediately change out of clothing that has been in contact with electrolyte.
- if an allergic reaction occurs, seek medical attention immediately.

The rear-view mirror and the exterior mirror on the driver's side automatically go into anti-dazzle mode if the following conditions are met simultaneously:

- the ignition is switched on
- incident light from headlamps strikes the sensor in the rear-view mirror

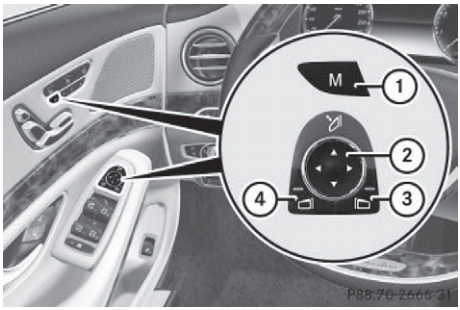
The mirrors do not dip if reverse gear is engaged or if the interior lighting is switched on.

Parking position of the exterior mirror on the front-passenger side

Setting and storing the parking position

You can set the front-passenger side exterior mirror so that you can see the rear wheel on that side as soon as you engage reverse gear. You can store this position.

Using reverse gear



① Memory button **M**
② Adjustment button
③ Button for the exterior mirror on the front-passenger side
④ Button for the exterior mirror on the driver's side

▶ Turn the key to position **2** in the ignition lock (▷ page 175).
▶ Press button ③ for the exterior mirror on the front-passenger side.
▶ Engage reverse gear.
The exterior mirror on the front-passenger side moves to the preset parking position.
▶ Use adjustment button ② to adjust the exterior mirror to a position that allows you to see the rear wheel and the kerb.
The parking position is stored.

ⓘ If you shift the transmission to another position, the exterior mirror on the front-passenger side returns to the driving position after approximately ten seconds.

Using the memory button

You can store the parking position of the exterior mirror on the front-passenger side using memory button **M** ①. The reverse gear must not be engaged during the process.

▶ Turn the key to position **2** in the ignition lock (▷ page 175).
▶ Press button ③ for the exterior mirror on the front-passenger side.
▶ Use adjustment button ② to adjust the exterior mirror to a position that allows you to see the rear wheel and the kerb.

- ▶ Press memory button **M** ① and one of the arrows on adjustment button ② within three seconds.
  The parking position is stored if the exterior mirror does not move.
- ▶ If the mirror moves out of position, repeat the steps.

Calling up a stored parking position

- ▶ Turn the key to position **2** in the ignition lock (▷ page 175).
- ▶ Adjust the exterior mirror on the front-passenger side using button ③.
- ▶ Engage reverse gear.
  The exterior mirror on the front-passenger side moves to the stored parking position.

The exterior mirror on the front-passenger side moves back to its original position:

- as soon as you exceed a speed of 15 km/h
- about ten seconds after you have disengaged reverse gear
- if you press button ④ for the exterior mirror on the driver's side.

Memory function

Important safety notes

⚠ WARNING

If you use the memory function on the driver's side while driving, the adjustments could cause you to lose control of the vehicle. There is a risk of an accident.

Only use the memory function on the driver's side while the vehicle is stationary.

⚠ WARNING

When the memory function adjusts the seat or steering wheel, you and other vehicle occupants – particularly children – could become trapped. There is a risk of injury.

While the memory function is making adjustments, make sure that no one has any body parts in the sweep of the seat or steering wheel. If somebody becomes trapped, immediately release the memory function position button. The adjustment process is stopped.

⚠ WARNING

If children activate the memory function, they could become trapped, especially if they are unattended. There is a risk of injury.

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

The memory function can be used at any time, e.g. even when the key is not in the ignition lock.

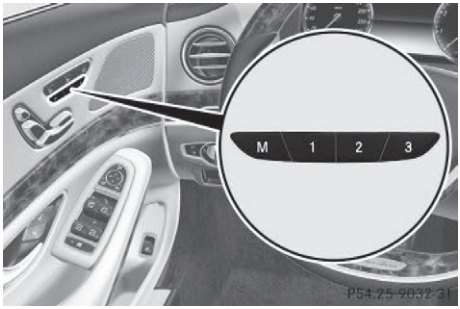
Storing settings

The memory function is only available in vehicles with the memory package.

With the memory function, you can store up to three different settings, e.g. for three different people.

The following settings are stored as a single memory preset:

- seat, backrest, head restraint position and contour of the backrest in the lumbar region
- active multicontour seat: side bolsters of the backrest, shoulder of the backrest, contour of the backrest, dynamic function level
- seat heating: distribution of the heated sections of the seat cushion and backrest
- driver's side: position of the exterior mirrors on the driver's and front-passenger sides



- ▶ Adjust the seat accordingly (▷ page 114).
- ▶ On the driver's side, adjust the steering wheel (▷ page 130) and the exterior mirrors (▷ page 132).
- ▶ Press memory button **M** and then press save position button **1**, **2** or **3** within three seconds.
  The settings are stored in the selected preset position. A tone sounds when the settings have been completed.

Calling up a stored setting

- ▶ Press and hold the relevant storage position button **1**, **2** or **3** until the:
  - seat
  - steering wheel
  - exterior mirrors

  are in the stored position.

ⓘ If you release the storage position button, the seat, steering wheel and mirror setting functions stop immediately. The multicontour seat setting or the 4-way lumbar support is still carried out.

Memory function in the rear compartment

Important safety notes

⚠ WARNING

When the memory function adjusts the seat or steering wheel, you and other vehicle occupants – particularly children – could become trapped. There is a risk of injury.

While the memory function is making adjustments, make sure that no one has any body parts in the sweep of the seat or steering wheel. If somebody becomes trapped, immediately release the memory function position button. The adjustment process is stopped.

⚠ WARNING

If children activate the memory function, they could become trapped, especially if they are unattended. There is a risk of injury.

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

General notes

The settings for the rear seat and the front-passenger seat can be stored using the rear-compartment memory function.

- If the indicator lamp in the button is not lit, store the rear seat settings.
- If the indicator lamp in the button lights up, store the front-passenger seat and rear seat settings. Both the front-passenger and rear seat are taken into account with this setting. Depending on the equipment in the vehicle, two or three memory positions can be stored for the front-passenger and rear seats.

Storing settings

General notes

With the memory function in the rear, you can store up to three different settings, e.g. for three different people.

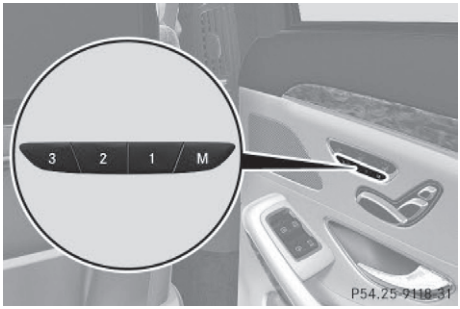
The following settings are stored as a single memory preset:

- position of the seat, backrest and head restraint
- multicontour seat: the seat cushions of the backrest as well as the contour of the backrest in the lumbar and shoulder regions
- seat heating: distribution of the heated sections of the seat cushion and backrest if the indicator lamp in the button is not lit

The following settings are stored to a memory position, if the indicator lamp in the button lights up:

- position of the footrest for the front-passenger seat, if available
- position of the screen, if available

Vehicles without rear reclining seat



The key must be in the ignition lock and in position **1** or **2**, in order for the front-passenger seat to be selected (▷ page 175).

To select the rear-compartment seat

- ▶ Press button repeatedly until the indicator lamp in the button is not lit.
  The rear-compartment seat is selected if the indicator lamp in the button is not lit.
- ▶ Adjust the rear seat accordingly (▷ page 115).
- ▶ Press memory button **M** and then press storage position button **1**, **2** or **3** within three seconds.
  The settings are stored in the selected storage position.

To select the front-passenger seat and rear-compartment seat

- ▶ Press button repeatedly until the indicator lamp in the button is not lit.
  The rear-compartment seat is selected if the indicator lamp in the button is not lit.
- ▶ Adjust the rear seat accordingly (▷ page 115).
- ▶ Press button repeatedly until the indicator lamp in the button lights up.
  The front-passenger seat is selected if the indicator lamp in the button lights up.
- ▶ Adjust the front-passenger seat accordingly (▷ page 116).
- ▶ Press memory button **M** and then press storage position button **1**, **2** or **3** within three seconds.
  The settings are stored in the selected storage position.

Vehicles with a rear reclining seat



The key must be in the ignition lock and in position **1** or **2**, in order for the front-passenger seat to be selected (▷ page 175).

To select the rear-compartment seat

- ▶ Press the button repeatedly until the indicator lamp in the button is not lit.
  The rear-compartment seat is selected if the indicator lamp in the button is not lit.
- ▶ Adjust the rear seat accordingly (▷ page 115).
- ▶ Press the **M** memory button and then press either the **1** or **2** memory button within three seconds.
  The settings are stored in the selected storage position.

To select the front-passenger seat and rear-compartment seat

- ▶ Press the button repeatedly until the indicator lamp in the button is not lit.
  The rear-compartment seat is selected if the indicator lamp in the button is not lit.
- ▶ Adjust the rear seat accordingly (▷ page 115).
- ▶ Press the button repeatedly until the indicator lamp in the button lights up.
  The front-passenger seat is selected if the indicator lamp in the button lights up.
- ▶ Adjust the front-passenger seat accordingly (▷ page 116).
- ▶ Press the **M** memory button and then press either the **1** or **2** memory button within three seconds.
  The settings are stored in the selected storage position.

You cannot store any settings on the button for setting the reclined position.

Calling up a stored setting

General notes

The memory positions in the area for the chauffeur mode can only be set when the conditions for the chauffeur mode are fulfilled (▷ page 119).

Vehicles without rear reclining seat

The key must be in the ignition lock and in position **1** or **2**, in order for the front-passenger seat to be selected (▷ page 175).

- **To call up the stored rear seat setting:** press the button repeatedly until the indicator lamp in the button is not lit.
- **To call up the stored front-passenger seat and rear seat settings:** press the button repeatedly until the indicator lamp in the button lights up.
- Press and hold the relevant storage position button **1**, **2** or **3** until the rear seat or the front-passenger seat are in the stored position.

Seat adjustment is interrupted as soon as you release the storage position button. The adjustment of the multicontour seat is still carried out.

Vehicles with a rear reclining seat

The key must be in the ignition lock and in position **1** or **2**, in order for the front-passenger seat to be selected (▷ page 175).

- **To call up the stored rear seat setting:** press the button repeatedly until the indicator lamp in the button is not lit.
- **To call up the stored front-passenger seat and rear seat settings:** press the button repeatedly until the indicator lamp in the button lights up.
- Press and hold the relevant storage position button **1** or **2** until the rear seat or the front-passenger seat is in the stored position.

Seat adjustment is interrupted as soon as you release the storage position button. The adjustment of the multicontour seat is still carried out.

Useful information

This Owner's Manual describes all models, series and optional equipment for your vehicle that were available at the time of going to press. National variations are possible. Note that your vehicle may not be equipped with all of the functions described. This is also the case for systems and functions relevant to safety.

Read the information on qualified specialist workshops: (▷ page 30).

Exterior lighting

General notes

For reasons of safety, Mercedes-Benz recommends that you drive with the lights switched on even during the daytime. In some countries, operation of the headlamps varies due to legal requirements and self-imposed obligations.

Driving abroad

General notes

If your journey takes you to countries where vehicles are driven on the opposite side of the road to the country in which the vehicle is registered, your headlamps must be switched to symmetrical dipped beam as soon as possible after crossing the border (exception: vehicles with static LED headlamps). This prevents oncoming traffic from being dazzled. Symmetrical lights do not illuminate as large an area of the edge of the carriageway.

Vehicles with static LED headlamps

It is not necessary to switch your headlamps to symmetrical dipped beam when driving in countries where vehicles are driven on the opposite side of the road to the country in which the vehicle is registered. Legal requirements are fulfilled without switching the headlamps to symmetrical dipped beam.

Vehicles with Intelligent Light System

▶ Before crossing the border, set the headlamps to symmetrical dipped beam and after returning back to asymmetrical dipped beam via the "Dipped-beam headlamps for driving on the right/left" function in the on-board computer (▷ page 310).

If the headlamps are converted to symmetrical dipped beam, the "motorway mode" and "extended range foglamps" functions are not available.

Setting the exterior lighting

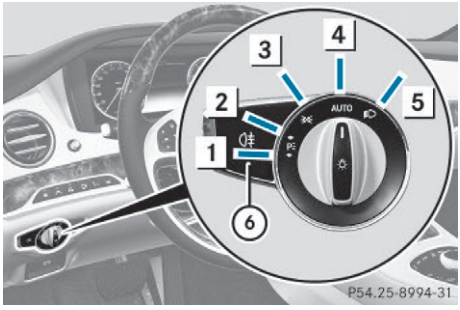
Setting options

Exterior lighting can be set by:

- using the light switch
- using the combination switch (▷ page 141)
- using the on-board computer (▷ page 309)

Light switch

Operation



1 Left-hand parking lamps
2 Right-hand parking lamps
3 Side lamps, licence plate and instrument cluster lighting
4 AUTO Automatic headlamp mode, controlled by the light sensor
5 Dipped-beam/main-beam headlamps
6 Rear fog lamp

If you hear a warning tone when you leave the vehicle, the lights may still be switched on.

▶ Turn the light switch to the AUTO position.

The exterior lighting (except the side lamps/parking lamps) switches off automatically if you:

- remove the key from the ignition lock
- open the driver's door with the key in position **0** in the ignition lock

Automatic headlamp mode

⚠ WARNING

When the light switch is set to AUTO, the dipped-beam headlamps may not be switched on automatically if there is fog, snow or other causes of poor visibility due to the weather conditions such as spray. There is a risk of an accident.

In such situations, turn the light switch to the position.

The automatic headlamp feature is only an aid. The driver is responsible for the vehicle lighting at all times.

The daytime driving lights improve the detectability of your vehicle during the day. Here, the Daytime driving lights function must be switched on via the on-board computer (▷ page 310).

When the side lamps and dipped-beam headlamps are switched on, the green (side lamps) and (dipped-beam headlamps) indicator lamps in the instrument cluster light up.

AUTO is the preferred light switch setting. The light setting is automatically selected according to the brightness of the ambient light (exception: poor visibility due to weather conditions such as fog, snow or spray):

- Key in position **1** in the ignition lock: the side lamps are switched on or off automatically depending on the brightness of the ambient light
- With the engine running: if you have switched on the Daytime driving lights function in the on-board computer, the daytime driving lights or the side lamps and dipped-beam headlamps are switched on or off automatically depending on the brightness of the ambient light.

▶ **To switch on the automatic headlamps:** turn the light switch to the AUTO position.

Dipped-beam headlamps

When the ignition is switched on and the light switch is in the position, the side lamps and dipped-beam headlamps are switched on even if the light sensor does not sense dark ambient light conditions. This is advantageous when there is fog or rain.

▶ **To switch on the dipped-beam headlamps:** turn the key in the ignition lock to position **2** or start the engine.

▶ Turn the light switch to the position. The green indicator lamp in the instrument cluster lights up.

Rear fog lamp

The rear foglamp improves the visibility of your vehicle in heavy fog for the following traffic. Please observe the country-specific laws on the use of rear foglamps.

▶ **To switch on the rear foglamp:** turn the key in the ignition lock to position **2** or start the engine.

▶ Turn the light switch to the or AUTO position.

▶ Press the button. The yellow indicator lamp in the instrument cluster lights up.

▶ **To switch off the rear foglamp:** press the button. The yellow indicator lamp in the instrument cluster goes out.

Side lamps

! If the battery has been discharged to a low charge level, the side lamps or parking lamps are automatically switched off to enable the next engine start. Always leave your vehicle in a safe position and adequately lit in accordance with traffic regulations. Avoid using the side lamps for a period of several hours. If possible, switch on the right or left parking lamp.

▶ **To switch on:** turn the light switch to the position. The green indicator lamp in the instrument cluster lights up.

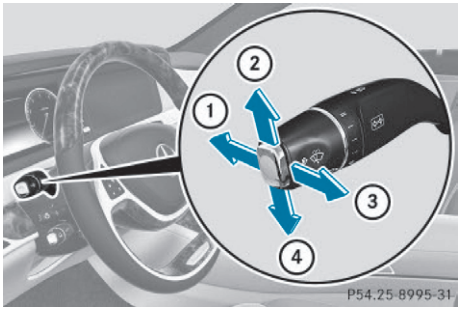
Parking lamps

Switching on the parking lamps ensures that the corresponding side of the vehicle is illuminated.

- ▶ **To switch on the parking lamps:** the key should not be in the ignition lock or it should be in position **0**.
- ▶ Turn the light switch to the ⇤P≤ (left-hand side of the vehicle) or P≤⇥ (right-hand side of the vehicle) position.

Combination switch

Turn signals



① Main-beam headlamps
② Turn signal, right
③ Headlamp flasher
④ Turn signal, left

- ▶ **To indicate briefly:**press the combination switch briefly to the pressure point in the direction of arrow ② or ④.
  The corresponding turn signal flashes three times.
- ▶ **To indicate:**press the combination switch beyond the pressure point in the direction of arrow ② or ④.

Main-beam headlamps

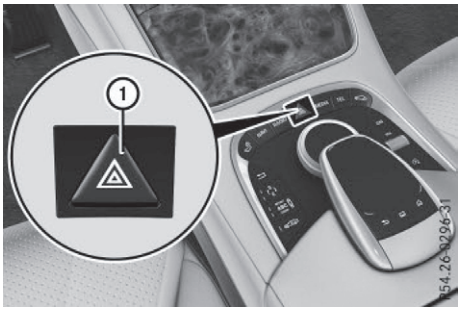
- ▶ **To switch on manually:** turn the key to position **2** in the ignition lock or start the engine.
- ▶ Vehicles without Adaptive Highbeam Assist Plus: turn the light switch to position ≡D or AUTO.
- ▶ Vehicles with Adaptive Highbeam Assist Plus: turn the light switch to the ≡D position.
- ▶ Press the combination switch beyond the pressure point in the direction of arrow ①.
  In the AUTO position, the main-beam headlamps are only switched on when it is dark and the engine is running.
  The blue ≡D indicator lamp in the instrument cluster lights up when the main-beam headlamps are switched on.
- ▶ **To switch off:**move the combination switch back to its normal position.
  The blue ≡D indicator lamp in the instrument cluster goes out.

Vehicles with Adaptive Highbeam Assist Plus: if Adaptive Highbeam Assist Plus is activated, it automatically controls activation and deactivation of the main-beam headlamps (▷ page 143).

Headlamp flasher

- ▶ **To switch on:** turn the key in the ignition lock to position **1** or **2**, or start the engine.
- ▶ Pull the combination switch in the direction of arrow ③.

Hazard warning lamps



- ▶ **To switch on the hazard warning lamps:**press button ①.
  All turn signals flash. If you now switch on a turn signal using the combination switch, only the turn signal lamp on the corresponding side of the vehicle will flash.
- ▶ **To switch off the hazard warning lamps:**press button ①.

The hazard warning lamps switch on automatically if:

- an airbag is deployed or
- the vehicle decelerates rapidly from a speed of above 70 km/h and comes to a standstill

The hazard warning lamps switch off automatically if the vehicle reaches a speed of above 10 km/h again after a full brake application.

The hazard warning lamps continue to operate even if the ignition is switched off.

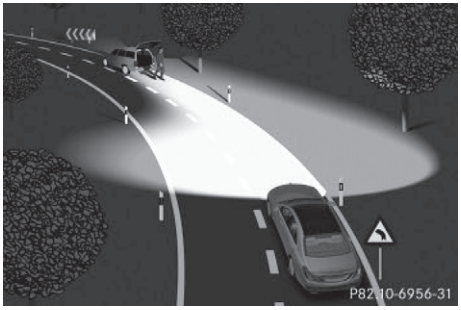
Intelligent Light System

General notes

The Intelligent Light System is a system that adjusts the headlamps automatically to suit the prevailing driving and weather conditions. It offers advanced functions for improved illumination of the road surface, e.g. depending on the vehicle speed or weather conditions. The system includes the active light function, cornering light function, motorway mode and extended range foglamps. The system is only active when it is dark.

You can activate or deactivate the "Intelligent Light System" function using the on-board computer (▷ page 309).

Active light function



The active light function is a system that moves the headlamps according to the steering movements of the front wheels. In this way, relevant areas remain illuminated while you are driving. This allows you to recognise pedestrians, cyclists and animals.

Active: when the lights are switched on.

Cornering light function



The cornering light function improves the illumination of the road over a wide angle in the direction you are turning, enabling better visibility in tight bends, for example. It can only be activated when the dipped-beam headlamps are switched on.

Active:

- if you are driving at speeds below 40 km/h and switch on the turn signal or turn the steering wheel.
- if you are driving at speeds between 40 km/h and 70 km/h and turn the steering wheel.

The cornering light function may remain lit for a short time, but is automatically switched off after no more than three minutes.

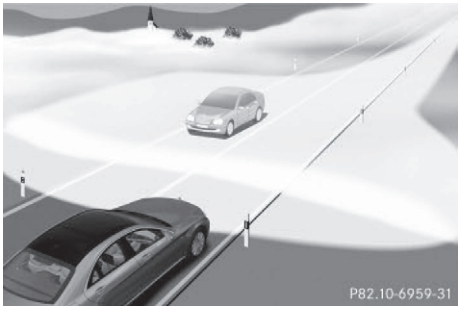
Motorway mode



Active: if you are driving at a speed above 110 km/h and do not make any large steering movements for at least 1,000 m or if you are driving at a speed above 130 km/h.

Not active: if you are driving at speeds below 80 km/h following activation.

Extended range foglamps



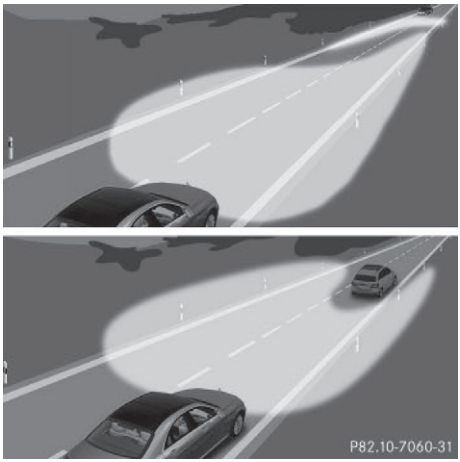
The extended range foglamps reduce the glare experienced by the driver and improve the illumination of the edge of the carriageway.

Active: if you are driving at speeds below 70 km/h and you switch on the rear foglamp.

Not active:if, following activation, you are driving at speeds above 100 km/h or if you switch off the rear foglamp.

Adaptive Highbeam Assist Plus

General notes



With Adaptive Highbeam Assist Plus, you can automatically switch between dipped-beam, partial main-beam and main-beam headlamps.

Partial main-beam illumination is a form of illumination whereby the main beam is directed past other road users. Other road users are kept out of the main-beam. This prevents glare. If there is a vehicle in front, for example, the main-beam headlamps illuminate the areas to its right and left, and the vehicle in front is illuminated by the dipped-beam headlamps.

The system automatically adapts the dipped-beam headlamp range depending on the distance to the other vehicle. Once the system no longer detects any other vehicles, it switches on the main-beam headlamps again.

If the main-beam or partial main-beam headlamps are causing too much reflection from traffic signs, the lights are automatically dimmed and glare for the driver caused by the reflections is thus avoided.

The system's optical sensor is located behind the windscreen near the overhead control panel.

Important safety notes

⚠ WARNING

Adaptive Highbeam Assist Plus does not recognise road users:

- who have no lights, e.g. pedestrians
- who have poor lighting, e.g. cyclists
- whose lighting is blocked, e.g. by a barrier

In very rare cases, Adaptive Highbeam Assist Plus may not recognise road users who do have lights, or may recognise them too late. In this, or in similar situations, the automatic main-beam headlamps will not be deactivated or will be activated despite the presence of other road users. There is a risk of an accident.

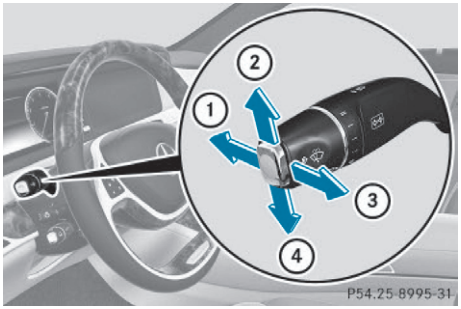
Always carefully observe the traffic conditions and switch off the main-beam headlamps in good time.

Adaptive Highbeam Assist Plus cannot take into account road, weather or traffic conditions. 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.

In particular, the detection of obstacles can be restricted if there is:

- poor visibility, e.g. due to fog, heavy rain or snow
- dirt on the sensors or if the sensors are obscured

Switching Adaptive Highbeam Assist Plus on/off



① Main-beam headlamps
② Turn signal, right
③ Headlamp flasher
④ Turn signal, left

▶ **To switch on:** turn the light switch to AUTO.

▶ Press the combination switch beyond the pressure point in the direction of arrow ①. The indicator lamp in the multifunction display lights up when it is dark and the light sensor switches on the dipped-beam headlamps.

At speeds above approx.25 km/h: the headlamp range is automatically controlled according to the distance to other road users.

At speeds above approx.30 km/h:

- If no other road users are detected, the main-beam headlamps are automatically switched on.
- If other road users are detected, the partial main-beam headlamps are automatically switched on.

The indicator lamp in the instrument cluster also lights up.

At speeds below approx.25 km/hor when there is sufficient street lighting:

- The partial main-beam headlamps are switched off automatically.
- The main-beam headlamps are switched off automatically.

The indicator lamp in the instrument cluster goes out. The indicator lamp in the multifunction display remains lit.

▶ **To switch off:**move the combination switch back to its normal position or move the light switch to another position.
The indicator lamp in the multifunction display goes out.

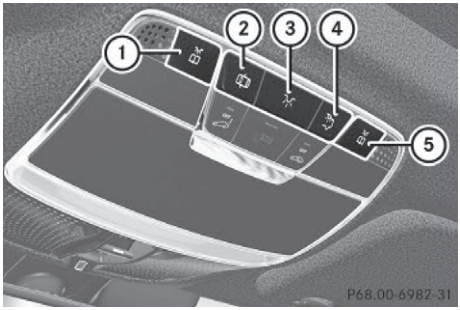
Headlamps misted up on the inside

Certain climatic and physical conditions may cause moisture to form in the headlamp. This moisture does not affect the functionality of the headlamp.

Interior lighting

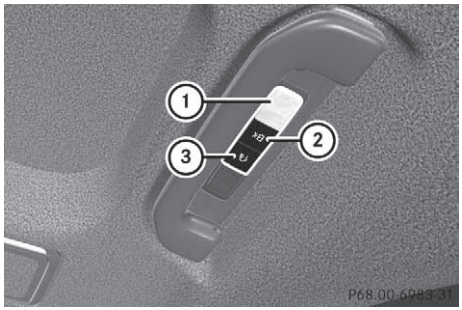
Overview of interior lighting

Front overhead control panel



① Switches the left-hand front reading lamp on/off
② Switches the automatic interior lighting control on/off
③ Switches the front interior lighting on/off
④ Switches the rear interior lighting on/off
⑤ Switches the right-hand front reading lamp on/off

Control panel in the grab handle (rear compartment)



- ▶ **To activate on the corresponding side of the vehicle:** press button ②.
  Reading lamp ① and the make-up lamp light up.
- ▶ **To switch off:** press button ②.
  Press once: the make-up lamp goes out.
  Press twice: reading lamp ① goes out.
- ▶ **To activate on both sides of the vehicle:** press button ③.
  Reading lamp ① and the make-up lamp light up.
- ▶ **To switch off:** press button ③.
  Reading lamp ① and the make-up lamp go out.

Interior lighting control

General notes

In order to prevent the vehicle's battery from discharging, the interior lighting functions are automatically deactivated after some time except for when the key is in position **2** in the ignition lock.

The colour, brightness, zone and display lighting for the ambient lighting are set using the multimedia system (see the separate operating instructions).

The interior lighting control can be operated using the front overhead control panel.

Automatic interior lighting control

- ▶ **To switch on or off:** press the button.
  When the automatic interior lighting control is switched on, the button is flush with the overhead control panel.

The interior lighting automatically switches on if you:

- unlock the vehicle
- open a door
- remove the key from the ignition lock

The interior lighting is activated for a short time when the key is removed from the ignition lock. This delayed switch-off can be adjusted via the multimedia system (see the separate operating instructions).

Manual interior lighting control

- ▶ **To switch the front interior lighting on/off:** press the button.
- ▶ **To switch rear interior lighting on or off:** press the button.
- ▶ **To switch the reading lamp on or off:** press the button.

Crash-responsive emergency lighting

The interior lighting is activated automatically if the vehicle is involved in an accident.

- ▶ **To switch off the crash-responsive emergency lighting:**press the hazard warning lamp button.

or

- ▶ Lock and then unlock the vehicle using the key.

Replacing bulbs

The front and rear light clusters of your vehicle are equipped with LED light bulbs. Do not replace the bulbs yourself. Contact a qualified specialist workshop which has the necessary specialist knowledge and tools to carry out the work required.

Lamps are an important aspect of vehicle safety. You must therefore make sure that these function correctly at all times. Have the headlamp setting checked regularly.

Windscreen wipers

Switching the windscreen wipers on/off

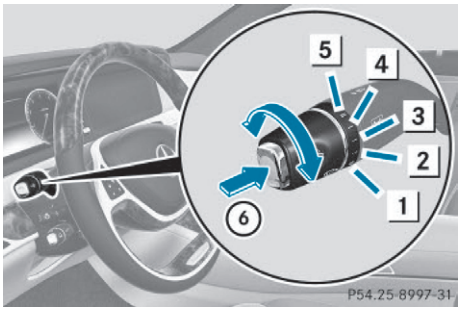
! Do not operate the windscreen wipers when the windscreen is dry, as this could damage the wiper blades. Moreover, dust that has collected on the windscreen can scratch the glass if wiping takes place when the windscreen is dry.

If it is necessary to switch on the windscreen wipers in dry weather conditions, always operate them using washer fluid.

! If the windscreen wipers leave smears on the windscreen after the vehicle has been washed in an automatic car wash, this may be due to wax or other residue. Clean the windscreen with washer fluid after an automatic car wash.

! Vehicles with a rain sensor: if the windscreen becomes dirty in dry weather conditions, the windscreen wipers may be activated inadvertently. This could damage the windscreen wiper blades or scratch the windscreen.

For this reason, you should always switch off the windscreen wipers in dry weather.



1 0 Windscreen wipers off
2 ••• Intermittent wipe, low (rain sensor set to low sensitivity)
3 •••• Intermittent wipe, high (rain sensor set to high sensitivity)
4 — Continuous wipe, slow
5 = Continuous wipe, fast
⑥ Single wipe/ to wipe the windscreen using washer fluid

▶ Switch on the power supply with the Start/Stop button or the key (▷ page 175).
▶ Turn the combination switch to the corresponding position.

In the ••• or •••• position, the appropriate wiping frequency is set automatically according to the intensity of the rain. In the •••• position, the rain sensor is more sensitive than in the ••• position, causing the windscreen wipers to wipe more frequently.

Vehicles with MAGIC VISION CONTROL: the washer fluid is fed through the wiper blades and when wiping with washer fluid the washer fluid is emitted directly from the blades.

Vehicles with MAGIC VISION CONTROL: if you push the combination switch beyond the point of resistance in the direction of arrow ⑥ and hold it in this position, the manual wash programme is activated. If you briefly push the combination switch beyond the point of resistance in the direction of arrow ⑥, the automatic wash programme is activated.

If the wiper blades are worn, the windscreen will no longer be wiped properly. This could prevent you from observing the traffic conditions.

Replacing the wiper blades

Important safety notes

⚠ WARNING

If the windscreen wipers begin to move while you are changing the wiper blades, you can be trapped by the wiper arm. There is a risk of injury.

Always switch off the windscreen wipers and ignition before changing the wiper blades.

! To avoid damaging the windscreen wiper blades, make sure that you touch only the wiper arm of the windscreen wiper.

! Never open the bonnet if a windscreen wiper arm has been folded away from the windscreen.

Hold the windscreen wiper arm firmly when you change the wiper blade. If you release the windscreen wiper arm without a wiper blade and it falls onto the windscreen, the windscreen may be damaged by the force of the impact.

Mercedes-Benz recommends that you have the wiper blades changed at a qualified specialist workshop.

! Always position the windscreen wiper arms vertically before folding them away from the windscreen. By doing so, you will avoid damage to the bonnet.

Replacing the wiper blades (standard windscreen wipers)

Moving the wiper blades to a vertical position

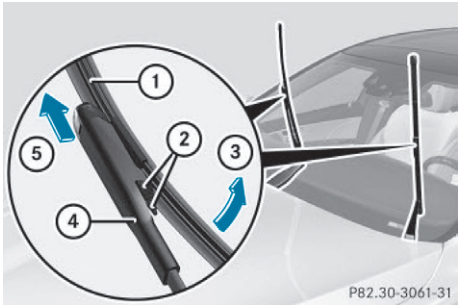
On vehicles without KEYLESS-GO:

- ▶ Turn the key to position **0** in the ignition lock (▷ page 175).
- ▶ Set the windscreen wipers to the — position.
- ▶ Turn the key to position **1** in the ignition lock (▷ page 175).
- ▶ As soon as the wiper arms are vertical to the bonnet, turn the key to position **0** in the ignition lock (▷ page 175).
- ▶ Remove the key.
- ▶ Fold the wiper arms away from the windscreen until you feel them snap into place.

On vehicles with KEYLESS-GO:

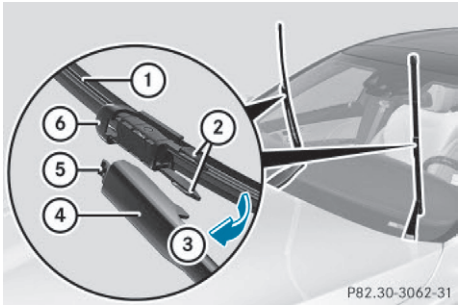
- ▶ Switch off the engine.
- ▶ Remove your foot from the brake pedal.
- ▶ Set the windscreen wipers to position —.
- ▶ Press the Start/Stop button repeatedly until the windscreen wipers start.
- ▶ When the wiper arms have reached the vertical position, press the Start/Stop button repeatedly until the windscreen wipers stop.
- ▶ Fold the wiper arms away from the windscreen until you feel them snap into place.

Removing the wiper blades



- ▶ Press both release clips ②.
- ▶ Fold wiper blade ① in the direction of arrow ③ away from wiper arm ④.
- ▶ Remove wiper blade ① in the direction of arrow ⑤.

Fitting the wiper blades



- ▶ Position the new wiper blade ① with recess ⑥ on lug ⑤.
- ▶ Fold wiper blade ① in the direction of arrow ③ onto the wiper arm, until retaining clips ② engage in bracket ④.
- ▶ Make sure that wiper blade ① is seated correctly.
- ▶ Fold the wiper arm back onto the windscreen.

Replacing the wiper blades (MAGIC VISION CONTROL)

Moving the wiper blades to a vertical position

On vehicles without KEYLESS-GO:

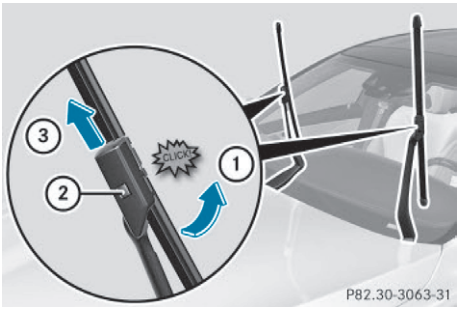
- ▶ Turn the key to position **0** in the ignition lock (▷ page 175).
- ▶ Set the windscreen wipers to position —.

- ▶ Turn the key to position **1** in the ignition lock (▷ page 175).
- ▶ As soon as the wiper arms are vertical to the bonnet, turn the key to position **0** in the ignition lock (▷ page 175).
- ▶ Remove the key.
- ▶ Fold the wiper arms away from the windscreen until you feel them snap into place.

On vehicles with KEYLESS-GO:

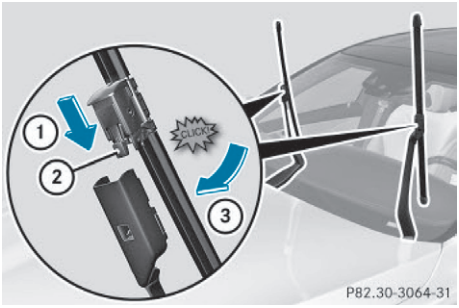
- ▶ Switch off the engine.
- ▶ Remove your foot from the brake pedal.
- ▶ Set the windscreen wipers to position —.
- ▶ Press the Start/Stop button repeatedly until the windscreen wipers start.
- ▶ When the wiper arms have reached the vertical position, press the Start/Stop button repeatedly until the windscreen wipers stop.
- ▶ Fold the wiper arms away from the windscreen until you feel them snap into place.

Removing the wiper blades



- ▶ **To bring the wiper blade into position to be removed:** hold the wiper arm firmly with one hand. With the other hand, turn the wiper blade in the direction of arrow ① beyond the point of resistance.
  The wiper blade engages in the removal position with an audible click.
- ▶ **To remove a wiper blade:** firmly press release knob ② and pull the wiper blade upwards ③.

Fitting the wiper blades



- ▶ Push the new wiper blade in the direction of arrow ① onto the wiper arm until lug ② engages.
- ▶ Push the wiper blade out of the removal position in the direction of arrow ③ beyond the point of resistance.
  The wiper blade disengages with an audible click and is freely movable again.
- ▶ Make sure that the wiper blade is seated correctly.
- ▶ Fold the wiper arm back onto the windscreen.

Problems with the windscreen wipers

Problem	Possible causes/consequences and ▶ Solutions
The windscreen wipers are jammed.	Leaves or snow, for example, may be obstructing windscreen wiper movement. The wiper motor has been deactivated. ▶ Switch off the engine using the Start/Stop button and open the driver's door. ▶ Remove the cause of the obstruction. ▶ Switch the windscreen wipers back on.
The windscreen wipers fail completely.	The windscreen wiper drive is malfunctioning. ▶ Select another wiper speed on the combination switch. ▶ Have the windscreen wipers checked at a qualified specialist workshop.
	The wiper motor has been deactivated. ▶ Switch off the engine using the Start/Stop button and open the driver's door. ▶ Remove the cause of the obstruction. ▶ Switch the windscreen wipers back on.
For a standard wiper system only: the windscreen washer fluid from the spray nozzles no longer hits the centre of the windscreen.	The spray nozzles are misaligned. ▶ Have the spray nozzles adjusted at a qualified specialist workshop.

Useful information

i This Owner's Manual describes all models, series and optional equipment for your vehicle that were available at the time of going to press. National variations are possible. Note that your vehicle may not be equipped with all of the functions described. This is also the case for systems and functions relevant to safety.

i Read the information on qualified specialist workshops: (▷ page 30).

Overview of climate control systems

General notes

Observe the settings recommended on the following pages. The windows could otherwise mist up.

To prevent the windows from misting up:

- switch off climate control only briefly
- activate air-recirculation mode only briefly
- switch on "Cooling with air dehumidification"
- activate the windscreen demisting function briefly, if required

Climate control regulates the temperature and air humidity in the vehicle interior. The air filter cleans the air, thus improving the interior climate.

For vehicles with a combustion engine, the "Cooling with air dehumidification" function is only available when the engine is running. For hybrid vehicles, the "Cooling with air dehumidification" function is also available via the electric refrigerant compressor when the engine is not running. Optimum climate control is only achieved with the side windows and roof closed.

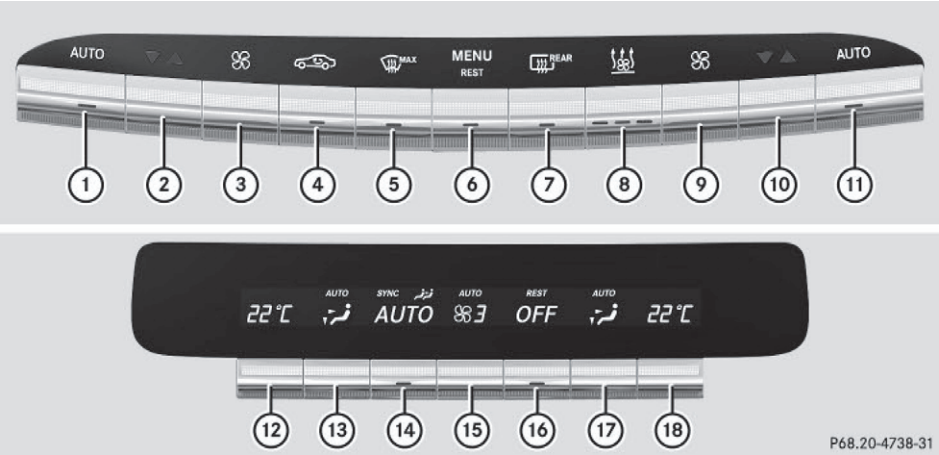
The residual heat function can only be activated or deactivated with the ignition switched off (▷ page 161).

i Ventilate the vehicle for a brief period during warm weather, e.g. using the "Convenience opening" feature (▷ page 103). This will speed up the cooling process and the desired interior temperature will be reached more quickly.

i The integrated filter filters out most particles of dust and soot and completely filters out pollen. It also reduces gaseous pollutants and odours. A clogged filter reduces the amount of air supplied to the vehicle interior. For this reason, you should always observe the interval for replacing the filter, which is specified in the Service Booklet. As this depends on environmental conditions, e.g. heavy air pollution, the interval may be shorter than stated in the Service Booklet.

i It is possible that the blower may be activated automatically 60 minutes after the key has been removed depending on various factors, e.g. the outside temperature. The vehicle is then ventilated for 30 minutes to dry the automatic climate control.

Automatic climate control panel



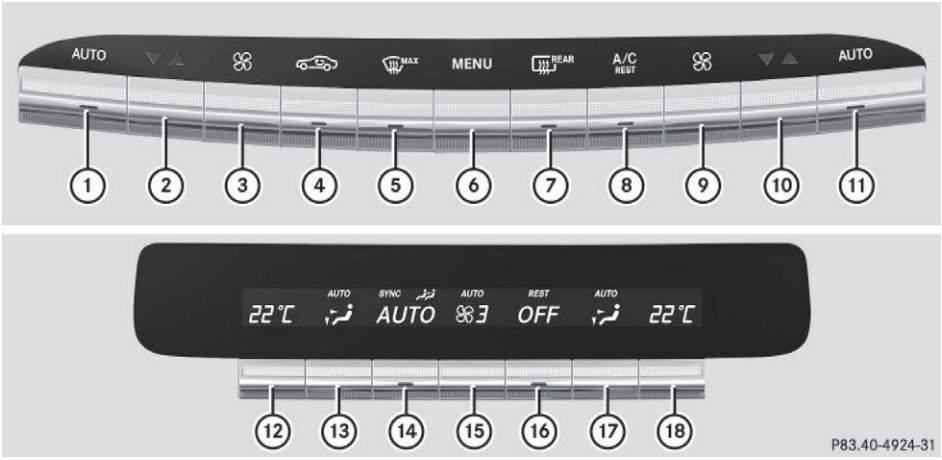
Vehicles with auxiliary heating or PLUG-IN HYBRID

Front control panel

① Sets climate control to automatic, left (▷ page 155)
② Sets the temperature, left (▷ page 157)
③ Sets the airflow, left (▷ page 158)
④ Activates/deactivates air-recirculation mode manually (▷ page 160)
⑤ Demists the windscreen (▷ page 159)
⑥ Calls up the climate control menu of the multimedia system (see separate operating instructions)
Switches the residual heat on/off (▷ page 161)
⑦ Switches the rear window heating on/off (▷ page 159)
⑧ Activates/deactivates the auxiliary heating (▷ page 167)
PLUG-IN HYBRID: to activate or deactivate "Immediate pre-entry climate control" (▷ page 166)
⑨ Sets the airflow, right (▷ page 158)
⑩ Sets the temperature, right (▷ page 157)
⑪ Sets climate control to automatic, right (▷ page 155)

Rear control panel (vehicles with rear-compartment climate control)

⑫ Sets the temperature, left (▷ page 157)
⑬ Sets the air distribution, left (▷ page 158)
⑭ Sets climate control to automatic mode (▷ page 155)
⑮ Sets the airflow (▷ page 158)
⑯ Switches the climate control on/off (▷ page 153)
Switches the residual heat on/off (▷ page 161)
⑰ Sets the air distribution, right (▷ page 158)
⑱ Sets the temperature, right (▷ page 157)



Vehicles without auxiliary heating

Front control panel

① Sets climate control to automatic, left (▷ page 155)
② Sets the temperature, left (▷ page 157)
③ Sets the airflow, left (▷ page 158)
④ Switches air-recirculation mode on/off (▷ page 160)
⑤ Demists the windscreen (▷ page 159)
⑥ Calls up the climate control menu of the multimedia system (see separate operating instructions)
⑦ Switches the rear window heating on/off (▷ page 159)
⑧ Activates/deactivates cooling with air dehumidification (▷ page 154)
Switches the residual heat on/off (▷ page 161)
⑨ Sets the airflow, right (▷ page 158)
⑩ Sets the temperature, right (▷ page 157)
⑪ Sets climate control to automatic, right (▷ page 155)

Rear control panel (vehicles with rear-compartment climate control)

⑫ Sets the temperature, left (▷ page 157)
⑬ Sets the air distribution, left (▷ page 158)
⑭ Sets climate control to automatic mode (▷ page 155)
⑮ Sets the airflow (▷ page 158)
⑯ Switches the climate control on/off (▷ page 153)
Switches the residual heat on/off (▷ page 161)
⑰ Sets the air distribution, right (▷ page 158)
⑱ Sets the temperature, right (▷ page 157)

Notes on using the automatic climate control

Automatic climate control

Below, you can find a number of notes and recommendations to help you use climate control optimally.

- Activate climate control using the AUTO rocker switch. The indicator lamp in the AUTO rocker switch lights up.
- Set the temperature to 22 °C.
- Only use the windscreen demisting function briefly until the windscreen is clear again.
- Only use air-recirculation mode briefly, e.g. if there are unpleasant outside odours or when in a tunnel. The windows could otherwise mist up as no fresh air is drawn into the vehicle in air-recirculation mode.
- Use the residual heat function if you want to heat or ventilate the vehicle interior when the ignition is switched off. The residual heat function can only be activated or deactivated with the ignition switched off. The residual heat function is deactivated when the ignition is switched on.

If you are controlling the rear-compartment climate control using the front control panel, note the following:

- If you set rear-compartment climate control using the front control panel, the symbol appears in the rear-compartment control panel display.
- If the rear-compartment climate control is set using the front control panel, it cannot be set at the same time using the rear control panel. After completing the settings for the rear-compartment climate control using the front control panel, wait five seconds. You will then be able to control the rear climate control using the rear control panel.
- After selecting the rear compartment settings, the front climate control can be controlled automatically again via the multimedia system after five seconds.

  Alternatively, you can select "Cancel rear compartment" in the multimedia system air-conditioning function bar.

ECO start/stop function

During automatic engine switch-off, the climate control only operates at a reduced capacity. If you require the full climate control output, you can switch off the ECO start/stop function by pressing the ECO button (▷ page 180).

Hybrid vehicles

The cooling with air dehumidification function is available when the vehicle is operational and the READY indicator is lit (▷ page 266).

If the internal combustion engine has been shut off automatically, the set interior temperature will be maintained for a certain period of time.

Operating the climate control system

Switching the climate control on/off

General notes

When climate control is switched off, the air supply and air circulation are also switched off. The windows could mist up. Therefore, only switch off climate control briefly.

Switch on climate control primarily using the AUTO rocker switch (▷ page 155).

Activating/deactivating front climate control using the front control panel

- ▶ Turn the key to position **2** in the ignition lock (▷ page 175).
- ▶ **To activate:** press the MENU or MENU REST rocker switch up or down.
  The climate control menu opens.
- ▶ Activate climate control via the air-conditioning setting bar in the multimedia system (see the separate operating instructions).
- ▶ **To deactivate:** press the MENU or MENU REST rocker switch up or down.
  The climate control menu opens.
- ▶ Deactivate climate control via the air-conditioning setting bar in the multimedia system (see the separate operating instructions).

Activating/deactivating rear-compartment climate control using the front control panel

Observe the notes on controlling the rear-compartment climate control using the front control panel (▷ page 153).

- ▶ Turn the key to position **2** in the ignition lock (▷ page 175).
- ▶ **To activate:** press the MENU or MENU REST rocker switch up or down.
  The climate control menu opens.
- ▶ Select "Rear adjustment" in the air-conditioning setting bar (see the separate operating instructions).
  You can control the rear-compartment climate control using the front control panel or via the multimedia system.
- ▶ Activate rear-compartment climate control via the air-conditioning setting bar.
- ▶ **To deactivate:** press the MENU or MENU REST rocker switch up or down.
  The climate control menu opens.
- ▶ Select "Rear adjustment" in the air-conditioning setting bar (see the separate operating instructions).
- ▶ Deactivate rear-compartment climate control via the air-conditioning setting bar.

Activating/deactivating rear-compartment climate control using the rear control panel

- ▶ Turn the key to position **2** in the ignition lock (▷ page 175).
- ▶ **To activate:** press rocker switch ⑯ up or down (▷ page 151).
  The indicator lamp in rocker switch ⑯ goes out. All settings are displayed in full in the rear-compartment display.
- ▶ **To deactivate:** press rocker switch ⑯ up or down (▷ page 151).
  The indicator lamp in rocker switch ⑯ lights up. **OFF** is displayed in the rear-compartment display.

Activating/deactivating cooling with air dehumidification

General notes

If you deactivate the "Cooling with air dehumidification" function, the air inside the vehicle will not be cooled. The air inside the vehicle will also not be dehumidified. The windows can mist up more quickly. Therefore, deactivate the "Cooling with air dehumidification" function only briefly.

For vehicles with a combustion engine, the cooling with air dehumidification function is available when the engine is running. For hybrid vehicles, the "Cooling with air dehumidification" function is also available via the electric refrigerant compressor when the engine is not running. The air inside the vehicle is cooled and dehumidified according to the temperature selected.

Condensation may drip from the underside of the vehicle when cooling mode is active. This is normal and not a sign that there is a malfunction.

Activating/deactivating

Vehicles with auxiliary heating

- ▶ Activate or deactivate the "Cooling with air dehumidification" function via the multimedia system (see the separate operating instructions).

Vehicles without auxiliary heating

- ▶ **To activate:**press the A/C REST rocker switch up or down.
  The indicator lamp above the rocker switch lights up.

or

- ▶ Activate the "Cooling with air dehumidification" function via the multimedia system (see the separate operating instructions).
- ▶ **To deactivate:** press the A/C REST rocker switch up or down.
  The indicator lamp above the rocker switch goes out.

or

- ▶ Deactivate the "Cooling with air dehumidification" function via the multimedia system (see the separate operating instructions).

Problems with the "Cooling with air dehumidification" function

Problem	Possible causes/consequences and ▶ Solutions
Vehicles with auxiliary heating: cooling with air dehumidification can no longer be activated using the multimedia system (see the separate operating instructions). **Vehicles without auxiliary heating:** the indicator lamp in the A/C REST button flashes three times or remains off. Cooling with air dehumidification can also no longer be activated using the multimedia system (see the separate operating instructions).	The cooling with air dehumidification function has been deactivated due to a malfunction. ▶ Consult a qualified specialist workshop.

Setting climate control to automatic mode

General notes

In automatic mode, the set temperature is maintained automatically at a constant level. The system automatically regulates the temperature of the dispensed air, the airflow and the air distribution.

The "Cooling with air dehumidification" function is activated automatically in automatic mode.

Controlling front climate control automatically using the front control panel

▶ Turn the key to position **2** in the ignition lock (▷ page 175).

▶ Set the desired temperature using the ▼▲ rocker switch on the front control unit.

or

▶ Set the desired temperature using the multimedia system (see the separate operating instructions).

▶ **To activate:**press the AUTO rocker switch up or down.
The indicator lamp in the AUTO rocker switch lights up.

▶ **To switch to manual operation:** press the rocker switch up or down.

or

▶ Set the airflow using the multimedia system (see the separate operating instructions).

or

▶ Set the airflow using the multimedia system (see the separate operating instructions).
The indicator lamp in the AUTO rocker switch goes out.

In automatic mode, if you adjust the airflow or air distribution manually, the indicator lamp on the AUTO rocker switch goes out. The function which has not been changed manually, however, continues to be controlled automatically. When the manually set function switches back to automatic mode, the indicator lamp on the AUTO rocker switch lights up again.

Controlling rear-compartment climate control automatically using the front control panel

Observe the notes on controlling the rear-compartment climate control using the front control panel (▷ page 153).

- ▶ Turn the key to position **2** in the ignition lock (▷ page 175).
- ▶ Press the MENU or MENU REST rocker switch up or down.
  The climate control menu opens.
- ▶ Select "Rear adjustment" in the air-conditioning setting bar (see the separate operating instructions).
  You can control the rear-compartment climate control using the front control panel or the multimedia system.
- ▶ Set the desired temperature using the ▼▲ rocker switch on the front control unit.

or

- ▶ Set the desired temperature using the multimedia system (see the separate operating instructions).
- ▶ **To switch on:** press the AUTO rocker switch on the front control unit up or down.

or

- ▶ Activate automatic mode via the air-conditioning setting bar in the multimedia system (see the separate operating instructions).
  The indicator lamp in the AUTO rocker switch lights up.

ⓘ Select the temperature and automatic mode immediately thereafter. Otherwise, you will have to select "Rear adjustment" again from the air-conditioning setting bar before activating automatic mode.

- ▶ **To switch to manual operation:** press the MENU or MENU REST rocker switch up or down.
  The climate control menu opens.
- ▶ Select "Rear adjustment" in the air-conditioning setting bar (see the separate operating instructions).
- ▶ Use the air-conditioning setting bar to deactivate automatic mode.

or

- ▶ Set the air distribution using rocker switch ⑬ or ⑰ on the rear control panel (▷ page 151).

or

- ▶ Set the airflow using rocker switch ⑮ on the rear control panel (▷ page 151).
  The **AUTO** indicator on the rear display goes out.

If you adjust the rear airflow or air distribution manually using the multimedia system when in automatic mode, the **AUTO** indicator on the rear display goes out. The function which has not been changed manually, however, continues to be controlled automatically. When the manually set function switches back to automatic mode, the **AUTO** display reappears in the rear-compartment display.

Controlling rear climate control automatically using the rear control panel

- ▶ Turn the key to position **2** in the ignition lock (▷ page 175).
- ▶ Set the desired temperature using rocker switches ⑫ and ⑱ (▷ page 151).
- ▶ **To activate:** press rocker switch ⑭ up or down (▷ page 151).
  The indicator lamp in rocker switch ⑭ lights up.
- ▶ **To deactivate:** press rocker switch ⑭ up or down (▷ page 151).
  The indicator lamp in rocker switch ⑭ goes out.

If you adjust the airflow or air distribution manually when in automatic mode, the **AUTO** display in the rear-compartment display goes out. The function which has not been changed manually, however, continues to be controlled automatically. When the manually set function switches back to automatic mode, the **AUTO** display reappears in the rear-compartment display.

Setting the climate mode

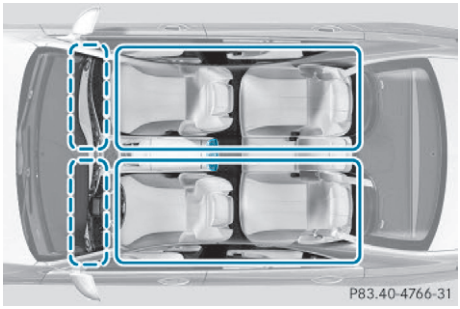
In automatic mode you can select the following airflow settings for the driver's and front-passenger areas:

FOCUS	high airflow, slightly cooler setting
MEDIUM	medium airflow, standard setting
DIFFUSE	low airflow, slightly warmer and draught-free setting

- ▶ **To set:** set the climate mode using the multimedia system (see the separate operating instructions).

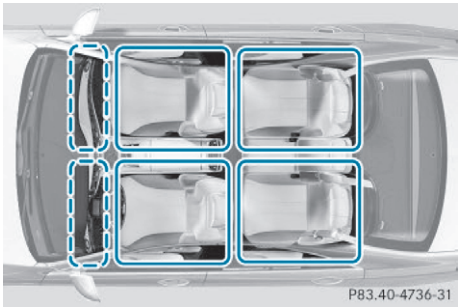
Setting the temperature

General notes



You can set the temperature separately for the following areas on vehicles without rear-compartment climate control:

- front footwells, left and right
- driver and front passenger area



You can set the temperature separately for the following areas on vehicles with rear-compartment climate control:

- front footwells, left and right
- driver and front passenger area
- rear compartment, left and right

Setting the temperature in the front compartment using the front control panel

▶ Turn the key to position **2** in the ignition lock (▷ page 175).

▶ **To increase or reduce:** press the ▼▲ rocker switch up or down.

or

▶ Set the temperature using the multimedia system (see the separate operating instructions).

Only change the temperature setting in small increments. Start at 22 °C.

Setting the temperature in the rear compartment using the front control panel

Observe the notes on controlling the rear-compartment climate control using the front control panel (▷ page 153).

▶ Turn the key to position **2** in the ignition lock (▷ page 175).

▶ Press the MENU or MENU REST rocker switch up or down.
The climate control menu opens.

▶ Select "Rear adjustment" in the air-conditioning setting bar (see the separate operating instructions).
You can control the rear-compartment climate control using the front control panel or the multimedia system.

▶ **To increase or reduce:** press the ▼▲ rocker switch up or down on the front control panel.

or

▶ Set the temperature using the multimedia system (see the separate operating instructions).

Only change the temperature setting in small increments. Start at 22 °C.

Setting the temperature in the rear compartment using the rear control panel

▶ Turn the key to position **2** in the ignition lock (▷ page 175).

▶ **To increase or reduce:** press rocker switch ⑫ or ⑱ up or down (▷ page 151).

Only change the temperature setting in small increments. Start at 22 ℃.

Setting the footwell temperature

The footwell temperature for the driver and front passenger can be set separately using the multimedia system (see the separate operating instructions).

Setting the air distribution

Air distribution settings

- Directs the airflow through the demister vents
- Directs the airflow through the centre and side air vents
- Directs the airflow through the footwell air vents
- Directs the airflow through the centre and side air vents as well as the footwell air vents
- Directs the airflow through the footwell and demister vents
- Directs the airflow through the demister vents, the centre and side air vents as well as the footwell air vents
- Directs the airflow through the centre and side air vents as well as the demister vents
- AUTO Sets the air distribution to automatic

Setting the air distribution in the front/rear compartments using the multimedia system

The air distribution for the left and right sides of the front and rear compartment can be adjusted using the multimedia system (see the separate operating instructions).

Setting the air distribution in the rear compartment using the rear control panel

- ▶ Turn the key to position **2** in the ignition lock (▷ page 175).
- ▶ Press rocker switch ⑬ or ⑰ up or down repeatedly (▷ page 151) until the desired air distribution symbol is shown in the display.

Setting the airflow

General notes

You can select different airflow settings for the driver's and front-passenger sides as well as for the rear compartment (only vehicles with rear compartment climate control).

Observe the notes on controlling the rear-compartment climate control using the front control panel (▷ page 153).

Setting the front-compartment airflow using the front control panel

- ▶ Turn the key to position **2** in the ignition lock (▷ page 175).
- ▶ **To increase or reduce:** press the rocker switch up or down.

or

- ▶ Set the airflow using the multimedia system (see the separate operating instructions).

Setting the rear-compartment airflow using the front control panel

- ▶ Turn the key to position **2** in the ignition lock (▷ page 175).
- ▶ Press the MENU or MENU REST rocker switch up or down.
  The climate control menu opens.
- ▶ Select "Rear adjustment" in the air-conditioning setting bar (see the separate operating instructions).
  You can control the rear-compartment climate control using the front control panel or via the multimedia system.
- ▶ **To increase or reduce:**press the rocker switch up or down on the front control panel.

or

- ▶ Set the airflow using the multimedia system (see the separate operating instructions).

Setting the rear compartment airflow using the rear control panel

- ▶ Turn the key to position **2** in the ignition lock (▷ page 175).
- ▶ **To increase or reduce:** press rocker switch ⑮ up or down (▷ page 151).

Activating/deactivating the synchronisation function

Climate control can be set centrally using the synchronisation function. The settings for temperature, air distribution and airflow on the driver's side are adopted for the front-passenger side and the rear compartment (vehicles with rear-compartment air conditioning).

▶ **To activate or deactivate:** activate or deactivate the synchronisation function using the multimedia system (see the separate operating instructions).
Vehicles with rear-compartment air conditioning: the **SYNC** display appears on the rear-compartment display.

The synchronisation function is deactivated:

- if the settings for the front-passenger side are changed
- vehicles with rear-compartment air conditioning: the settings for the rear compartment are changed

Demisting the windscreen

You can use this function to defrost the windscreen or to demist the inside of the windscreen and the front side windows.

Switch off the windscreen demisting function as soon as the windscreen is clear again.

▶ Turn the key to position **2** in the ignition lock (▷ page 175).

▶ **To activate:**press the MAX rocker switch on the front control unit up or down.
The indicator lamp in the MAX rocker switch lights up.
The climate control system switches to the following functions:
  - high airflow
  - high temperature
  - air distribution to the windscreen and front side windows
  - air-recirculation mode off
  - windscreen heating on
  - cooling with air dehumidification

▶ **To deactivate:** press the MAX rocker switch up or down.
The indicator lamp in the MAX rocker switch goes out. The previous settings are reactivated. Air-recirculation mode remains deactivated.

or

▶ Press the AUTO rocker switch up or down.

or

▶ Use the MENU or MENU REST rocker switch to call up the multimedia system climate control menu.

Demisting the windows

Windows misted up on the inside

▶ **Vehicles with auxiliary heating:** activate the "Cooling with air dehumidification" function via the multimedia system (see the separate operating instructions).

▶ **Vehicles without auxiliary heating:** activate the "Cooling with air dehumidification" function with the A/C REST rocker switch.

or

▶ Activate the "Cooling with air dehumidification" function via the multimedia system (see the separate operating instructions).

▶ Switch on automatic mode using the AUTO rocker switch.

▶ If the windows continue to mist up, activate the "Windscreen demisting" function using the MAX rocker switch. The windscreen heating is switched on.

ⓘ You should only select this setting until the windscreen is clear again.

Windows misted up on the outside

▶ Switch on the windscreen wipers.

▶ Switch on automatic mode using the AUTO rocker switch.

ⓘ If you clean the windows regularly, they do not mist up so quickly.

Rear window heating

General notes

The rear window heating has a high current draw. You should therefore switch it off as soon as the window is clear. It otherwise switches off automatically after several minutes.

If the battery voltage is too low, the rear window heating may switch off.

Activating/deactivating

- ▶ Turn the key to position **2** in the ignition lock (▷ page 175).
- ▶ Press the REAR rocker switch up or down. The indicator lamp in the REAR rocker switch lights up or goes out.

Problems with the rear window heating

Problem	Possible causes/consequences and ▶ Solutions
The rear window heating has switched off prematurely or cannot be activated.	The battery has not been sufficiently charged. ▶ Switch off any consumers that are not required, e.g. reading lamps, interior lighting or the seat heating. When the battery is sufficiently charged, the rear window heating can be activated again.

Switching air-recirculation mode on/off

General notes

You can also temporarily deactivate the flow of fresh air manually if unpleasant odours are entering the vehicle from outside. The air already inside the vehicle will then be recirculated.

If you switch on air-recirculation mode, the windows can mist up more quickly, in particular at low temperatures. Only use air-recirculation mode briefly to prevent the windows from misting up.

Activating/deactivating

- ▶ Turn the key to position **2** in the ignition lock (▷ page 175).
- ▶ **To activate:** press the rocker switch up or down. The indicator lamp in the rocker switch lights up.

Air-recirculation mode is activated automatically:

- at high outside temperatures
- at high levels of pollution
- in a tunnel

The indicator lamp in the rocker switch is not lit when automatic air-recirculation mode is activated. Outside air is added after about 30 minutes.

- ▶ **To deactivate:** press the rocker switch up or down. The indicator lamp in the rocker switch goes out.

Air-recirculation mode is deactivated automatically:

- after approximately five minutes at outside temperatures below approximately 5 °C
- after approximately five minutes if "Cooling with air dehumidification" is deactivated
- after approximately 30 minutes at outside temperatures above approximately 5 °C if the "Cooling with air dehumidification" function is activated

Convenience opening or closing using the air-recirculation button

⚠ WARNING

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. There is a risk of injury.

Observe the complete closing procedure when the convenience closing feature is operating. When closing make sure that no parts of the body are in the closing area.

⚠ WARNING

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

When opening, make sure that nobody is touching the side window. If someone becomes trapped, immediately press the switch in the door to stop the movement of the side windows. To continue closing the side window, pull on the switch.

- **Convenience closing feature (vehicles with a panorama sliding sunroof):** press and hold the rocker switch up or down until the side windows and the panorama sliding sunroof start to close automatically.
  The indicator lamp in the rocker switch lights up. Air-recirculation mode is activated.
- **Convenience closing feature (vehicles without a panorama sliding sunroof):** press and hold the rocker switch up or down until the side windows start to close automatically.
  The indicator lamp in the rocker switch lights up. Air-recirculation mode is activated.

  If you open the side windows or the panorama sliding sunroof manually after closing with the convenience closing feature, they will remain in this position when opened using the convenience opening feature.

If parts of the body are in the closing area during convenience closing, proceed as follows:

- Press the button to stop the side windows.
  The side windows stop.
- To then open the side windows, press the button again.
- **Only vehicles with panorama sliding sunroof:** press the switch to stop the panorama sliding sunroof.
  The panorama sliding sunroof stops.
- To then open the panorama sliding sunroof, pull back on the switch.

Observe the notes on the automatic reversing feature for:

- the side windows (▷ page 102)
- the panorama sliding sunroof (▷ page 106)

- **Convenience opening feature (vehicles with a panorama sliding sunroof):** press and hold the rocker switch up or down until the side windows and the panorama sliding sunroof start to open automatically.
  The indicator lamp in the rocker switch goes out. Air-recirculation mode is deactivated.
- **Convenience opening feature (vehicles without a panorama sliding sunroof):** press and hold the rocker switch up or down until the side windows start to open automatically.
  The indicator lamp in rocker switch goes out. Air-recirculation mode is deactivated.

Switching the residual heat on/off

General notes

Vehicles with rear-compartment climate control: once the engine is switched off, it is possible to make use of the residual heat of the engine to continue heating or ventilating the rear and front compartment of the vehicle for approximately 15 minutes. If the "Residual heat" function is set for only the front or only the rear compartment, it is possible to continue heating or ventilating for approximately 30 minutes.

Vehicles without rear-compartment climate control: when the engine is switched off, it is possible to make use of the residual heat of the engine to continue heating or ventilating the front compartment of the vehicle for approximately 30 minutes.

The heating or ventilation time depends on the temperature that has been set.

Front control panel

- Turn the key to position **0** in the ignition lock or remove it (▷ page 175).
- **To activate:** press the MENU REST or A/C REST rocker switch up or down.
  The indicator lamp in the MENU REST or A/C REST rocker switch lights up.

The blower will run at a low speed regardless of the airflow setting.

If you activate the residual heat function at high temperatures, only the ventilation will be activated. The blower runs at medium speed.

▶ **To deactivate:** press the MENU REST or A/C REST rocker switch up or down.
The indicator lamp in the MENU REST or A/C REST rocker switch goes out.

Rear control panel

▶ Turn the key to position **0** in the ignition lock or remove it (▷ page 175).
The **REST** display appears on the rear compartment display.
▶ **To activate:** press rocker switch ⑯ up or down (▷ page 151).
The indicator lamp in rocker switch ⑯ lights up.
▶ **To deactivate:** press rocker switch ⑯ up or down (▷ page 151).
The indicator lamp in rocker switch ⑯ goes out. **REST** goes out on the rear compartment display.

ⓘ If you do not activate the residual heat function, **REST** goes out automatically after five minutes on the rear compartment display.

Residual heat is deactivated automatically:

- after approximately 30 minutes if the residual heat function is activated in the front or rear compartment
- after approximately 15 minutes if the residual heat function is activated in the front and rear compartments
- when the ignition is switched on
- if the battery voltage drops
- when the auxiliary heating is switched on

Perfume atomiser

Operating the perfume atomiser

⚠ **WARNING**

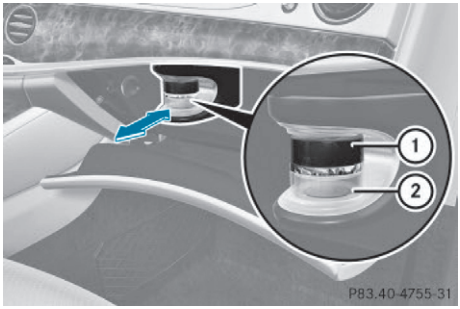
If children open the vial, they could drink the perfume or it could come into contact with their eyes. There is a risk of injury. Do not leave children unsupervised in the vehicle.

If the perfume liquid has been drunk, consult a doctor. If perfume comes into contact with your eyes or skin, rinse the eyes with clean water. If you continue to experience difficulties, consult a doctor.

Environmental note

Full vials must not be disposed of with household waste. They must be collected separately and disposed of in an environmentally responsible recycling system.

Dispose of full vials in an environmentally responsible manner and take them to a harmful substance collection point.



① Vial lid
② Vial

The perfume atomiser helps to improve driving comfort.

Via the multimedia system you can:

- switch the perfume atomiser on or off
- regulate the perfume intensity (see the separate operating instructions)

The following conditions can affect your perception of the perfume intensity:

- operating mode of the automatic climate control
- interior temperature
- time of year or day
- air humidity
- physiological condition of occupants, e.g. fatigue or hunger

The perfume atomiser can only be operated when the automatic climate control is switched on and is only active when the glove compartment is closed.

The perfume atomiser is provided with a pre-filled vial. You can also choose from a variety of

filled perfume vials and an empty vial which you can fill yourself.

If you refill an empty perfume vial, observe the separate information sheet attached to the vial.

! If you do not use genuine Mercedes-Benz interior perfumes, observe the manufacturers' safety notices on the perfume packaging.

Do not refill the pre-filled perfume vial when it is empty. Dispose of the used vial after use.

- ▶ **To insert the perfume vial:** open the glove compartment (▷ page 366).
- ▶ Slide the perfume vial into the holder as far as it will go.
- ▶ **To remove the perfume vial:** pull out the perfume vial.
- ▶ **To refill the perfume vial:** unscrew the lid of the empty perfume vial to refill it yourself.
- ▶ Refill the vial with a maximum of 15 ml of the desired liquid perfume.
- ▶ Screw the lid back on to the vial.

! Only refill the vial when you are outside the vehicle. Otherwise, liquid perfume could drip into the interior and contaminate it.

Always refill the empty refillable vial with the same perfume. Otherwise, you might not achieve optimum results from the perfume atomiser.

Problems with the perfume atomiser

Problem	Possible causes/consequences and ▶ Solutions
The vehicle interior is not perfumed although the perfume atomiser has been activated.	The perfume vial has not been pushed into the holder as far as it will go. ▶ Slide the perfume vial into the holder as far as it will go.
	The perfume vial is not filled sufficiently. ▶ **Pre-filled vials:** dispose of the empty vial. ▶ Use a new pre-filled vial. ▶ **Refillable vials:** refill the vial with a maximum of 15 ml of the same perfume.
	The perfume atomiser is faulty. ▶ Have the perfume atomiser checked at a qualified specialist workshop.

Ionisation

You can use the ionisation function to purify the air in the vehicle interior and attain an improved interior climate.

The ionisation of the interior air is odourless and cannot, directly, be perceived in the vehicle interior.

You can switch ionisation on or off using the multimedia system (see the separate operating instructions).

Ionisation can only be switched on if the front automatic climate control is activated. The side air vent on the driver's side must be open.

Pre-entry climate control via key

General notes

The "Pre-entry climate control via key" function is only available in hybrid vehicles and PLUG-IN HYBRID vehicles.

HYBRID: before getting in, the driver's seat area can be briefly warmed or ventilated in advance with the air from the air vents being pre-cooled.

PLUG-IN HYBRID: before getting in, the driver's seat area can be briefly warmed or ventilated in advance with the air from the air vents being pre-cooled.

The high-voltage battery must be sufficiently charged before "Pre-entry climate control via key" can be activated.

When the vehicle is pre-cooled, the following functions are activated as needed:

- Automatic climate control
- Blower
- Seat ventilation

HYBRID: if the vehicle is pre-heated, the following functions are activated as needed:

- Seat heating
- Steering wheel heating
- Exterior mirror heating
- Rear window heating

PLUG-IN HYBRID: if the vehicle is pre-heated, the following functions are activated as needed:

- Automatic climate control
- Blower
- Seat heating
- Steering wheel heating
- Exterior mirror heating
- Rear window heating

If you have activated the following functions using the multimedia system, they are activated together with the "Pre-entry climate control via key" function:

- Armrest heating
- Perfume atomiser
- Ionisation

Activating the perfume atomiser or ionisation (see separate operating instructions).

Activating/deactivating "Pre-entry climate control via key"

Before "Pre-entry climate control via key" can be activated, you must activate the function via the multimedia system (see separate operating instructions).

▶ **To activate "Pre-entry climate control via key":** unlock the vehicle with the key or KEYLESS-GO.
HYBRID: the climate control functions are activated for up to 2 minutes for pre-heating and pre-cooling.
PLUG-IN HYBRID: the climate control functions are activated for up to 5 minutes for pre-heating and pre-cooling.

To deactivate "Pre-entry climate control via key": "Pre-entry climate control via key" deactivates automatically when the engine is started.

The following functions remain active after the engine is started:

- Seat heating (heating)
- Seat ventilation (ventilation)
- Armrest heating
- Perfume atomiser
- Ionisation

PLUG-IN HYBRID: an activated "Pre-entry climate control via key" function can be deactivated using the rocker switch (▷ page 166).

Problems with "Pre-entry climate control via key"

Problem	Possible causes/consequences and ▶ Solutions
"Pre-entry climate control via key" cannot be activated or has been deactivated.	The charge status of the high-voltage battery is under the specified minimum charge status. ▶ Start the engine when the vehicle is at a standstill. The internal combustion engine drives the electric motor. The electric motor is operating as an alternator. The high-voltage battery is charging. **HYBRID:** further information on charging the high-voltage battery (▷ page 417). **PLUG-IN HYBRID:** further information on charging the high-voltage battery via: • a mains socket (▷ page 198) • a charging station (▷ page 203) • a wallbox (▷ page 202)
	HYBRID: the "Pre-entry climate control via key" function has been started more than once with the engine switched off. **PLUG-IN HYBRID:** the "Pre-entry climate control via key" function has been started more than twice with the engine switched off. ▶ Switch on the engine and let it run for more than ten seconds. ▶ Try again to activate "Pre-entry climate control via key".
	HYBRID: the difference between the interior temperature and the desired temperature is too small. ▶ Increase the difference between the interior temperature and the desired temperature.

Pre-entry climate control at time of departure

Important safety notes

⚠ **WARNING**

If persons (particularly children) are exposed to heat or cold for a prolonged period, there is a risk of serious or even fatal injuries. Never leave persons (particularly children) unattended in the vehicle.

General notes

The "Pre-entry climate control at departure time" function is only available in PLUG-IN HYBRID vehicles.

You can use the "Pre-entry climate control at departure time" function to cool or heat the vehicle interior if the engine is not running.

The "Pre-entry climate control at departure time" function can be activated regardless of whether or not the vehicle is connected to an electric power supply. However, the charge status of the high-voltage battery must be higher than the specified minimum charge status.

When the vehicle is connected to an electric power supply, priority is given to charging the high-voltage battery to the specified minimum charge. "Pre-entry climate control at departure time" is only activated subsequently.

The running time of the "Pre-entry climate control at departure time" function may be reduced if:

- the vehicle is not connected to an electric power supply and
- the high-voltage battery is not fully charged

With active "Pre-entry climate control at departure time" the charge status of the high-voltage battery can be reduced, even if the charge cable connector is connected.

When the vehicle is cooled, the following functions are activated as needed:

- Automatic climate control
- Blower
- Seat ventilation

When the vehicle is heated, the following functions are activated as needed:

- Automatic climate control
- Blower
- Seat heating
- Steering wheel heating
- Armrest heating
- Exterior mirror heating
- Rear window heating

If you have switched on the perfume atomiser or the ionisation using the multimedia system, these will be activated together with the "Pre-entry climate control at departure time".

Activating the perfume atomiser or ionisation (see separate operating instructions).

Setting the departure time

You can set the departure time using the on-board computer or via the Mercedes connect me web App. The activation of the "Pre-entry climate control at departure time" function can be linked to this departure time. Your vehicle will then be cooled or heated until the desired temperature is reached in time for the set departure time. "Pre-entry climate control at departure time" will be activated a maximum of 55 minutes before departure. If the departure is delayed, the vehicle will be heated or cooled for a further five minutes.

- **To set the departure time:** set the departure time using the on-board computer (▷ page 308). Set the departure time using the Mercedes connect me web App: http://www.mercedes.me.
- **To activate or deactivate "Pre-entry climate control at departure time":** activate or deactivate "Pre-entry climate control at departure time" via the multimedia system (see the separate operating instructions). Activate or deactivate "Pre-entry climate control at departure time" using the Mercedes connect me web App: http://www.mercedes.me.

When activating the "Pre-entry climate control at departure time" function, you can select whether only the driver's area or also the front-passenger area should be heated or cooled.

The "Pre-entry climate control at departure time" function is automatically deactivated when the vehicle is started. The following functions remain active:

- Seat heating
- Seat ventilation
- Armrest heating
- Steering wheel heating
- Perfume atomiser
- Ionisation

To deactivate "Pre-entry climate control at departure time": the activated "Pre-entry climate control at departure time" can be deactivated using the rocker switch (▷ page 166).

Activating/deactivating "Immediate pre-entry climate control" using the rocker switch

You can activate "Immediate pre-entry climate control" even if the vehicle interior is already at the desired temperature. This means, for example, that the vehicle interior continues to be cooled or heated if the journey is interrupted for up to 50 minutes and the interior temperature is kept constant.



▶ **To activate or deactivate "Immediate pre-entry climate control":** press rocker switch ① up or down.
The blue or red indicator lamp on the rocker switch lights up or goes out.

The colours of the indicator lamps on rocker switch ① have the following meanings:

- blue: cooling activated
- red: heating activated
- yellow: departure time is preselected

Auxiliary heating

Important safety notes

⚠ **DANGER**

If the exhaust pipe is blocked or sufficient ventilation is not possible, toxic exhaust fumes can enter the vehicle, especially carbon monoxide. This is the case, e.g. in enclosed spaces, or if the vehicle is stuck in snow. There is a risk of fatal injuries.

You should switch off the auxiliary heating in enclosed spaces which do not have an extraction system, e.g. a garage. If the vehicle is stuck in snow and you must leave the auxiliary heating running, keep the exhaust pipe and the area around the vehicle clear of snow. To guarantee a sufficient supply of fresh air, open a window on the side of the vehicle away from the wind.

⚠ **WARNING**

When the auxiliary heating is switched on, parts of the vehicle can become very hot.

Flammable materials such as leaves, grass or twigs may ignite if they come into contact with:

- hot parts of the exhaust system
- the exhaust gas itself

There is a risk of fire.

When the auxiliary heating is switched on, make sure that:

- no flammable materials come into contact with hot vehicle components
- the exhaust gas can escape from the exhaust pipe unhindered
- the exhaust gas does not come into contact with flammable materials.

The auxiliary heating and the exhaust gas outlet are situated behind the right-hand front wheel.

❗ Operating the auxiliary heating/ventilation draws on the vehicle battery. After you have heated or ventilated the vehicle a maximum of two times, drive for a longer distance.

Switch the auxiliary heating on regularly once a month for about ten minutes.

The auxiliary heating heats the air in the vehicle interior to the set temperature. This occurs without using the heat of the running engine. The auxiliary heating is operated directly using the vehicle's fuel. For this reason, the tank content must be at least at reserve fuel level to ensure that the auxiliary heating functions.

The auxiliary heating or auxiliary ventilation automatically adjusts to changes in temperature and weather conditions. For this reason, the auxiliary heating could switch from ventilation mode to heating mode or from heating mode to ventilation mode.

The auxiliary heating switches off when the engine is switched off. The auxiliary ventilation switches off when you turn the key to key position **2** (▷ page 175).

The auxiliary heating switches off automatically after 50 minutes. This time limit can be altered. To do this, visit a qualified specialist workshop.

You cannot use the auxiliary ventilation to cool the vehicle interior to a temperature lower than the outside temperature.

Before switching on

▶ Turn the key to position **2** in the ignition lock (▷ page 175).

▶ Set the desired temperature using the ▼▲ rocker switch on the front control unit or using the multimedia system (see the separate operating instructions).

If you do not alter the temperature before switching on the auxiliary heating or auxiliary ventilation, the last temperature setting will be adopted.

Auxiliary heating or auxiliary ventilation can also be switched on if the manually set climate control is activated. Optimum comfort can be attained when the system is set to automatic mode. Set the temperature to 22 °C.

You can switch the auxiliary heating or auxiliary ventilation on or off:

- using the rocker switch on the centre console (▷ page 168)
- using the remote control (▷ page 168)

The on-board computer can be used to specify up to three departure times, one of which may be preselected:

- using the remote control (▷ page 168)
- via the multimedia system (see separate operating instructions)

Switching the auxiliary heating/ventilation on or off using the centre console rocker switch



The colours of the indicator lamps in the rocker switch have the following meanings:

- blue: cooling activated
- red: heating activated
- yellow: departure time is preselected

▶ **To switch on auxiliary heating or auxiliary ventilation:** press rocker switch ① up or down.
The red or the blue indicator lamp in rocker switch ① lights up.

▶ **To set the temperature:**switch on auxiliary heating or auxiliary ventilation.
The multimedia system is activated for approximately one minute.

▶ Set the desired temperature using the multimedia system (see the separate operating instructions).

In addition you can adjust the temperature at any time using the multimedia system if the auxiliary heating/ventilation is switched on. To do so, call up the multimedia system using the ⓞⓝ button on the centre console.

▶ **To switch off auxiliary heating or auxiliary ventilation:** press rocker switch ① up or down.
The red or the blue indicator lamp in rocker switch ① goes out.

Switching the auxiliary heating/ventilation on or off using the remote control

General notes

Your vehicle comes with one remote control. You may use two additional remote controls for your vehicle. For more information, please contact a qualified specialist workshop.

Store the remote control for the auxiliary heating so that the auxiliary heating cannot be switched on unintentionally. In particular, ensure that the remote control for the auxiliary heating is kept out of the reach of children.

The remote control has a range of approximately 300 metres. This range is reduced by:

- sources of radio interference
- solid objects between the remote control and the vehicle
- the remote control being in an unfavourable position in relation to the vehicle
- transmitting from an enclosed space

If the remote control battery is low, the battery symbol on the left of the display is shown as empty. Replace the remote control battery and observe the important safety notes when doing so (▷ page 170).

Activating/deactivating the auxiliary heating or auxiliary ventilation



Remote control

① Display

② ON Switches the auxiliary heating or auxiliary ventilation on
Checks the status

③ ▷ Sets the departure time

④ OFF Switches the auxiliary heating or auxiliary ventilation off

⑤ ◁ Sets the departure time

▶ **To switch on:** press and hold the ON button.
ON is shown in the remote control display.

▶ **To switch off:** press and hold the OFF button.
OFF is shown in the remote control display.

Checking the status of the auxiliary heating or auxiliary ventilation

▶ Briefly press the ON button.

The following messages may appear in the display:

Display	Meaning
	The auxiliary heating or auxiliary ventilation is switched off.
	The auxiliary ventilation is switched on. The number in the display shows the remaining time (in minutes) for the auxiliary ventilation.
	The auxiliary heating is switched on. The number in the display shows the remaining time (in minutes) for the auxiliary heating.
	A departure time has been activated. The departure time appears in the display.
	A departure time has been activated. The auxiliary ventilation is currently activated. The number in the display shows the remaining time (in minutes) for the auxiliary ventilation. If the vehicle is not started after this time, the running time is increased by five minutes.
	A departure time has been activated. The auxiliary heating is currently activated. The number in the display shows the remaining time (in minutes) for the auxiliary heating. If the vehicle is not started after this time, the running time is increased by five minutes.

If the engine has not yet reached operating temperature when it is started, the auxiliary heating running time is increased. The auxiliary heating continues to run until the operating temperature is reached. If this is the case, the ≋ symbol appears in the remote control display and the running time is zero minutes.

Setting the departure time

Make sure that the time set in the vehicle is correct before setting the departure time (see the separate operating instructions). Otherwise, the auxiliary heating may switch on at the wrong time and at an unsuitable location. When setting the departure time, also observe the important safety notes (▷ page 167).

- ▶ Briefly press the ON button.
- ▶ Press the ◁ or ▷ button repeatedly until the time to be changed appears in the display.
- ▶ Press the ON and OFF buttons simultaneously.
  The ⏲ symbol in the remote control display flashes.
- ▶ Press the ◁ or ▷ button to set the desired departure time.

ⓘ The longer you press the ◁ or ▷ button, the faster the time changes.

- ▶ Press the ON and OFF buttons simultaneously.
  The new departure time is stored.

Activating the set departure time

- ▶ Briefly press the ON button.
- ▶ Press the ◁ or ▷ button repeatedly until the desired departure time appears in the display.
- ▶ Press the ON button.
  The ⏲ symbol, the departure time and, depending on the selected departure time, the letter **A, B** or **C** appear in the display.

Deactivating the set departure time

- ▶ Briefly press the ON button.
  The status of the auxiliary heating is shown in the display.
- ▶ Press the ▷ button.
  The first departure time stored appears in the display.
- ▶ Press the OFF button.
  OFF is shown in the remote control display.

Switching the heater booster function on/off

The heater booster function helps the engine reach its operating temperature faster during its warm-up phase. This helps to heat the vehicle interior faster. The heater booster function switches on at lower outside temperatures and lower coolant temperatures. You can also activate the heater booster manually.



- ▶ Start the engine.
- ▶ **To switch on:** briefly press rocker switch ① up or down.
  Red indicator lamp in rocker switch ① lights up.
- ▶ **To switch off:** briefly press rocker switch ① up or down.
  Red indicator lamp in rocker switch ① goes out.

The fuel tank must be filled to at least reserve fuel level.

Replacing the remote control battery

Important safety notes

⚠ WARNING

Batteries contain toxic and corrosive substances. If batteries are swallowed, it can result in severe health problems. There is a risk of fatal injury.

Keep batteries out of the reach of children. If a battery is swallowed, seek medical attention immediately.

Environmental note



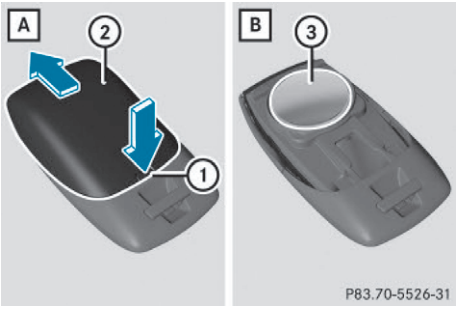
Batteries contain pollutants. It is illegal to dispose of them with the household rubbish. They must be collected separately and disposed of in an environmentally responsible recycling system.



Dispose of batteries in an environmentally responsible manner. Take discharged batteries to a qualified spe-

cialist workshop or to a collection point for used batteries.

Replacing the battery



If the battery needs to be replaced, the battery symbol on the left of the display is shown as empty. A CR2450 lithium battery is required when replacing the battery.

- ▶ Press a pointed object into recess ①.
- ▶ Slide battery cover ② backwards in the direction of the arrow.
- ▶ Remove old battery ③.
- ▶ Insert the new battery with the lettering facing upwards.
- ▶ Slide battery cover ② in the opposite direction to the arrow on the remote control until it engages.
- ▶ Use the remote control to check the vehicle's auxiliary heating functions.

Problems with the auxiliary heating/ventilation

Problem	Possible causes/consequences and ▶ Solutions
FAIL	The signal transmission between the transmitter and the vehicle is faulty. ▶ Change your position in relation to the vehicle, moving closer if necessary. ▶ Make another attempt to switch the auxiliary heating/ventilation on or off using the remote control.
FAIL	The auxiliary heating/ventilation cannot be switched on or has switched itself off. The starter battery is not sufficiently charged. ▶ Charge the starter battery. ▶ Make another attempt to switch on the auxiliary heating/ventilation using the remote control.
	The auxiliary heating/ventilation cannot be switched on or has switched itself off. The fuel tank content is below the reserve fuel level. ▶ Refuel at the nearest filling station. ▶ Make another attempt to switch on the auxiliary heating/ventilation using the remote control.
FAIL	The auxiliary heating/ventilation cannot be switched on or has switched itself off. The auxiliary heating/ventilation is malfunctioning. ▶ Have the auxiliary heating/ventilation checked at a qualified specialist workshop.

Adjusting the air vents

Important safety notes

⚠ WARNING

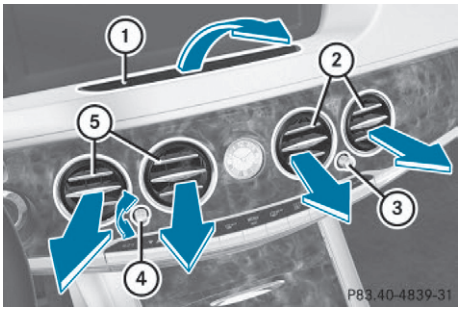
Very hot or very cold air can flow from the air vents. This could result in burns or frostbite in the immediate vicinity of the air vents. There is a risk of injury.

Make sure that all vehicle occupants always maintain a sufficient distance to the air outlets. If necessary, redirect the airflow to another area of the vehicle interior.

In order to ensure the direct flow of fresh air through the air vents into the vehicle interior, please observe the following notes:

- keep the air inlet between the windscreen and the bonnet free of blockages, such as ice, snow or leaves
- never cover the vents or ventilation grilles in the vehicle interior

Adjusting the centre air vents



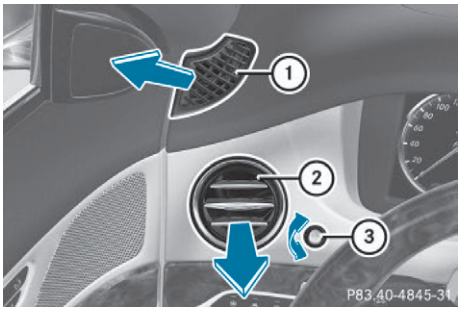
① Fixed centre air vent
② Centre air vents, right
③ Centre vent control, right
④ Centre vent control, left
⑤ Centre air vents, left

▶ **To open/close:** press control ③ or ④. The control pops out.

▶ Turn control ③ or ④ to anti-clockwise or clockwise.

▶ **To adjust the air direction:** hold rear air vent ② or ⑤ by the middle fin and move up or down or to the left or right.

Adjusting the side air vents



① Side window demister vent
② Side air vent
③ Control for left side air vent

▶ **To open/close:** press control ③. The control pops out.

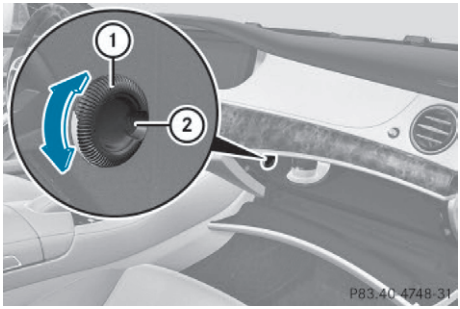
▶ Turn control ③ to anti-clockwise or clockwise.

▶ **To adjust the air direction:** hold side air vent ② by the middle fin and move it up or down or to the left or right.

Adjusting the glove compartment air vent

! Close the air vent when heating the vehicle. At high outside temperatures, open the air vent and activate the "cooling with air dehumidification" function. Otherwise, temperature-sensitive items stored in the glove compartment could be damaged.

When automatic climate control is activated, the glove compartment can be ventilated, for instance to cool its contents. The level of airflow depends on the airflow and air distribution settings.

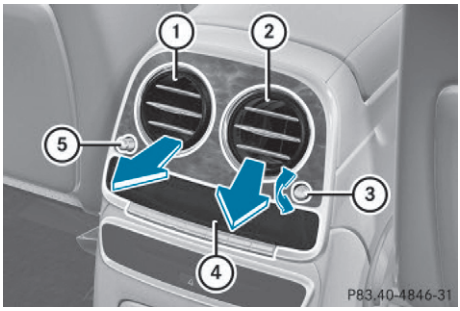


① Air vent thumbwheel
② Air vent

▶ **To open or close:** turn control ① to the right or left.

Setting the rear-compartment air vents

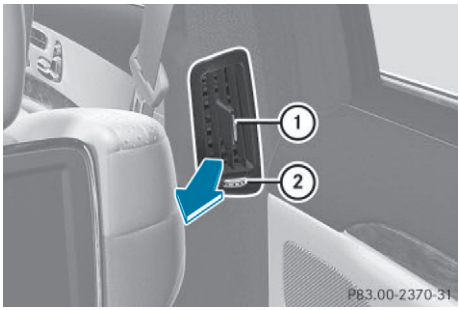
Adjusting the centre air vents in the rear compartment



① Rear-compartment air vent, left
② Rear-compartment air vent, right
③ Rear-compartment air vent control, right
④ Rear control panel (only vehicles with rear-compartment climate control)
⑤ Rear-compartment air vent control, left

▶ **To open/close:** press control ③ or ⑤. The control pops out.
▶ Turn control ③ or ⑤ anti-clockwise or clockwise.
▶ **To adjust the air direction:** hold the rear air vent ① or ② by the middle fin and move up or down or to the left or right.

Adjusting the rear-compartment side air vents



▶ **To open or close:**turn thumbwheel ② to the left or right.
▶ **To adjust the air direction:** hold rear air vent ① by the middle fin handle and move up or down or to the left or right.

Useful information

ⓘ This Owner's Manual describes all models, series and optional equipment for your vehicle that were available at the time of going to press. National variations are possible. Note that your vehicle may not be equipped with all of the functions described. This is also the case for systems and functions relevant to safety.

ⓘ Read the information on qualified specialist workshops: (▷ page 30).

Running-in notes

Important safety 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.

Brake pads/linings and discs that are either new or have been replaced only achieve optimum braking effect after several hundred kilometres of driving. Compensate for the reduced braking effect by applying greater force to the brake pedal.

The first 1500 km

If you treat the engine with sufficient care from the very start, you will be rewarded with excellent performance for the remainder of the engine's life.

- Drive at varying road speeds and engine speeds for the first 1500 km.
- Avoid overstraining the vehicle during this period, e.g. driving at full throttle.
- When changing gears manually, change up in good time, before the rev counter needle reaches ⅔ of the way to the red area of the rev counter.
- Do not shift down a gear manually in order to brake.
- Try to avoid depressing the accelerator pedal beyond the point of resistance (kickdown).
- **All vehicles (except Mercedes-AMG vehicles):** drive the vehicle mainly in drive program **E** for the first 1500 km.

Additional notes on running in Mercedes-AMG vehicles:

- For the first 1,500 km do not drive at speeds above 140 km/h.
- Only allow the engine to reach a maximum engine speed of 4,500 rpm briefly.
- Drive the vehicle mainly in drive program **C** for the first 1500 km.

After 1500 km, you may gradually accelerate the vehicle to full road and engine speeds.

You should also observe these notes on running-in if the engine or parts of the drive train on your vehicle have been replaced.

Always observe the maximum permissible speed.

Driving

Important safety notes

⚠ **WARNING**

Objects in the driver's footwell may restrict the clearance around the pedals or block a depressed pedal. This jeopardises the operating and road safety of the vehicle. There is a risk of an accident.

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

⚠ **WARNING**

Unsuitable footwear can hinder correct usage of the pedals, e.g.:

- shoes with thick soles
- shoes with high heels
- slippers

There is a risk of an accident.

Wear suitable footwear to ensure correct usage of the pedals.

⚠ WARNING

If you switch off the ignition while driving, safety-relevant functions are only available with limitations, or not at all. This could affect, for example, the power steering and the brake boosting effect. You will require considerably more effort to steer and brake. There is a risk of an accident.

Do not switch off the ignition while driving.

⚠ WARNING

If the parking brake has not been fully released when driving, the parking brake can:

- overheat and cause a fire
- lose its hold function.

There is a risk of fire and an accident. Release the parking brake fully before driving off.

! Do not warm up the engine when the vehicle is stationary. Drive off immediately. Avoid high engine speeds and driving at full throttle until the engine has reached its operating temperature.

Only shift the automatic transmission to the desired drive position when the vehicle is stationary.

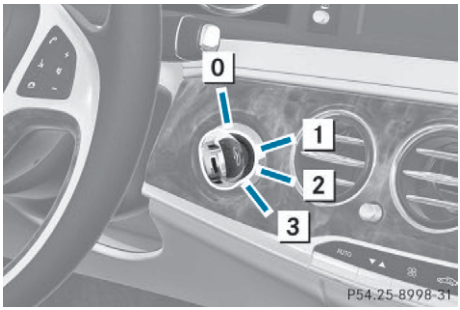
Where possible, avoid spinning the drive wheels when pulling away on slippery roads. You could otherwise damage the drive train.

! **Mercedes-AMG vehicles:** at low engine oil temperatures (below +20 °C), the maximum engine speed is restricted in order to protect the engine. To protect the engine and maintain smooth engine operation, avoid driving at full throttle when the engine is cold.

Observe the important safety notes for hybrid vehicles and PLUG-IN HYBRID vehicles (▷ page 44).

Key positions

Key



0 To remove the key

1 Power supply for some consumers, such as the windscreen wipers

2 Ignition (power supply for all consumers) and drive position

3 To start the engine

If the key does not belong to the vehicle, it can still be turned in the ignition lock. However, the ignition will not be switched on. The engine cannot be started.

Start/Stop button

General notes

All vehicles are equipped with a removable Start/Stop button.

The Start/Stop button must be inserted in the ignition lock and the key must be in the vehicle.

When you insert the Start/Stop button into the ignition lock, the system needs approximately two seconds recognition time. You can then use the Start/Stop button.

Pressing the Start/Stop button several times in succession corresponds to the different key positions in the ignition lock. This is only the case if you are not depressing the brake pedal.

If you depress the brake pedal and press the Start/Stop button, the engine starts immediately.

A check which periodically establishes a radio connection between the vehicle and the key determines whether a valid key is in the vehicle. This occurs, for example, when starting the engine.

To start the vehicle without actively using the key:

- the Start/Stop button must be inserted in the ignition lock
- the key must be in the vehicle
- the vehicle must not be locked with the key or KEYLESS-GO (▷ page 88)

Do not keep the key:

- with electronic devices, e.g. a mobile phone or another key
- with metallic objects, e.g. coins or metal film
- inside metallic objects, e.g. a metal case

This can affect the key's functionality.

Do not keep the key in the temperature-controlled cup holder (▷ page 375). Otherwise, the key will not be detected, e.g. when starting the engine with the Start/Stop button.

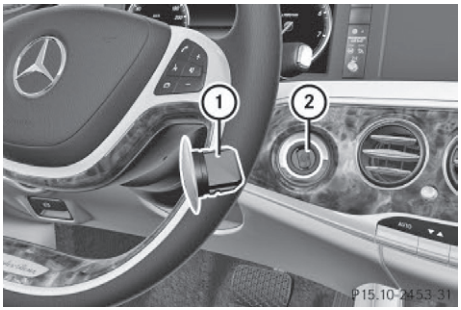
If you lock the vehicle with the key's remote control or with KEYLESS-GO, after a short time:

- you will not be able to switch on the ignition with the Start/Stop button
- you will not be able to start the engine with the Start/Stop button until the vehicle is unlocked again

If you lock the vehicle centrally using the button on the front door (▷ page 94), you can continue to start the engine with the Start/Stop button.

The engine can be switched off while the vehicle is in motion by pressing and holding the Start/Stop button for three seconds. This function operates independently of the ECO start/stop automatic engine switch-off function.

Key positions with the Start/Stop button



① Start/Stop button
② Ignition lock

When you switch on the ignition, all of the indicator lamps in the instrument cluster light up.

Further information on situations where an indicator lamp either fails to go out after starting the engine or lights up while driving (▷ page 353).

If Start/Stop button ① has not yet been pressed, this corresponds to the key being removed from the ignition.

▶ **To switch on the power supply:** press Start/Stop button ① once.
The power supply is switched on. You can now activate the windscreen wipers, for example.

The power supply is switched off again if:

- the driver's door is opened and
- you press Start/Stop button ① twice when in this position

▶ **To switch on the ignition:** press Start/Stop button ① twice.
The ignition is switched on.

The ignition is switched off again if:

- you do not start the engine within 15 minutes when in this position
- you press Start/Stop button ① once when in this position.

The power supply is switched off again if:

- the driver's door is opened and
- you press Start/Stop button ① twice when in this position

Removing the Start/Stop button

You can remove the Start/Stop button from the ignition lock and start the vehicle as normal using the key.

It is only possible to switch between Start/Stop button mode and key operation when the transmission is in position **P**.

▶ Remove Start/Stop button ① from ignition lock ②.

You do not have to remove the Start/Stop button from the ignition lock when you leave the vehicle. You should, however, always take the key with you when leaving the vehicle. As long as the key is in the vehicle:

- the vehicle can be started using the Start/Stop button
- the electrically powered equipment can be operated

Starting the vehicle

Important safety notes

⚠ WARNING

If children are left unsupervised in the vehicle, they can:

- open doors and endanger other persons or road users
- climb out and be injured by the traffic
- operate vehicle equipment and, for example, trap themselves.

Children could also set the vehicle in motion, for example by:

- releasing the parking brake
- shifting the automatic transmission out of park position **P**
- starting the engine.

There is a risk of an accident and injury.

When leaving the vehicle, always take the key with you and lock the vehicle. Never leave children unattended in the vehicle. Always keep the key out of reach of children.

⚠ WARNING

Combustion engines emit poisonous exhaust gases such as carbon monoxide. Inhaling these exhaust gases leads to poisoning. There is a risk of fatal injury. Therefore never leave the engine running in enclosed spaces without sufficient ventilation.

⚠ WARNING

Flammable materials introduced through environmental influence or by animals can ignite if in contact with the exhaust system or parts of the engine that heat up. There is a risk of fire.

Carry out regular checks to make sure that there are no flammable foreign materials in the engine compartment or in the exhaust system.

General notes

Vehicles with a petrol engine: the engine runs at a higher engine speed during the cold start procedure so that the catalytic converter can reach operating temperature more quickly. The sound of the engine may change as a result.

Automatic transmission

▶ Shift the transmission to position **P** (▷ page 183).
The transmission position indicator in the multifunction display shows **P** (▷ page 184).

You can start the engine in transmission position **P** and **N**.

Starting procedure with the key

To start the engine using the key instead of the Start/Stop button, pull the Start/Stop button out of the ignition lock.

▶ **To start a diesel engine**: turn the key to position **2** in the ignition lock (▷ page 175). The preglow indicator lamp in the instrument cluster lights up.

▶ Turn the key to position **3** in the ignition lock and release it as soon as the engine is running (▷ page 175).

Vehicles with a diesel engine: you can start the engine without preglow if the engine is warm.

Starting procedure using the Start/Stop button

The Start/Stop button can be used to start the vehicle manually without inserting the key into the ignition lock. The key must be in the vehicle and the Start/Stop button must be inserted in the ignition lock. This mode for starting the engine operates independently of the ECO start/stop automatic engine start function.

You can start the engine if a valid key is in the vehicle. Always take the key with you when leaving the vehicle, even if you only leave it for a short time. Pay attention to the important safety notes.

- ▶ Depress the brake pedal and keep it depressed.
- ▶ Press the Start/Stop button once (▷ page 175).
  Vehicles with a petrol engine: the engine starts.
  Vehicles with a diesel engine: preglow is activated and the engine starts.

Pulling away

General notes

⚠ WARNING

If the engine speed is above the idling speed and you engage transmission position **D** or **R**, the vehicle could pull away suddenly. There is a risk of an accident.

When engaging transmission position **D** or **R**, always firmly depress the brake pedal and do not simultaneously accelerate.

Depress the accelerator carefully when pulling away.

The vehicle locks centrally once you have pulled away. The locking knobs in the doors drop down.

You can open the doors from the inside at any time.

You can also deactivate the automatic locking feature (▷ page 95).

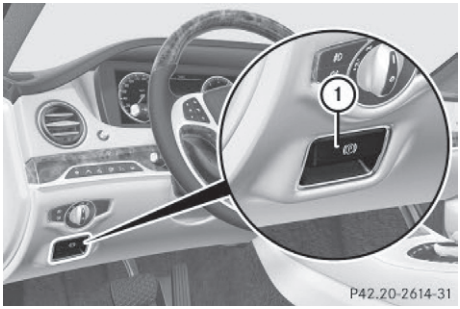
It is only possible to shift the transmission from position **P** to the desired position if you depress the brake pedal. Only then is the parking lock released.

If you do not depress the brake pedal, the DIRECT SELECT lever can still be moved but the parking lock remains engaged.

ⓘ Upshifts take place at higher engine speeds after a cold start. This helps the catalytic converter to reach its operating temperature more quickly.

Information on automatically releasing the electrical parking brake (▷ page 207).

Pulling away with a trailer



To ensure that you do not roll backwards when pulling away on an uphill slope, apply the electric parking brake.

- ▶ Press and hold handle ①.
  The electric parking brake continues to brake and prevent the vehicle from rolling backwards.
  The red (P) indicator lamp in the instrument cluster remains lit.
- ▶ Depress the accelerator pedal.
- ▶ As soon as the vehicle/trailer combination is held by the driving force of the engine, release lever ①.
  The electric parking brake is released
  The red (P) indicator lamp in the instrument cluster goes out.

For further information on the electric parking brake, see (▷ page 206).

Hill start assist

Hill start assist helps you when pulling away forwards or in reverse on an uphill gradient. It holds the vehicle for a short time after you have removed your foot from the brake pedal. 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.

⚠ WARNING

After a while, hill start assist no longer holds the vehicle and it may roll away. There is a risk of an accident and injury.

Therefore, quickly move your foot from the brake pedal to the accelerator pedal. Never leave the vehicle when it is held by hill start assist.

Hill start assist is not active if:

- you are pulling away on a level road or a downhill gradient
- the transmission is in position **N**
- the electric parking brake is applied
- ESP® is malfunctioning

ECO start/stop function (all vehicles except hybrid vehicles and plug-in hybrid)

Introduction

This section describes the ECO start/stop function for all vehicles except hybrid vehicles and PLUG-IN HYBRID vehicles. Information on the ECO start/stop function on:

- Hybrid vehicles (▷ page 268)
- PLUG-IN HYBRID (▷ page 283)

The ECO start/stop function switches the engine off automatically if the vehicle is stopped under certain conditions.

When pulling away again, the engine starts automatically. The ECO start/stop function thereby helps you to reduce the fuel consumption and emissions of your vehicle.

Important safety notes

⚠ WARNING

If the engine is switched off automatically and you exit the vehicle, the engine is restarted automatically. The vehicle may begin moving. There is a risk of accident and injury.

If you wish to exit the vehicle, always turn off the ignition and secure the vehicle against rolling away.

General notes



① ECO start/stop display

The ECO start/stop function is switched on whenever you switch on the engine using the key or the Start/Stop button.

If the Ⓐ ECO symbol is shown in green in the multifunction display, the ECO start/stop function switches the engine off automatically once the vehicle stops moving.

If the ECO start/stop function has been manually deactivated (▷ page 180) or a malfunction has caused the system to be deactivated, the Ⓐ ECO symbol is not displayed.

The ECO start/stop function is only available in drive program **E** (drive program **C** on Mercedes-AMG vehicles).

Automatic engine switch-off

If the vehicle is braked to a standstill with the transmission in **D** or **N**, the ECO start/stop function switches off the engine automatically.

The ECO start/stop function is operational and the Ⓐ ECO symbol is displayed in green in the multifunction display, if:

- the indicator lamp in the ECO button is lit green
- the outside temperature is within the range that is suitable for the system
- the engine is at normal operating temperature
- the set temperature for the vehicle interior has been reached
- the battery is sufficiently charged
- the system detects that the windscreen is not misted up when the air-conditioning system is switched on
- the bonnet is closed
- the driver's door is closed and the driver's seat belt is fastened

If the conditions for automatic engine switch-off are not all met, the Ⓐ ECO symbol is shown in yellow.

All of the vehicle's systems remain active when the engine is switched off automatically.

The HOLD function can be activated if the engine has been switched off automatically. It is then not necessary to continue applying the brakes during the automatic stop phase. When you depress the accelerator pedal, the engine starts automatically and the braking effect of the HOLD function is deactivated.

All vehicles (except Mercedes-AMG vehicles): automatic engine switch-off can take place a maximum of four times in a row (initial switch-off, then three subsequent switch-offs). The Ⓐ ECO symbol is shown in yellow in the multifunction display after the engine has been started automatically for the fourth time. When the Ⓐ ECO symbol is shown in green in the multifunction display, automatic engine switch-off is again possible.

Mercedes-AMG vehicles: the number of consecutive automatic engine stops is unlimited.

Automatic engine start

The engine is started automatically if:

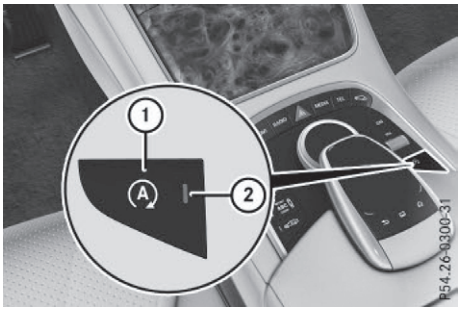
- you switch off the ECO start/stop function by pressing the ECO button
- you switch to drive program **S** or **M**
- in transmission position **D** or **N**, the brake pedal is released and the HOLD function is not active
- you depress the accelerator pedal
- you engage reverse gear **R**
- you move the transmission out of position **P**
- you unfasten your seat belt or open the driver's door
- the vehicle starts to roll
- the brake system requires this
- the temperature in the vehicle interior deviates from the set range
- the system detects moisture on the windscreen when the air-conditioning system is switched on
- the battery's charge status is too low

Shifting the transmission to position **P** does not start the engine.

If you shift the transmission from **R** to **D**, the ECO start/stop function is available again once the Ⓐ ECO symbol reappears in green in the multifunction display.

Switching the ECO start/stop function off/on

All vehicles (except Mercedes-AMG vehicles)



- ▶ **To switch off:** press ECO button ①. Indicator lamp ② and the Ⓐ ECO symbol in the multifunction display go out.
- ▶ **To switch on:** press ECO button ①. Indicator lamp ② lights up. If all conditions for automatic engine switch-off (▷ page 179) are fulfilled, the Ⓐ ECO symbol is shown in green in the multifunction display.

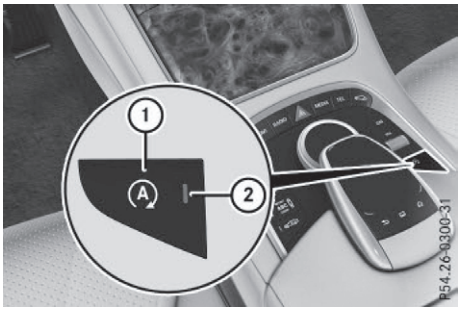
  If not all conditions for automatic engine switch-off (▷ page 179) are met, the Ⓐ ECO symbol is shown in yellow in the multifunction display. If this is the case, the ECO start/stop function is not available.

If indicator lamp ② is off, the ECO start/stop function has been deactivated manually or as the result of a malfunction. The engine will then not be switched off automatically when the vehicle stops.

If drive program **S** or **M** has been selected, the ECO start/stop function is always deactivated.

If you switch on the ECO start/stop function while drive program **S** is selected, the drive program automatically switches to **E**.

Mercedes-AMG vehicles



▶ **To switch off:** in drive program **C**, press ECO button ①.

or

▶ Switch to drive program **S** or **M**(▷ page 186). Indicator lamp ② and the Ⓐ ECO symbol in the multifunction display go out.

▶ **To switch on:** press ECO button ①. Indicator lamp ② lights up. If drive program **S** or **M** is active, the automatic transmission switches to drive program **C**.

If all conditions for automatic engine switch-off (▷ page 179) are fulfilled, the Ⓐ ECO symbol is shown in green in the multifunction display.

If not all conditions for automatic engine switch-off (▷ page 179) are fulfilled, the Ⓐ ECO symbol is shown in yellow. If this is the case, the ECO start/stop function is not available.

If indicator lamp ② is off, the ECO start/stop function has been deactivated manually or as the result of a malfunction. The engine will then not be switched off automatically when the vehicle stops.

If drive program **S** or **M** has been selected, the ECO start/stop function is always deactivated.

If you switch on the ECO start/stop function while drive program **S** is selected, the drive program automatically switches to **C**.

Problems with the engine

Problem	Possible causes/consequences and ▶ Solutions
The engine does not start. The starter motor can be heard.	• There is a malfunction in the engine electronics. • There is a malfunction in the fuel supply. Before attempting to start the engine again: ▶ Turn the key back to position **0** in the ignition lock. or ▶ Press the Start/Stop button repeatedly until all indicator lamps in the instrument cluster go out. ▶ Try to start the engine again (▷ page 177). Avoid excessively long and frequent attempts to start the engine, as this will drain the battery. If the engine does not start after several attempts: ▶ Consult a qualified specialist workshop.
The engine does not start. The starter motor can be heard. The reserve fuel warning lamp is lit and the fuel gauge display is at the reserve level.	The fuel tank is empty. ▶ Refuel the vehicle.

Problem	Possible causes/consequences and ▶ Solutions
The engine does not start. You cannot hear the starter motor.	The on-board voltage is too low because the battery is too weak or discharged. ▶ Jump-start the vehicle (▷ page 417). If the engine does not start despite attempts to jump-start it: ▶ Consult a qualified specialist workshop.
	The starter motor was exposed to a thermal load that was too high. ▶ Try to start the engine again. If the engine still does not start: ▶ Consult a qualified specialist workshop.
Vehicles with a petrol engine: The engine is not running smoothly and is misfiring.	There is a malfunction in the engine electronics or in a mechanical component of the engine management system. ▶ Only depress the accelerator pedal slightly. Otherwise, non-combusted fuel may get into the catalytic converter and damage it. ▶ Have the cause rectified immediately at a qualified specialist workshop.
The coolant temperature display is showing more than 120 °C. A display message may also appear in the multifunction display and a warning tone may sound.	The coolant level is too low. The coolant is too hot and the engine is no longer being cooled sufficiently. ▶ Stop as soon as possible and allow the engine and the coolant to cool down. ▶ Check the coolant level (▷ page 396). Observe the warning notes as you do so and top up the coolant if necessary.
	If the coolant level is correct, the engine radiator fan may be faulty. The coolant is too hot and the engine is no longer being cooled sufficiently. ▶ If the coolant temperature is below 120 °C, you can continue driving to the nearest qualified specialist workshop. ▶ Avoid heavy loads on the engine as you do so, e.g. driving in mountainous terrain and stop-start traffic.

Automatic transmission

Important safety notes

⚠ WARNING

If the engine speed is above the idling speed and you engage transmission position **D** or **R**, the vehicle could pull away suddenly. There is a risk of an accident.

When engaging transmission position **D** or **R**, always firmly depress the brake pedal and do not simultaneously accelerate.

⚠ WARNING

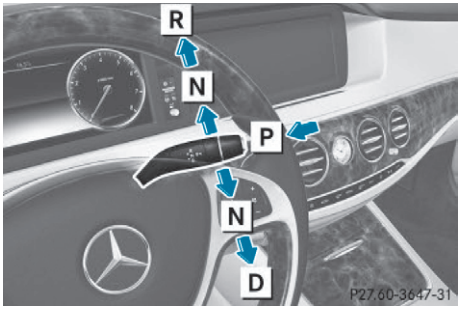
The automatic transmission switches to neutral position **N** when you switch off the engine. The vehicle may roll away. There is a risk of an accident.

After switching off the engine, always switch to parking position **P**. Prevent the parked vehicle from rolling away by applying the parking brake.

Observe the important safety notes for hybrid vehicles and PLUG-IN HYBRID vehicles (▷ page 44).

DIRECT SELECT lever

Overview of transmission positions



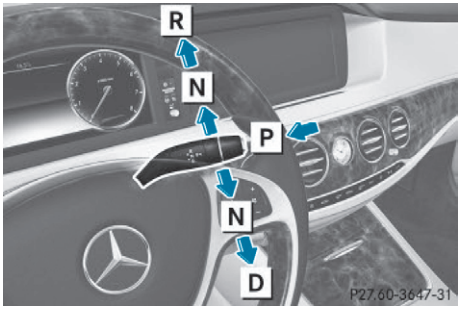
P Park position with parking lock
R Reverse gear
N Neutral
D Drive

The DIRECT SELECT lever is on the right of the steering column.

The DIRECT SELECT lever always returns to its original position. The current transmission position **P**, **R**, **N** or **D** appears in the transmission position display (▷ page 184) in the multifunction display.

Engaging park position P

! If the engine speed is too high, do not shift the automatic transmission directly from **D** to **R**, from **R** to **D** or directly to **P**. Otherwise, the automatic transmission could be damaged.



P Park position with parking lock
R Reverse gear
N Neutral
D Drive

▶ Push the DIRECT SELECT lever in the direction of arrow **P**.

Engaging park position P automatically

Park position **P** is automatically engaged if:

- you switch off the engine using the key and remove the key
- you switch off the engine using the key or using the Start/Stop button and open the driver's door or front-passenger door
- you open the driver's door when the vehicle is stationary or when driving at a very low speed and the transmission is in position **D** or **R**.

Under certain conditions, the automatic transmission shifts automatically to transmission position **P** if the HOLD function or DISTRONIC PLUS is activated. Observe the information on the HOLD function (▷ page 227) and on DISTRONIC PLUS (▷ page 220).

Engaging reverse gear R

! Only shift the automatic transmission to **R** when the vehicle is stationary.

▶ If the transmission is in position **D** or **N**: push the DIRECT SELECT lever up past the first point of resistance.

▶ If the transmission is in position **P**: depress the brake pedal and push the DIRECT SELECT lever up past the first point of resistance.

The ECO start/stop function is not available when reverse gear is engaged. For further information on the ECO start/stop function; see (▷ page 179).

Shifting to neutral N

⚠ WARNING

If children are left unsupervised in the vehicle, they can:

- open doors and endanger other persons or road users
- climb out and be injured by the traffic
- operate vehicle equipment and, for example, trap themselves.

Children could also set the vehicle in motion, for example by:

- releasing the parking brake
- shifting the automatic transmission out of park position **P**
- starting the engine.

There is a risk of an accident and injury.

When leaving the vehicle, always take the key with you and lock the vehicle. Never leave children unattended in the vehicle. Always keep the key out of reach of children.

- ▶ If the transmission is in position **D** or **R**: push the DIRECT SELECT lever up or down to the first point of resistance.
- ▶ If the transmission is in position **P**: depress the brake pedal and push the DIRECT SELECT lever up or down to the first point of resistance.

If you switch the engine off with the transmission in position **R** or **D**, the automatic transmission shifts to **N** automatically.

With the key: if you then open the driver's door or the front-passenger door or remove the key from the ignition, the automatic transmission shifts to **P** automatically.

With the Start/Stop button: if you then open the driver's door or the front-passenger door, the automatic transmission shifts to **P** automatically.

If you want the automatic transmission to remain in neutral **N**, e.g. when having the vehicle cleaned in an automatic car wash with a towing system:

With the key:

- ▶ Switch the ignition on.
- ▶ Depress the brake pedal and keep it depressed.
- ▶ Shift to neutral **N**.
- ▶ Release the brake pedal.
- ▶ Release the electric parking brake.
- ▶ Switch off the ignition and leave the key in the ignition lock.

With the Start/Stop button:

- ▶ Remove the Start/Stop button from the ignition lock.
- ▶ Insert the key into the ignition lock.
- ▶ Switch the ignition on.
- ▶ Depress the brake pedal and keep it depressed.
- ▶ Shift to neutral **N**.
- ▶ Release the brake pedal.
- ▶ Release the electric parking brake.
- ▶ Switch off the ignition and leave the key in the ignition lock.

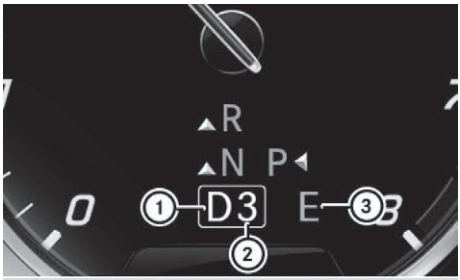
Engaging drive position D

- ▶ If the transmission is in position **R** or **N**: push the DIRECT SELECT lever down past the first point of resistance.
- ▶ If the transmission is in position **P**: depress the brake pedal and push the DIRECT SELECT lever down past the first point of resistance.

Transmission position display

All vehicles (except Mercedes-AMG vehicles)

The current transmission position and drive program appear in the multifunction display.



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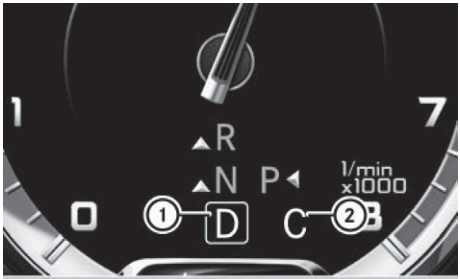
① Transmission position
② Gear
③ Drive program

The arrows in the transmission position display show how and into which transmission positions you can shift using the DIRECT SELECT lever.

If the transmission position display in the multifunction display is not working, you should pull away carefully to check whether the desired transmission position is engaged. Ideally, you should select transmission position **D** and drive program **E** (for PLUG-IN HYBRID vehicles select drive program **E+**) or **S**.

Mercedes-AMG vehicles

The current transmission position and drive program appear in the multifunction display.



① Transmission position
② Drive program

The arrows in the transmission position display show how and into which transmission positions you can shift using the DIRECT SELECT lever.

If the transmission position display in the multifunction display is not working, you should pull away carefully to check whether the desired transmission position is engaged. Ideally, you should select transmission position **D** and drive program **C** or **S**.

Transmission positions

P	**Park position** This prevents the vehicle from rolling away when stopped. Only shift the transmission into position **P** when the vehicle is stationary (▷ page 183). Park position **P** is automatically engaged if: • you switch off the engine using the key and remove the key • you switch off the engine using the key or using the Start/Stop button and open the driver's door or front-passenger door • you open the driver's door when the vehicle is stationary or when driving at a very low speed and the transmission is in position **D** or **R**.
R	**Reverse gear** Only shift the transmission into position **R** when the vehicle is stationary.
N	**Neutral** Do not shift the transmission to **N** while driving. Otherwise, the automatic transmission could be damaged. If ESP® is deactivated or faulty: shift the transmission to position **N** if the vehicle is in danger of skidding, e.g. on icy roads. If you switch the engine off with the transmission in position **R** or **D**, the automatic transmission shifts to **N** automatically. ! Rolling in neutral **N** can lead to damage to the transmission.
D	**Drive** The automatic transmission changes gear automatically. All forward gears are available.

Driving tips

Changing gear

The automatic transmission shifts to the individual gears automatically when it is in transmission position **D**. Gearshifting is determined by:

- the selected drive program (▷ page 186)
- the position of the accelerator pedal (▷ page 186)
- the road speed

Accelerator pedal position

Your style of driving influences how the automatic transmission shifts gear:

- little throttle: early upshifts
- more throttle: late upshifts

Kickdown

Using kickdown for maximum acceleration:

▶ Depress the accelerator pedal beyond the pressure point.
The transmission shifts to a lower gear depending on the engine speed.

▶ Ease off the accelerator pedal once the desired speed is reached.
The automatic transmission shifts back up.

Towing a trailer

Towing a trailer is not possible with all models. For further information, see (▷ page 286).

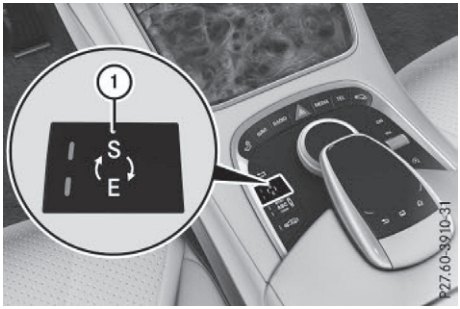
▶ Drive in the middle of the engine speed range on uphill gradients.

▶ Shift down to gear **3** or **2** (▷ page 187) depending on the uphill or downhill gradient, even if cruise control, DISTRONIC PLUS or SPEEDTRONIC is activated.

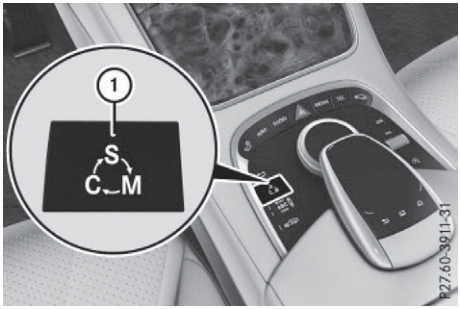
Program selector button

This section describes the program selector button for all vehicles except hybrid vehicles or PLUG-IN HYBRID vehicles. Information on automatic drive programs:

- Hybrid vehicles (▷ page 266)
- PLUG-IN HYBRID (▷ page 280)



▶ **All vehicles (except Mercedes-AMG vehicles and PLUG-IN HYBRID):** press program selector button ① to change the drive program.
The selected drive program appears in the multifunction display.



▶ **Mercedes-AMG vehicles:** Press program selector button ① repeatedly until the letter for the desired drive program appears in the multifunction display.

The program selector button influences:

- the drive program (▷ page 187)
- the engine management

On Mercedes-AMG vehicles, drive program **E** is called drive program **C**.

The automatic transmission switches to automatic drive program **E** (drive program **C** in Mercedes-AMG vehicles) each time the engine is started.

All vehicles (except Mercedes-AMG vehicles and PLUG-IN HYBRID vehicles)

E Economy	Comfortable, economical driving
S Sport	Sporty driving style

You can also activate manual drive program **M** using the steering wheel gearshift paddles (▷ page 187). In manual drive program **M**, you can briefly change gear yourself by using the steering wheel gearshift paddles.

Mercedes-AMG vehicles

C Controlled Efficiency	Comfortable, economical driving
S Sport	Sporty driving style
M Manual	Manual gearshifting

Permanent drive program **M** is only available for Mercedes-AMG vehicles.

Further information about permanent drive program **M** (▷ page 189).

You can also activate manual drive program **M** using the steering wheel gearshift paddles (▷ page 187). In manual drive program **M**, you can briefly change gear yourself by using the steering wheel gearshift paddles.

Further information on the automatic drive program (▷ page 187).

Steering wheel gearshift paddles



You can activate manual drive program **M** in the **E** (**C** in AMG vehicles) and **S** automatic drive programs using steering wheel gearshift paddles ① and ② (▷ page 187). In manual drive program **M**, you can briefly change gear yourself by using the steering wheel gearshift paddles.

Mercedes-AMG vehicles: you can also activate manual drive program **M** with the program selector button (▷ page 189). In manual drive program **M**, you can permanently change gear yourself by using the steering wheel gearshift paddles.

Automatic drive program

Automatic drive program E

Drive program **E** (drive program **C** on Mercedes-AMG vehicles) is characterised by the following:

- comfort-oriented engine settings.
- optimal fuel consumption resulting from the automatic transmission shifting up sooner.
- the vehicle pulling away more gently in forward and reverse gears unless the accelerator pedal is depressed fully.
- the vehicle has improved driving stability, for example on slippery road surfaces.
- the automatic transmission shifting up sooner. This results in the vehicle being driven at lower engine speeds and the wheels being less likely to spin.

Automatic drive program S

Drive program **S** is characterised by the following:

- sporty engine settings
- the vehicle pulling away in first gear.
- the automatic transmission shifting up later. As a result of the later automatic transmission shift points, the fuel consumption possibly being higher.

Manual drive program M

General notes

In this drive program, you can briefly change gear yourself by using the steering wheel gearshift paddles. The transmission must be in position **D**.

You can activate manual drive program **M** in the **E** (**C** in Mercedes-AMG vehicles) and **S** automatic drive programs.

Mercedes-AMG vehicles: as well as temporary drive program **M**, you can also activate permanent drive program **M**. Further information about permanent drive program **M** (▷ page 189).

Activating

- ▶ Shift the transmission to position **D**.
- ▶ Pull the left or right steering wheel gearshift paddle (▷ page 187).
  Manual drive program **M** is temporarily activated.
  All vehicles (except Mercedes-AMG vehicles:) M and the selected gear appear in the multifunction display.

Further information on activating manual drive program **M** on:

- Hybrid vehicles (▷ page 266)
- PLUG-IN HYBRID (▷ page 281)

Shifting gears

If you pull on the left or right-hand steering wheel gearshift paddle, the automatic transmission switches to manual drive program **M** for a limited amount of time. Depending on which gearshift paddle is pulled, the automatic transmission immediately shifts into the next gear up or down, if permitted.

- ▶ **To shift up:** pull the right-hand steering wheel gearshift paddle (▷ page 187).
  The automatic transmission shifts up to the next gear.
  If the maximum engine speed on the currently engaged gear is reached and you continue to accelerate, the automatic transmission automatically shifts up in order to prevent engine damage.
  Mercedes-AMG vehicles: the automatic transmission will not shift up to the next gear when the engine speed is very low.
- ▶ **To shift down:** pull on the left-hand steering wheel gearshift paddle (▷ page 187).
  The automatic transmission shifts down to the next gear.
  If the engine exceeds the maximum engine speed when shifting down, the automatic transmission protects against engine damage by not shifting down.
  Automatic downshifting occurs when coasting.

Gearshift recommendation



P54.33-3088-31

The gearshift recommendations assist you in adopting an economical driving style. The recommended gear is shown in the multifunction display.

- ▶ Shift to recommended gear ② according to gearshift recommendation ① when shown in the multifunction display of the instrument cluster.

Deactivating

If you have activated manual drive program **M**, it will remain active for a certain amount of time. Under certain conditions the minimum amount of time is extended, e.g. in the case of lateral acceleration, during an overrun phase or when driving on steep terrain.

When manual drive program **M** is deactivated, the automatic transmission shifts into the automatic drive program that was last selected.

You can also deactivate manual drive program **M** yourself:

- ▶ Pull on the right-hand steering wheel gearshift paddle and hold it in place (▷ page 187).

or

- ▶ Use the DIRECT SELECT lever to shift the transmission position.

or

- ▶ Use the program selector button to change the drive program (▷ page 186).
  Manual drive program **M** is deactivated. The automatic transmission switches to the previously activated drive program **E** (drive program **C** on Mercedes-AMG vehicles) or **S**.

Manual drive program (Mercedes-AMG vehicles)

General notes

In this drive program, you can permanently change gear yourself by using the steering wheel gearshift paddles. The transmission must be in position **D**.

Manual drive program **M** differs from drive program **S** with regard to spontaneity, responsiveness and the smoothness of the gear changes.

As well as this permanent drive program **M**, you can also activate temporary drive program **M** (▷ page 187).

Activating the manual drive program

In manual drive program **M**, you can change gear yourself using the steering wheel gearshift paddles if the transmission is in position **D**. The current drive program and the engaged gear are shown in the multifunction display.

▶ Press the program selector button (▷ page 186) repeatedly until **M** appears in the multifunction display.

Upshifting

! In manual gearshift program **M**, the automatic transmission does not shift up automatically even when the engine limiting speed for the current gear is reached. When the engine limiting speed is reached, the fuel supply is cut to prevent the engine from overrevving. You must make sure that the engine speed does not reach the red area of the rev counter. Otherwise, there is a risk of engine damage.



① Gear indicator
② Upshift indicator

Before the engine speed reaches the red area, an upshift indicator will be shown in the multifunction display.

▶ When message ② appears in the multifunction display, pull on the right-hand steering wheel gearshift paddle.

Downshifting

▶ Pull the left-hand steering wheel gearshift paddle (▷ page 187).
The automatic transmission shifts down to the next gear if this is permissible.

Maximum acceleration

▶ Pull the left-hand steering wheel gearshift paddle until the transmission selects the optimum gear for the current speed.

If you slow down or stop without shifting down, the automatic transmission automatically shifts down.

Deactivating the manual drive program

▶ Press the program selector button (▷ page 186) repeatedly until **C** or **S** appears in the multifunction display.

Problems with the transmission

Problem	Possible causes/consequences and ▶ Solutions
The transmission has problems shifting gear.	The transmission is losing oil. ▶ Have the transmission checked at a qualified specialist workshop immediately.
The acceleration ability is deteriorating. The transmission no longer changes gear.	The transmission is in emergency mode. **7G-TRONIC:** it is only possible to shift into **second** gear and reverse gear. **9G-TRONIC:** it is only partly possible to engage the gears or the transmission is in position **N**. ▶ Stop. ▶ Shift the transmission to position **P**. ▶ Switch off the engine. ▶ Wait at least ten seconds before restarting the engine. ▶ Shift the transmission to position **D** or **R**. **7G-TRONIC:** If **D** is selected, the transmission shifts into **second** gear, if **R** is selected, the transmission shifts into reverse gear. ▶ Have the transmission checked at a qualified specialist workshop immediately.

Problems with:

- HYBRID operation (▷ page 270)
- PLUG-IN HYBRID operation (▷ page 284)

Refuelling

Important safety notes

⚠ WARNING

Fuel is highly flammable. If you handle fuel incorrectly, there is a risk of fire and explosion.

You must avoid fire, naked flames, creating sparks and smoking. Switch off the engine and, if applicable, the auxiliary heating before refuelling.

⚠ WARNING

Fuels are poisonous and hazardous to health. There is a danger of injury.

Do not swallow fuel or let it come into contact with skin, eyes or clothing. Do not inhale fuel vapours. Keep fuels out of the reach of children.

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

- Wash the fuel off any affected areas of skin with water and soap immediately.
- If you get fuel in your eyes, rinse them thoroughly with clean water immediately. Seek immediate medical attention.
- If fuel is swallowed, seek immediate medical attention. Do not induce vomiting.
- Change any clothing that has come into contact with fuel immediately.

⚠ WARNING

Electrostatic charge can cause sparks and thereby ignite fuel vapours. There is a risk of fire and explosion.

Always touch the vehicle body before opening the fuel filler flap or touching the fuel pump

nozzle. This discharges any electrostatic charge that may have built up.

Do not get into the vehicle again during the refuelling process. Otherwise, electrostatic charge could build up again.

⚠ WARNING

Vehicles with a diesel engine:

If you mix diesel fuel with petrol, the flash point of this fuel mixture is lower than that of pure diesel fuel. When the engine is running, components in the exhaust system may overheat unnoticed. There is a risk of fire.

Never refuel with petrol. Never add petrol to diesel fuel.

! Do not use diesel to refuel vehicles with a petrol engine. Do not switch on the ignition if you accidentally refuel with the wrong fuel. Otherwise, the fuel will enter the fuel system. Even small amounts of the wrong fuel can result in damage to the fuel system and the engine. Notify a qualified specialist workshop and have the fuel tank and fuel lines drained completely.

! Do not use petrol to refuel vehicles with a diesel engine. Do not switch on the ignition if you accidentally refuel with the wrong fuel. 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. Notify a qualified specialist workshop and have the fuel tank and fuel lines drained completely.

! Overfilling the fuel tank could damage the fuel system.

! Take care not to spill any fuel on painted surfaces. You could otherwise damage the paintwork.

! Use a filter when adding fuel from a fuel can. The fuel lines and/or the fuel injection system could otherwise be blocked by particles from the fuel can.

If you overfill the fuel tank, some fuel may spray out when you remove the fuel pump nozzle.

Further information on fuel and fuel quality (▷ page 467).

Refuelling

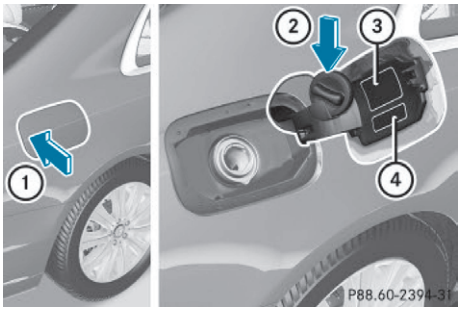
General notes

Observe the important safety notes (▷ page 190).

If you unlock/lock the vehicle from the outside, the fuel filler flap also unlocks/locks.

The position of the ⛽ fuel filler cap is displayed in the instrument cluster. The arrow next to the filling pump indicates the side of the vehicle.

Opening the fuel filler flap



Open fuel filler flap (example: Mercedes-Maybach)

① To open the fuel filler flap
② To insert the fuel filler cap
③ Tyre pressure table
④ Instruction label on the fuel type to be refuelled

▶ Switch off the engine.
▶ Open the driver's door.
The on-board electronics now have status **0**. This is the same as the key having been removed.

or, if the key is inserted in the ignition lock:

▶ Remove the key from the ignition lock.
▶ Press the fuel filler flap in the direction of arrow ①.
The fuel filler flap swings up.
▶ Turn the fuel filler cap anti-clockwise and remove it.
▶ Insert the fuel filler cap into the holder on the inside of fuel filler flap ②.
▶ Completely insert the filler neck of the fuel pump nozzle into the tank, hook in place and refuel.
▶ Only fill the tank until the pump nozzle switches off.

Vehicles with a diesel engine: the filler neck is designed for refuelling at diesel filling pumps.

Closing the fuel filler flap

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

If you drive at speeds above 2 km/h with the fuel filler flap open, the `Fuel filler flap open` message is shown in the multifunction display.

Close the fuel filler flap before locking the vehicle.

Problems with the fuel and fuel tank

Problem	Possible causes/consequences and ▶ Solutions
Fuel is leaking from the vehicle.	⚠ **WARNING** The fuel line or the fuel tank is faulty. There is a risk of fire or explosion. ▶ Apply the electric parking brake. ▶ Switch off the engine. ▶ Make sure that the ignition is switched off (▷ page 175). or ▶ When using the key, turn the key to position **0** in the ignition lock and remove it (▷ page 175). ▶ Do not restart the engine under any circumstances. ▶ Consult a qualified specialist workshop.
The engine does not start.	The fuel tank of a vehicle with a diesel engine has been run completely dry. ▶ Refuel the vehicle with at least 5 litres of diesel. ▶ Turn the ignition on for approximately ten seconds (▷ page 175). ▶ Start the engine continuously for a maximum of ten seconds until it runs smoothly. If the engine does not start: ▶ Turn the ignition on again for a maximum of ten seconds (▷ page 175). ▶ Start the engine again continuously for a maximum of ten seconds until it runs smoothly. If the engine does not start after three attempts: ▶ Consult a qualified specialist workshop.
The fuel filler flap cannot be opened.	The fuel filler flap is not unlocked. ▶ Unlock the vehicle (▷ page 88).

Problem	Possible causes/consequences and ▶ Solutions
	The key battery is discharged or nearly discharged. ▶ Unlock the vehicle using the emergency key element (▷ page 90).
	The fuel filler flap is unlocked, but the opening mechanism is jammed. ▶ Consult a qualified specialist workshop.

AdBlue® (BlueTEC vehicles only)

General notes

To function properly, BlueTEC exhaust gas aftertreatment must be operated with the reducing agent AdBlue®. Topping up AdBlue® is part of the maintenance work. Under normal operating conditions, a full tank of AdBlue® should last until the next service due date.

When the supply of AdBlue® is down to approximately 3.0 litres, the Refill AdBlue See Owner's Manual message is shown in the multifunction display.

If you drive the vehicle faster than 15 km/h the Refill AdBlue See Owner's Manual message goes out after approximately one minute.

When the AdBlue® supply drops to a minimum, the Refill AdBlue No start in ... mi message is shown in the multifunction display.

When the Refill AdBlue No start in ... mi message is shown in the multifunction display, you can still drive the vehicle over the distance shown. If the AdBlue® is not topped up, you will subsequently be **unable to start the engine**. If the Refill AdBlue Eng. start not possible message appears in the multifunction display and the engine does not start, you must top up AdBlue®.

▶ Add at least 3.5 l of AdBlue®.

▶ Switch on the ignition for at least 60 seconds.

▶ Start the engine.

ⓘ You can also have the AdBlue® tank refilled at a qualified specialist workshop.

Before driving your vehicle outside Europe, have the AdBlue® supply checked at a qualified specialist workshop.

Further information about BlueTEC exhaust gas aftertreatment and about AdBlue® can be obtained from any Mercedes-Benz Service Centre.

Important safety notes

AdBlue® is a water-soluble fluid for the exhaust gas aftertreatment of diesel engines. It is:

- non-toxic
- colourless and odourless
- non-flammable

If you open the AdBlue® tank, small amounts of ammonia vapour may be released.

Ammonia vapours have a pungent odour and are particularly irritating to the skin, to mucous membranes and to the eyes. You may experience a burning sensation in your eyes, nose and throat. You may also experience coughing and watery eyes.

Do not inhale any ammonia vapours that may be released. Only fill the AdBlue® tank in well-ventilated areas.

Do not swallow AdBlue® or let it come into contact with skin, eyes or clothing. Keep AdBlue® away from children.

If you or others come into contact with AdBlue®, observe the following:

- immediately rinse AdBlue® off your skin with soap and water.
- if AdBlue® comes into contact with your eyes, immediately rinse them thoroughly with clean water. Seek medical attention immediately.
- if AdBlue® is swallowed, immediately rinse your mouth out thoroughly. Drink plenty of water. Seek medical attention immediately.
- change immediately out of clothing that has come into contact with AdBlue®.

! Only use AdBlue® in accordance with ISO 22241. Do not mix any additives with AdBlue®, and do not dilute AdBlue® with water. This may destroy the BlueTEC exhaust gas aftertreatment system.

! In order to fill the AdBlue® tank, the vehicle must be parked on a level surface. The

AdBlue® tank can only be filled as intended with the vehicle parked on a level surface. Fluctuations in capacity will thus be avoided. Filling a vehicle standing on an uneven surface is not permitted. There is a danger of overfilling, which can cause damage to BlueTEC exhaust gas aftertreatment components.

! Surfaces which have come into contact with AdBlue® while refilling should be rinsed immediately with water, or remove AdBlue® with a moist cloth and cold water. If AdBlue® has already crystallised, use a sponge and cold water to clean the area. AdBlue® residue crystallises after a certain amount of time and soils the affected surfaces.

! AdBlue® is not a fuel additive and must not be added to the fuel tank. If AdBlue® is added to the fuel tank, this can lead to engine damage.

Have the AdBlue® tank refilled at a qualified specialist workshop. However, you can also top up the AdBlue® tank:

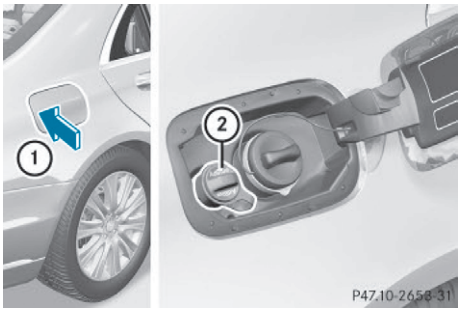
- at a filling station with an AdBlue® filling pump
- with AdBlue® refill bottles
- with an AdBlue® refill canister

When the pump nozzle switches off automatically during filling at a filling pump, the AdBlue® tank has been completely filled. Do not fill the AdBlue® tank any further. AdBlue® may leak out.

To avoid transporting already opened refill containers in the vehicle, completely empty refill bottles or canisters when filling the AdBlue® tank, if possible.

Further information on AdBlue® (▷ page 470).

Opening the AdBlue® filler cap



The fuel filler flap is unlocked or locked automatically when you unlock or lock the vehicle.

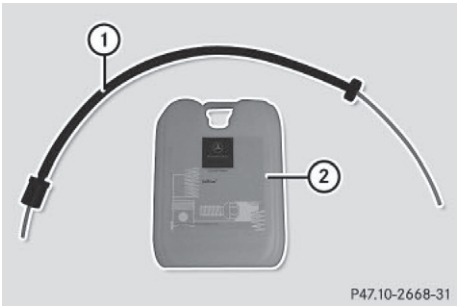
▶ Switch the ignition off.

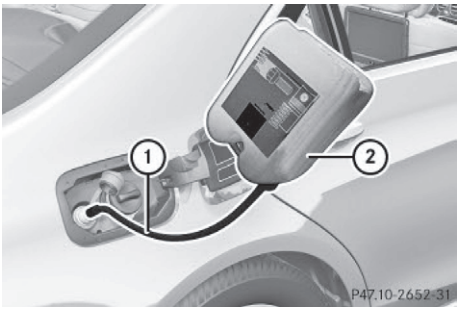
▶ Press the fuel filler flap in the direction of arrow ①.
The fuel filler flap swings up.

▶ Turn blue AdBlue® fuel filler cap ② anti-clockwise and remove it.
AdBlue® filler cap ② is secured with a plastic strip.

AdBlue® refill canisters

! Do not tighten the disposable hose with too much force. The disposable hose may otherwise be destroyed.





▶ Unscrew the cap from the opening on top of AdBlue® refill canister ②.

▶ Place disposable hose ① on the opening of AdBlue® refill canister ② and screw it on clockwise until hand-tight.

i Disposable hose ① remains closed until you fasten disposable hose ① to the AdBlue® filler neck of the vehicle.

▶ Place disposable hose ① on the filler neck on the vehicle and screw it on clockwise until

hand-tight. When you feel resistance, disposable hose ① is sufficiently secured.

▶ Lift up and tip AdBlue® refill canister ②.

ⓘ Filling stops when the AdBlue® tank is completely filled. Do not fill the AdBlue® tank any further. AdBlue® refill canister ② can be removed when it has been only partially emptied.

▶ Turn disposable hose ① on the filler neck of the vehicle anti-clockwise and remove it.

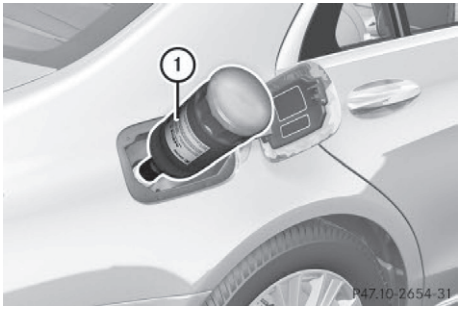
▶ Turn disposable hose ① on the opening of AdBlue® refill canister ② anti-clockwise and remove it.

▶ Reseal AdBlue® refill canister ② with the cap.

AdBlue® refill canisters are available at many filling stations or at a Mercedes-Benz Service Centre. AdBlue® refill canisters are often sold with a filler hose. A filler hose that does not exactly fit the vehicle's AdBlue® tank offers no protection against overfilling. AdBlue® may leak out as a result of overfilling. Mercedes-Benz offers a special disposable hose with overfill protection. You can obtain this from any Mercedes-Benz Service Centre. AdBlue® is available in a variety of containers and receptacles. Only use the disposable hose with the Mercedes-Benz AdBlue® refill canisters.

AdBlue® refill bottle

! Screw on the AdBlue® refill bottle only hand-tight. It may otherwise be destroyed.



▶ Unscrew the protective cap from AdBlue® refill bottle ①.

▶ Place AdBlue® refill bottle ① on the filler neck as shown and screw it on clockwise until hand-tight.

▶ Press AdBlue® refill bottle ① towards the filler neck.
The AdBlue® tank is filled. This could last up to one minute.

ⓘ When AdBlue® refill bottle ① is no longer pressed, filling stops and the bottle may be taken off again after being only partially emptied.

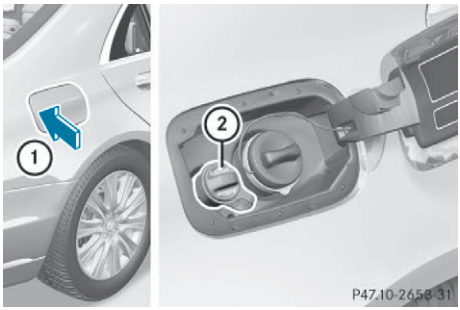
▶ Release AdBlue® refill bottle ①.

▶ Turn AdBlue® refill bottle ① anti-clockwise and remove it.

▶ Screw the protective cap onto AdBlue® refill bottle ① again.

AdBlue® refill bottles are available at many filling stations or at a Mercedes-Benz Service Centre. Refill bottles without a threaded seal offer no protection against overfilling. AdBlue® may leak out as a result of overfilling. Mercedes-Benz offers special refill bottles with a threaded cap. These are available at any Mercedes-Benz Service Centre.

Closing the AdBlue® filler cap



▶ Fit AdBlue® filler cap ② on the filler neck and turn it clockwise.

▶ To close the fuel filler flap, press it in the direction of arrow ①.

▶ Drive faster than 15 km/h.
The Refill AdBlue See Owner's Manual message goes out after approximately one minute.

If the Refill AdBlue See Owner's Manual message continues to be shown in the multifunction display, you must top up with more AdBlue®.

Charging the high-voltage battery (plug-in hybrid vehicles)

Important safety notes

⚠ DANGER

The vehicle's high voltage electrical system is under high voltage. If you modify components in the vehicle's high-voltage electrical system or touch damaged components, you may be electrocuted. The components in the vehicle's high-voltage electrical system may be damaged in an accident, although the damage is not visible. There is a risk of fatal injury.

Do not touch any high-voltage components after an accident and never modify the vehicle's high-voltage electrical system. Have the vehicle towed away after an accident and the vehicle's high-voltage electrical system checked by a qualified specialist workshop.

⚠ WARNING

In the event of a vehicle fire, the internal pressure of the high-voltage battery could exceed a critical value. In this case, flammable gas escapes through a vent valve in the vehicle's underbody. The gas can ignite. There is a risk of injury.

Leave the danger area immediately. Secure the danger area at a suitable distance, whilst observing legal requirements.

⚠ DANGER

Connecting the charging cable to the mains supply via incorrectly installed mains sockets or by means of adapters, extension cables or similar could cause a fire or an electric shock. There is a risk of fatal injury.

To avoid such risks, observe the following:

- Only connect the charging cable to mains sockets:
  - which have been properly installed and
  - which have been inspected by a qualified electrician
- For safety reasons, only use charging cables which have been supplied with the vehicle or which have been approved for this vehicle.
- Never use a damaged charging cable.
- Do **not** use:
  - extension cables
  - extension reels
  - multi-outlet sockets
- Never use socket adapters to connect the charging cable to the mains socket. The only exception is 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.

⚠ DANGER

Connecting the charging cable to the mains supply via an incorrectly installed wallbox or by means of adapters, extension cables or similar could cause a fire or an electric shock. There is a risk of fatal injury.

To avoid hazardous situations, observe the following:

- Wallbox without pre-installed 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.
- Only connect the charging cable if the wallbox:
  - has been properly installed and
  - has been inspected by a qualified electrician.
- Never use damaged charging cables.
- Do not extend the charging cable.
- Never use adapters.
- Observe the safety notes in the operating instructions for the wallbox.

The vehicle's high-voltage electrical system is under high voltage.

- Do not handle high-voltage components or the orange cables of the vehicle's high-voltage electrical system.
- Do not touch high-voltage components or the orange cables of the high-voltage electrical system when a vehicle has been involved in a crash.
- Do not touch any damaged components or the damaged orange cables of the vehicle's high-voltage electrical system.
- Do not remove the covers of the high-voltage electrical system components that are marked with a warning sticker.

General notes

Operation

The vehicle is equipped with a high-voltage battery for driving. The high-voltage battery stores the energy needed to operate the electric motor and releases it again.

The electric motor uses energy that has been stored in the high-voltage battery when pulling away, accelerating and during the journey.

In overrun mode, kinetic energy is converted by means of energy recuperation into electrical energy and stored in the high-voltage battery. Information on overrun mode (▷ page 283).

The high-voltage battery can be charged as follows:

- through energy recuperation while the vehicle is in motion
- during the journey by the combustion engine in CHARGE operating mode (▷ page 274)
- with the relevant charging cable at a mains socket while the vehicle is stationary
- with the relevant charging cable at a wallbox while the vehicle is stationary
- with the relevant charging cable at a charging station while the vehicle is stationary

The high-voltage battery can be charged in a nominal voltage range from 100 V to 240 V.

You can view the charge status of the high-voltage battery in the multifunction display. You can find information in "PLUG-IN HYBRID operation", section "Menus and submenus" under "Energy flow display" (▷ page 276).

High and low outside temperatures

Low outside temperatures

The maximum performance of the high-voltage battery is significantly reduced at very low outside temperatures. The high-voltage battery is then no longer able to provide the normal electrical power output.

High outside temperatures

To prevent damage to the high-voltage battery due to very high outside temperatures, the maximum power output of the high-voltage battery is reduced by the vehicle.

Energy consumption and electrical range

The maximum electrical range is generally reduced by:

- high and low outside temperatures
- operating the climate control system
- switching on consumers

The battery's physical characteristics are such, that leaving the vehicle parked for long periods at low outdoor temperatures without charging it can lead to:

- a reduction in battery performance
- longer charge times

Notes on battery care

Avoid storing or transporting the vehicle at excessively high or low temperatures over a long period.

If you park the vehicle and leave it stationary for long periods:

- check the charge status of the high-voltage battery more often
- connect the vehicle to a power supply.

This prevents self-discharge and damage to the high-voltage battery.

Terms of use

Please note the information on exceptions and limitations in the warranty documentation and in the Service Booklet.

Handling the charging cable and charging cable controls

Do not leave the charging cable controls (▷ page 199) hanging loose from a mains socket. Otherwise, this could result in a poor contact with the mains socket and malfunctions when charging the vehicle.

To ensure that the brackets within the charging cable controls are not subjected to incorrect loads, observe the following:

- never lift or carry the controls by the charging cable connector or the mains plug
- to transport the charging cable, the charging cable can be:
  - charging cable variant 1: wrapped around the controls or secured to the control housing.
  - charging cable variant 2: wrapped around the controls and secured with a strap

Information on charging cable variants can be found under "Charging cable for mains sockets" (▷ page 198).

Heat generated by the charging cable and charging cable connector

Observe the "Important safety notes" (▷ page 196).

During the charging process, the charging cable and charging cable connector may heat up.

The charging cable and the charging cable connector will only heat up within the permissible limiting values, provided that:

- the mains power supply and the charging cable are not damaged
- the instructions for handling the charging cable and controls on the charging cable are observed

If the charging cable or charging cable connector become too hot, have the mains power supply checked.

Protection against overvoltage

! Voltage surges in the mains supply can damage the vehicle. The vehicle is therefore equipped with a device which protects it from voltage surges in the mains supply. This device may be triggered during severe thunderstorms, for example, and may lead to the building's fuse being tripped and an interruption in the power supply. These functions protect the vehicle. After the building fuse is switched on again, the charging process resumes automatically. Following an interruption in the power supply or tripping of the building's fuse, it may take up to 10 minutes for charging to resume automatically.

Reset the building's circuit breaker. Otherwise, the charging process cannot be continued.

General information on the charging process

Observe the "Important safety notes" (▷ page 196).

The vehicle socket is located in the rear bumper on the right below the tail lamp.

The charge socket flap and the vehicle are centrally locked or unlocked simultaneously.

Charging the high-voltage battery via the mains socket

Charging cable for mains sockets

Important safety notes

! Only use the charging cable to charge the high-voltage battery. Do not use the charging cable for other purposes. It may otherwise be damaged.

The vehicle is supplied with a country-specific charging cable, variant 1 or variant 2, for connection to a mains socket. The controls of the two charging cable variants are different. Only use the charging cable supplied with the vehicle or a charging cable approved for the vehicle.

i The charging process can vary depending on the mains power supply. Therefore, always observe the local information.

i For short charge times (charging with 16 A), connect the fast-charging cable to a wallbox or charging station without a pre-installed cable. You can also use the optionally available charging cable with the CE plug.

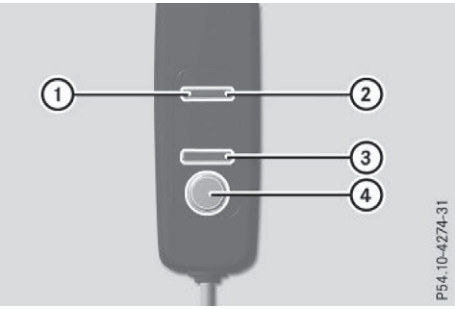
Information about charging from a wallbox can be found at (▷ page 202).

Information about charging at a charging station can be found at (▷ page 203).

Stowing the charging cable

The charging cable can be stowed and held in place in the bag provided in the luggage compartment of the vehicle.

Controls, charging cable variant 1



① On-board voltage indicator
② Protective and indicator system display
③ Charge current indicator
④ Charge current setting button

When displays ① and ② on the charging cable light up, this means the following:

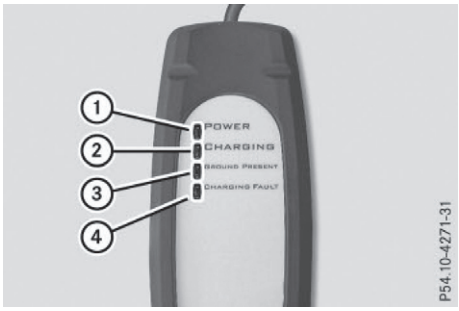
Display ①	
Lights up green	The on-board voltage is connected. The high-voltage battery can be charged.
Flashes red	The power supply from the building is faulty.

Display ②	
Lights up green	There are no faults. The high-voltage battery can be charged.
Lights up red	The protective and indicator system has detected a fault due to an internal malfunction. The high-voltage battery cannot be charged.

If the control detects residual current or a malfunction, the charging process is halted. Once the malfunction has been rectified the charging process is resumed automatically.

Information on problems relating to the charging process (▷ page 203).

Controls on charging cable, variant 2



① POWER on-board voltage indicator
② CHARGING charging process indicator
③ GROUND PRESENT insulation monitoring indicator
④ CHARGING FAULT protective and indicator system display

If displays on the charging cable light up, this means the following:

Indicator lamp	Meaning
① Yellow	Lights up when the on-board voltage is connected. The high-voltage battery can be charged.
② Green	Lights up when the high-voltage battery is charging.
③ Yellow	Lights up when the mains socket is adequately earthed. The mains socket must be properly installed. If there is a defect-free connection to the mains socket, the high-voltage battery will always charge regardless of the earthing.
④ Red	Lights up if the connection to the vehicle is faulty. Remove the charging cable connector from the vehicle socket and then reinsert it into the vehicle socket as far as it will go. Flashes if residual current has been detected or there is an internal fault. The high-voltage battery cannot be charged.

If the control detects residual current or a malfunction, the charging process is halted. Once the malfunction has been rectified the charging process is resumed automatically.

Information on problems relating to the charging process (▷ page 203).

Setting the maximum charge current

⚠ WARNING

If the charge current draw via a mains socket is too high during the charging process, the external mains supply may overheat. There is a risk of fire.

Before charging, check the maximum permissible charge current available at the location. If necessary, contact a qualified specialist company for assistance.

Adjust your vehicle's settings, if necessary.

! If the charge current is too high, the fuse could be tripped or the external mains supply could overheat. Check if the external mains supply is equipped to handle the programmed charge current. If necessary, reduce the programmed charge current or use a different mains socket.

Before charging the high-voltage battery at a power socket, check the maximum permissible charge current for the relevant power socket or the building.

You can set the maximum permissible charge current

- on the charging cable controls (only charging cable variant 1)
- in the menu of the on-board computer (▷ page 307)

The lower value of the two charge current settings – on the charge cable controls and in the on-board computer – determines the maximum charge current. If you cannot set the precise maximum permitted charge current, select the next lowest available value.

Only set the maximum permitted charge current in the on-board computer menu if:

- it is not possible to set the charge current on the charging cable
- the precise maximum permitted charge current can only be set via the on-board computer

Setting the maximum permitted charge current on the charging cable of variant 1 is described below.

▶ **To adjust the setting:** press button ④ repeatedly until the desired setting is selected in display ③.
  - Two LEDs are flashing: minimum setting
  - All LEDs are flashing: maximum setting

If, after the charging process, the charging cable is:

- left connected to the power socket, the currently selected values will be used for the next charging process.
- removed from the power socket, the values will be reset to the minimum setting for the next charging process. You may then need to reset the values of the maximum charge current.

i If the vehicle requires more time than usual when charging, check the maximum charge current settings using the controls on the charging cable or in the on-board computer's menu.

Indicator lamps on the vehicle socket

When the indicator lamps on the vehicle socket light up, this means the following:

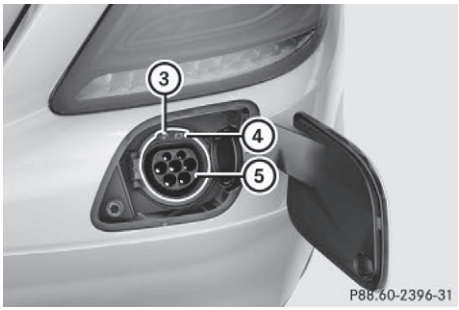
Left indicator lamp 	
Lights up white	The vehicle socket is released. The charging cable can be removed or connected.
Flashes white	The charging cable connector is not correctly inserted and cannot be locked. Remove the charging cable connector from the vehicle socket and then reinsert it into the vehicle socket as far as it will go.

Right indicator lamp	
Flashes orange	The connection between the vehicle and the current source is being established before charging begins.
Flashes green	The high-voltage battery is charging.
Flashes red	A malfunction has occurred while charging. The indicator lamp goes out after approximately 90 seconds.
Lights up orange	Charging of the high-voltage battery has been temporarily interrupted. The indicator lamp goes out after approximately 90 seconds.
Lights up green	The high-voltage battery is fully charged. The indicator lamp goes out after approximately 90 seconds.

If the indicator lamps are off, lock or unlock the vehicle. The indicator lamps will then display the current status of the charging process again.

Connecting the charging cable





- ▶ Shift the transmission to position **P**.
- ▶ Switch the ignition off.
- ▶ Press the charge socket flap in the direction of arrow ①.
  The charge socket flap swings up.
  The left indicator lamp ③ lights up.
- ▶ Open socket cap ②.
- ▶ Insert the mains plug into the mains socket to the stop.
- ▶ Insert the charging cable connector into vehicle socket ⑤ to the stop.
  The left indicator lamp ③ goes out and the vehicle socket is locked.
  The right indicator lamp ④ first flashes orange and then green.
  The high-voltage battery is charging.

If the charging cable is plugged in to the vehicle, you cannot start the engine or move the vehicle.

When the charging process begins, you can view the charging prediction in the Settings menu of the on-board computer. The charging prediction is either the anticipated charge status at the programmed departure time or the time when the high-voltage battery will be fully charged (▷ page 308).

i Depending on the temperature, the cooling fan and battery cooling system may audibly switch on during the charging process.

Removing the charging cable

The high-voltage battery is fully charged when:

- the charge level display reaches 100% in the multifunction display (▷ page 276)
- the right indicator lamp on the vehicle socket lights up green after unlocking or locking the vehicle.

i After the charging cable has been disconnected, the left-hand indicator lamp in the vehicle socket remains lit for some time before going out.

▶ Unlock the vehicle.
The left indicator lamp ③ on vehicle socket ⑤ lights up white and the vehicle socket is unlocked.

▶ Remove the charging cable connector from vehicle socket ⑤ within 30 seconds. Otherwise the vehicle socket will relock.

▶ Close socket cap ②.

▶ Close charge socket flap ①.

▶ Disconnect the mains plug from the mains socket and stow away the charging cable safely in the vehicle (▷ page 199).

Charging the high-voltage battery from the wallbox

General notes

It is recommended that you charge your vehicle using a wallbox or at a charging station.

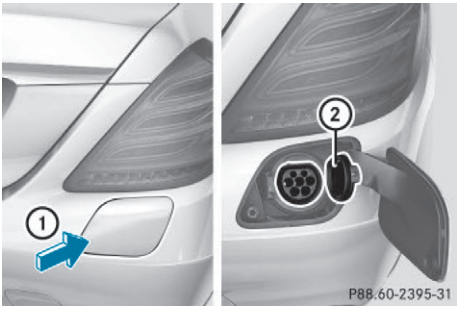
Use the optionally available fast-charging cable when charging your vehicle from a wallbox without a pre-installed cable. The charging cable is stored in a bag in the boot.

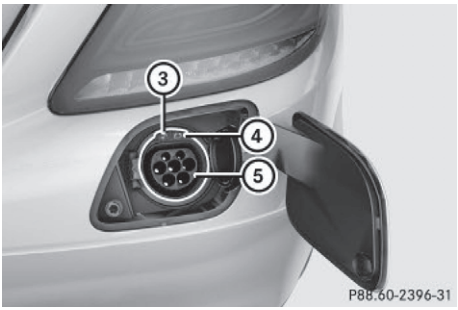
Only use charging cables that have been tested and approved by the manufacturer for charging the high-voltage battery in an electric vehicle.

Make sure that the maximum charging current is not limited in the Settings menu of the on-board computer. You must select the maximum value if charging at a wallbox or a charging station (▷ page 307).

Observe the "Important safety notes" (▷ page 196).

Connecting the charging cable





▶ Shift the transmission to position **P**.

▶ Switch the ignition off.

▶ Press the charge socket flap in the direction of arrow ①.
The charge socket flap swings up.
The left indicator lamp ③ lights up.

▶ Open socket cap ②.

▶ Insert the charging cable connector into vehicle socket ⑤ to the stop.
The left indicator lamp ③ goes out and the vehicle socket is locked.

▶ Wallbox without a pre-installed cable: insert the charging cable connector into the power socket of the wallbox to the stop.

The right indicator lamp ④ first flashes orange and then green after the charging cable has been connected. The high-voltage battery is charging.

If the charging cable is plugged in to the vehicle, you cannot start the engine or move the vehicle.

When the charging process begins, you can view the charging prediction in the Settings menu of the on-board computer. The charging prediction is either the anticipated charge status at the programmed departure time or the time when

the high-voltage battery will be fully charged (▷ page 308).

ⓘ Depending on the temperature, the cooling fan and battery cooling system may audibly switch on during the charging process.

Removing the charging cable

The high-voltage battery is fully charged when:

- the charge level display reaches 100% in the multifunction display (▷ page 276)
- right [ ] indicator lamp lights up green after unlocking or locking the vehicle

ⓘ After the charging cable has been disconnected, the left-hand indicator lamp [ ] in the vehicle socket remains lit for some time before going out.

▶ Unlock the vehicle.
The [ ] left indicator lamp ③ on vehicle socket ⑤ lights up white and the vehicle socket is unlocked.

▶ Remove the charging cable connector from vehicle socket ⑤ within 30 seconds. Otherwise the vehicle socket will relock.

▶ Close socket cap ②.

▶ Close charge socket flap ①.

▶ Wallbox without a pre-installed cable: remove the charging cable connector from the wallbox socket and stow the charging cable safely in the vehicle (▷ page 199).

Charging the high-voltage battery at the charging station

Before beginning the charging process at a charging station without communication capabilities, you must first activate the station, e.g. using an RFID card. Observe the on-site operator instructions for the charging station.

Connecting the vehicle to a charging station is identical to connecting it to a wallbox (▷ page 202).

Problems with the charging process

Problem	Possible causes/consequences and ▶ Solutions
The charge socket flap cannot be opened.	The charge socket flap is not unlocked. ▶ Unlock the vehicle (▷ page 88). If the key battery is discharged: ▶ Unlock the driver's door using the emergency key element (▷ page 90). Or ▶ Unlock the vehicle centrally from the inside (▷ page 94).
	The charge socket flap is unlocked, but the opening mechanism is jammed. ▶ Lock the vehicle and unlock it again. If, after that, the opening mechanism is still jammed: ▶ Consult a qualified specialist workshop.
The charging cable cannot be inserted into the vehicle socket.	The vehicle is locked. ▶ Unlock the vehicle (▷ page 88).

Problem	Possible causes/consequences and ▶ Solutions
	The vehicle socket is locked. ▶ Shift the transmission to position **P**. ▶ Switch the ignition off.
The high-voltage battery is not being charged.	The indicator lamp on the vehicle socket flashes red. A malfunction has occurred during the initialisation of the charging process or during charging. ▶ Remove the charging cable connector from the vehicle socket and re-insert it into the vehicle socket. If the problem persists: ▶ Have the power socket checked or use another power socket. Or ▶ Use a different charging station. Or ▶ Consult a qualified specialist workshop.
	Indicator lamp on the vehicle socket goes out The connection between the vehicle and the external current source cannot be established. ▶ Connect the charging cable again. If the problem persists: ▶ Have the power socket checked or use another power socket. Or ▶ Use a different charging station. Or ▶ Consult a qualified specialist workshop.
The charging cable connector cannot be removed from the vehicle socket.	The charging cable connector has not been unlocked. ▶ Press the button on the key. The indicator lamp on the vehicle socket lights up. The charging cable connector is unlocked. ▶ Remove the charging cable connector from the vehicle socket.
	The charging cable connector is blocked. ▶ Pull the charging cable close enough to the charging cable connector so that the charging cable connector is not under strain. ▶ Lock the vehicle and unlock it again. ▶ Remove the charging cable connector from the vehicle socket. ▶ If the charging cable connector continues to be blocked, consult a qualified specialist workshop.

Parking

Important safety notes

⚠ WARNING

Flammable material such as leaves, grass or twigs may ignite if they come into contact with hot parts of the exhaust system or exhaust gas flow. There is a risk of fire.

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

If you leave children unattended in the vehicle, they may be able to set the vehicle in motion if, for example, they:

- release the parking brake
- shift the automatic transmission out of park position **P**
- start the engine

In addition, they may operate vehicle equipment and become trapped. There is a risk of an accident and injury.

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

! Always secure the vehicle correctly against rolling away. Otherwise, the vehicle or its drivetrain could be damaged.

To ensure that the vehicle is secured against rolling away unintentionally:

- the electric parking brake must be applied
- the transmission must be in position **P** and the key must be removed from the ignition lock
- the front wheels must be turned towards the kerb on steep uphill or downhill gradients
- the empty vehicle must be secured at the front axle with a wheel chock or similar, for example, on uphill or downhill gradients
- a laden vehicle must also be secured at the rear axle with a wheel chock or similar, for example, on uphill or downhill gradients

Switching off the engine

Important safety notes

⚠ WARNING

The automatic transmission switches to neutral position **N** when you switch off the engine. The vehicle may roll away. There is a risk of an accident.

After switching off the engine, always switch to parking position **P**. Prevent the parked vehicle from rolling away by applying the parking brake.

Using the key

- ▶ Apply the electric parking brake.
- ▶ Shift the transmission to position **P**.
- ▶ Turn the key to position **0**in the ignition lock and remove it.
  The immobiliser is activated.
  If you switch the engine off with the transmission in position **R** or **D**, the automatic transmission shifts to **N** automatically.
  If you then open the driver's door or the front-passenger door or remove the key from the ignition, the automatic transmission shifts to **P**.

If you want the automatic transmission to remain in neutral **N**, e.g. when having the vehicle cleaned in an automatic car wash with a towing system:

- ▶ Switch the ignition on.
- ▶ Depress the brake pedal and keep it depressed.
- ▶ Shift to neutral **N**.
- ▶ Release the brake pedal.
- ▶ Release the electric parking brake.
- ▶ Switch off the ignition and leave the key in the ignition lock.

Using the Start/Stop button

- ▶ Apply the electric parking brake.
- ▶ Shift the transmission to position **P**.
- ▶ Press the Start/Stop button (▷ page 175).
  The engine stops and all the indicator lamps in the instrument cluster go out.

When the driver's door is closed, this corresponds to key position **1**. When the driver's door is open, this corresponds to key position **0**: "key removed".

If you switch the engine off with the transmission in position **R** or **D**, the automatic transmission shifts to **N** automatically.

If you then open the driver's or front-passenger door, the automatic transmission shifts to **P**.

If you want the automatic transmission to remain in neutral **N**, e.g. when having the vehicle cleaned in an automatic car wash with a towing system:

- ▶ Switch the ignition on.
- ▶ Depress the brake pedal and keep it depressed.
- ▶ Remove the Start/Stop button from the ignition lock.
- ▶ Insert the key into the ignition lock.
- ▶ Shift to neutral **N**.
- ▶ Release the brake pedal.
- ▶ Release the electric parking brake.
- ▶ Switch off the ignition and leave the key in the ignition lock.

The engine can be switched off while the vehicle is in motion by pressing and holding the Start/Stop button for about three seconds. This function operates independently of the ECO start/stop automatic engine switch-off function.

Electric parking brake

General notes

⚠ WARNING

If you leave children unattended in the vehicle, they may be able to set the vehicle in motion if, for example, they:

- release the parking brake
- shift the automatic transmission out of park position **P**
- start the engine

In addition, they may operate vehicle equipment and become trapped. There is a risk of an accident and injury.

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

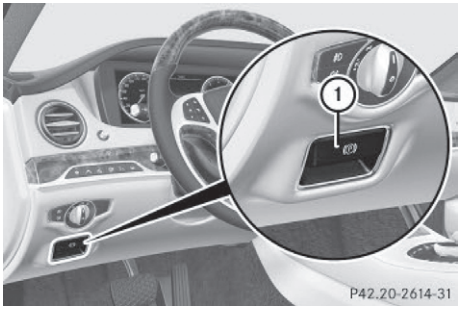
The function of the electric parking brake is dependent on the on-board voltage. If the on-board voltage is low or if there is a malfunction in the system, it may not be possible to apply the released parking brake.

- ▶ If this is the case, only park the vehicle on level ground and secure it to prevent it from rolling away.
- ▶ Shift the automatic transmission to position **P**.

It may not be possible to release an applied parking brake if the on-board voltage is low or if there is a malfunction in the system. Contact a qualified specialist workshop.

The electric parking brake carries out a function check at regular intervals when the engine is switched off. Noises that occur are normal.

Applying or releasing manually



- ▶ **To apply:** push handle ①.
  When the electric parking brake is applied, the red (P) indicator lamp lights up in the instrument cluster.
  The electric parking brake can also be applied when the key is removed.
- ▶ **To release:** pull handle ①.
  The red (P) indicator lamp in the instrument cluster goes out.

The electric parking brake can only be released:

- when the key is in position **1** or **2** in the ignition lock (▷ page 175) or
- if the ignition was switched on using the Start/Stop button

Applying automatically

The electric parking brake is automatically applied when the transmission is in position **P** and:

- the engine is switched off or
- the driver is not wearing a seat belt and the driver's door is opened

To prevent the electric parking brake from being automatically applied, pull handle ①.

The electric parking brake is also applied automatically if:

- DISTRONIC PLUS brings the vehicle to a standstill or
- the HOLD function is keeping the vehicle stationary
- Active Parking Assist is keeping the vehicle stationary

In addition, at least one of the following conditions must be fulfilled:

- the engine is switched off
- the driver is not wearing a seat belt 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

The red Ⓟ indicator lamp in the instrument cluster lights up.

The electric parking brake is not automatically applied if the engine is switched off by the ECO start/stop function.

Releasing automatically

The electric parking brake is released automatically when all of the following conditions are fulfilled:

- the engine is running
- the transmission is in position **D** or **R**
- the seat belt is fastened
- you depress the accelerator pedal

If the automatic transmission is in position **R**, the boot lid must be closed.

If your seat belt is not fastened, the following conditions must be fulfilled to automatically release the electric parking brake:

- the driver's door is closed
- you have shifted out of transmission position **P** or you have previously driven faster than 3 km/h.

Ensure that you do not depress the accelerator pedal unintentionally. Otherwise, the parking brake will be released and the vehicle will start to move.

Emergency braking

The vehicle can also be braked during an emergency by using the electric parking brake.

▶ While driving, push handle ① of the electric parking brake (▷ page 206).
The vehicle is braked as long as you keep handle ① of the electric parking brake pressed. The longer electric parking brake handle ① is depressed, the greater the braking force.

During braking:

- a warning tone sounds
- the `Release parking brake` display message appears
- the red Ⓟ indicator lamp in the instrument cluster flashes

When the vehicle has been braked to a standstill, the electric parking brake is applied.

Parking up the vehicle

If you leave the vehicle parked up for longer than four weeks, the battery may be damaged by exhaustive discharging.

If you leave the vehicle parked up for longer than six weeks, it may suffer from lack of use.

▶ Contact a qualified specialist workshop and seek advice.

Hybrid vehicles and PLUG-IN HYBRID vehicles: observe the important safety notes for the high-voltage battery (▷ page 415).

Driving tips

General driving tips

⚠ WARNING

If you switch off the ignition while driving, safety-relevant functions are only available with limitations, or not at all. This could affect, for example, the power steering and the brake boosting effect. You will require considerably more effort to steer and brake. There is a risk of an accident.

Do not switch off the ignition while driving.

ECO display



The ECO display provides feedback on how economical your driving characteristics are. The ECO display assists you in achieving the most economical driving style for the selected settings and prevailing conditions. Consumption can be significantly influenced by your driving style.

The ECO display consists of three bars:

- Accel.
- Constant
- Coasting

The percentage count is the mean value of the three bar values. The three bars and the mean value begin at the value of 50%. A higher percentage count indicates a more economical driving style.

The ECO display does not indicate the actual fuel consumption. A fixed percentage count in the ECO display does not indicate a fixed consumption.

In addition to driving style, the consumption is affected by many other factors, such as:

- load
- tyre pressure
- cold start
- choice of route
- the use of electrical consumers

These factors are not included in the ECO display.

The evaluation of your driving style takes the following three categories into consideration:

- Accel. (evaluation of all acceleration processes)
  - the bar fills up: moderate acceleration, especially at higher speeds
  - the bar empties: sporty acceleration
- Constant (assessment of driving behaviour at all times)
  - the bar fills up: constant speed and avoidance of unnecessary acceleration and deceleration
  - the bar empties: fluctuations in speed
- Coasting (assessment of all deceleration processes)
  - the bar fills up: anticipatory driving, keeping your distance and early release of the accelerator. The vehicle can coast without use of the brakes.
  - the bar empties: frequent braking

An economical driving style involves driving at a moderate engine speed.

To achieve a higher value in the categories Accel. and Constant,

- observe the gearshift recommendation
- drive the vehicle in drive program **E**

On long journeys at a constant speed, e.g. on the motorway, only the bar for Constant will change.

The ECO display summarises the driving characteristics from the start of the journey to its completion. Therefore, there are dynamic changes in the bars at the start of a journey. During a prolonged driving time, these changes are smaller. For more dynamic changes, perform a manual reset.

Further information on the ECO display (▷ page 297).

Braking

Important safety notes

⚠ WARNING

If you shift down on a slippery road surface in an attempt to increase the engine's braking effect, the drive wheels could lose their grip. This increases the risk of skidding and having an accident.

Do not shift down for additional engine braking on a slippery road surface.

Downhill gradients

Change into a lower gear in good time on long and steep downhill gradients. Take particular note of this when driving a laden vehicle and when towing a trailer.

This also applies if you have activated cruise control, SPEEDTRONIC or DISTRONIC PLUS.

This will use the braking effect of the engine, so less braking will be required to maintain vehicle speed. This relieves the load on the brake system and prevents the brakes from overheating and wearing too quickly.

Heavy and light loads

⚠ WARNING

The braking system can overheat if you leave your foot on the brake pedal while driving. This increases the braking distance and could even cause the braking system to fail. There is a risk of an accident.

Never use the brake pedal as a footrest. Do not simultaneously depress both the brake pedal and the accelerator pedal while driving.

! Depressing the brake pedal constantly results in excessive and premature wear to the brake pads.

If heavy demands are made on the brakes, do not park the vehicle immediately. Drive on for a short while. This allows the airflow to cool the brakes more quickly.

If the brakes have been used only moderately, you should occasionally test their effectiveness. To do this, brake more firmly from a higher speed while paying attention to the traffic conditions. This improves the grip of the brakes.

Wet road surfaces

If you have driven for a long time in heavy rain without braking, there may be a delayed reaction from the brakes when braking for the first time. This may also occur after a car wash or after driving through deep water.

You will have to depress the brake pedal more firmly. Maintain a greater distance to the vehicle in front.

After driving on a wet road or having the vehicle washed, brake firmly while paying attention to the traffic conditions. This will warm up the brake discs, thereby drying them more quickly and protecting them against corrosion.

Limited braking performance on salt-treated roads

If you drive on salt-treated roads, a layer of salt may form on the brake discs and pads. This can increase the braking distance considerably.

- In order to prevent any salt build-up, apply the brakes 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.
- Maintain a much greater distance to the vehicle in front.

New brake discs and brake pads/linings

Brake pads/linings and discs that are either new or have been replaced only achieve optimum braking effect after several hundred kilometres of driving. Compensate for the reduced braking effect by applying greater force to the brake pedal.

For safety reasons, Mercedes-Benz recommends only fitting the following brake discs and brake pads/linings:

- brake discs that have been approved by Mercedes-Benz
- brake pads/linings that have been approved by Mercedes-Benz or that are of an equivalent standard of quality

Other brake discs or brake pads/linings can compromise the safety of your vehicle.

Always replace all brake discs and brake pads/linings on an axle at the same time. Always fit new brake pads/linings when replacing brake discs.

The vehicle is equipped with lightweight brake discs to which the wheel assembly with rim and threaded connection is matched.

The use of brake discs other than those approved by Mercedes-Benz may alter track width and is subject to approval, if applicable.

Shock-type loads when handling the brake discs, such as when changing wheels, can lead to a reduction in comfort when driving with lightweight brake discs. Avoid shock-type loads on the lightweight brake discs, particularly on the brake plate.

AMG high-performance and ceramic brakes

The high-performance brake system is only available on Mercedes-AMG vehicles.

The AMG brake systems are designed for heavy loads. This may lead to noise when braking. This is dependent on:

- speed
- braking force
- environmental conditions, such as temperature and humidity

The wear of individual brake system components such as the brake pads/linings or brake discs depends on individual driving style and operating conditions.

For this reason, it is impossible to state a mileage (service life) that will be valid under all circumstances. An aggressive driving style will lead to high wear. You can obtain more information on this from a qualified specialist workshop.

Brake pads/linings and discs that are either new or have been replaced only achieve optimum braking effect after several hundred kilometres of driving. Compensate for the reduced braking effect by applying greater force to the brake pedal. Always be aware of this and adapt your driving and braking accordingly during the running-in period.

Excessive heavy braking results in correspondingly high brake wear. Observe the brake wear warning lamp in the instrument cluster and note any brake status messages in the multifunction display. If you regularly drive at high speeds, it is particularly important to have the brake system checked and maintained regularly.

Driving on wet roads

Aquaplaning

If water has accumulated to a certain depth on the road surface, there is a danger of aquaplaning occurring, even if:

- you are driving at low speeds
- the tyres have adequate tread depth

For this reason, drive in the following manner in the event of heavy rain or in conditions in which aquaplaning can occur:

- lower your speed
- avoid tyre ruts
- avoid sudden steering movements
- brake carefully

Driving on flooded roads

! Bear in mind that vehicles travelling in front or in the opposite direction create waves. This may cause the maximum permissible water depth to be exceeded.

These notes must be observed under all circumstances. You could otherwise damage the engine, the electronics or the transmission.

If you must drive on stretches of road on which water has collected, please bear in mind that:

- in the case of standing water, the water level must be no higher than the lower edge of the vehicle body
- you should drive no faster than walking pace

Winter driving

⚠ **WARNING**

If you shift down on a slippery road surface in an attempt to increase the engine's braking effect, the drive wheels could lose their grip. This increases the risk of skidding and having an accident.

Do not shift down for additional engine braking on a slippery road surface.

⚠ **DANGER**

If the exhaust pipe is blocked or adequate ventilation is not possible, poisonous gases such as carbon monoxide (CO) may enter the vehicle. This is the case, e.g. if the vehicle becomes trapped in snow. There is a risk of fatal injury.

If you leave the engine or the auxiliary heating running, make sure the exhaust pipe and area around the vehicle are clear of snow. To ensure an adequate supply of fresh air, open a window on the side of the vehicle that is not facing into the wind.

Have your vehicle winterproofed at a qualified specialist workshop at the onset of winter.

You should drive particularly carefully on slippery road surfaces. Avoid sudden acceleration, steering and braking manoeuvres. Do not use cruise control or DISTRONIC PLUS.

If the vehicle threatens to skid or cannot be stopped when moving at low speed:

- ▶ Shift the transmission to position **N**.
- ▶ Try to bring the vehicle under control by using corrective steering.

The outside temperature indicator is not designed to serve as an ice-warning device and is therefore unsuitable for that purpose. Changes in the outside temperature are displayed after a short delay.

Indicated temperatures just above the freezing point do not guarantee that the road surface is free of ice. The road may still be icy, especially in wooded areas or on bridges.

You should pay special attention to road conditions when temperatures are around freezing point.

Further information on driving with snow chains (▷ page 430).

Further information on driving with summer tyres (▷ page 429).

Observe the notes in the "Winter operation" section (▷ page 429).

Driving systems

Mercedes-Benz Intelligent Drive

Mercedes-Benz Intelligent Drive stands for innovative driver assistance and safety systems which enhance comfort and support the driver in critical situations. With these intelligent co-ordinated systems Mercedes-Benz has set a milestone on the path towards autonomous driving.

Mercedes-Benz Intelligent Drive embraces all elements of active and passive safety in one well thought-out system – for the safety of the vehicle occupants and that of other road users.

Further information on driving safety systems (▷ page 74).

Cruise control

General notes

Cruise control maintains a constant road speed for you. It brakes automatically in order to avoid exceeding the set speed. Change into a lower gear in good time on long and steep downhill gradients. Take particular note of this when driving a laden vehicle and when towing a trailer. By doing so, you will make use of the braking effect of the engine. This relieves the load on the brake system and prevents the brakes from overheating and wearing too quickly.

You can use cruise control if you want to drive at a steady speed for a prolonged period of time. You can store any road speed above 30 km/h.

Important safety notes

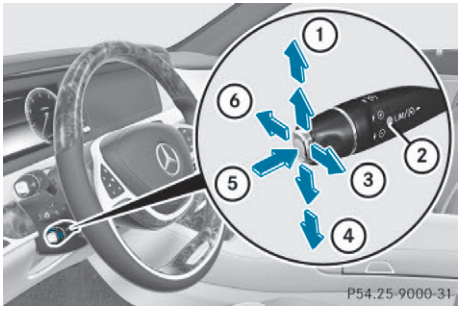
If you fail to adapt your driving style, cruise control can neither reduce the risk of an accident nor override the laws of physics. Cruise control cannot take into account road, weather or traffic conditions. Cruise control is only an aid. You are responsible for the distance to the vehicle in front, for vehicle speed, for braking in good time and for staying in lane.

Do not use cruise control:

- in road and traffic conditions which do not allow you to maintain a constant speed, e.g. in heavy traffic or on winding roads
- on smooth or slippery roads. Braking or accelerating can cause the drive wheels to lose traction and the vehicle could then skid
- when there is poor visibility, e.g. due to fog, heavy rain or snow

If there is a change of drivers, advise the new driver of the speed stored.

Cruise control lever



① To store the current speed or a higher speed
② LIM indicator lamp
③ To store the current speed or calling up the last stored speed
④ To store the current speed or a lower speed
⑤ To switch between cruise control and variable SPEEDTRONIC
⑥ To deactivate cruise control

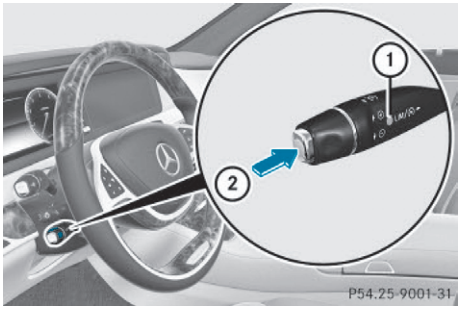
You can operate cruise control and variable SPEEDTRONIC with the cruise control lever.

The LIM indicator lamp on the cruise control lever indicates which system you have selected:

- **LIM indicator lamp off:** cruise control is selected.
- **LIM indicator lamp on:** variable SPEEDTRONIC is selected.

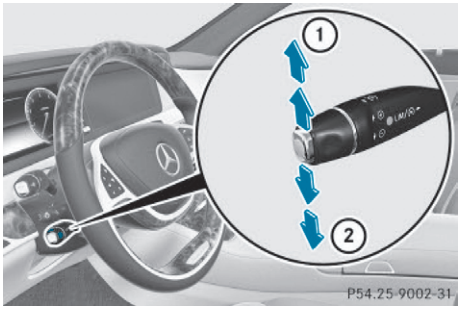
When you activate cruise control, the stored speed is shown in the multifunction display for five seconds. In the speedometer, the segments between the stored speed and the maximum speed light up.

Selecting cruise control



▶ Check whether LIM indicator lamp ① is off.
If it is off, cruise control is already selected.
If it is not, press the cruise control lever in the direction of arrow ②.
LIM indicator lamp ① in the cruise control lever goes out. Cruise control is selected.

Storing and maintaining the current speed



You can store the current speed if you are driving faster than 30 km/h.

▶ Accelerate the vehicle to the desired speed.
▶ Briefly press the cruise control lever up ① or down ②.
▶ Remove your foot from the accelerator pedal. Cruise control is activated. The vehicle automatically maintains the speed.

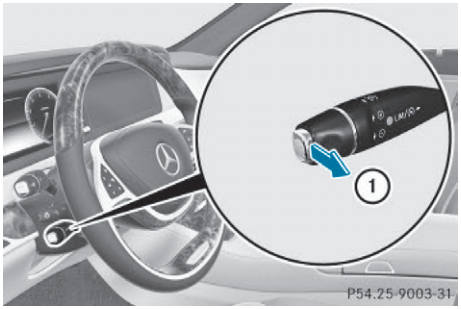
ⓘ Cruise control may be unable to maintain the stored speed on uphill gradients. The stored speed is resumed when the gradient evens out. Cruise control maintains the stored speed on downhill gradients by automatically braking the vehicle.

Calling up the last speed stored

⚠ WARNING

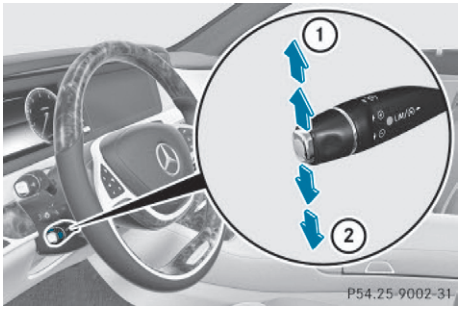
If you call up the stored speed and it is lower than the current speed, the vehicle decelerates. If you do not know the stored speed, the vehicle could decelerate unexpectedly. There is a risk of an accident.

Pay attention to the road and traffic conditions before calling up the stored speed. If you do not know the stored speed, store the desired speed again.



- ▶ Briefly pull the cruise control lever towards you ①.
- ▶ Remove your foot from the accelerator pedal. The first time cruise control is activated, it stores the current speed or regulates the speed of the vehicle to the previously stored speed.

Setting a speed

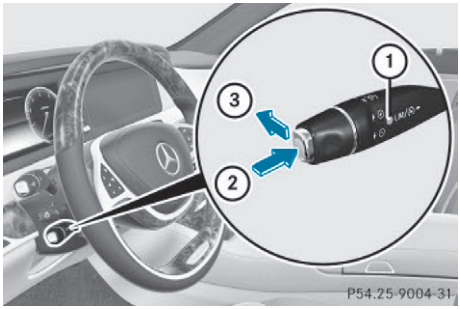


Bear in mind that it may take a brief moment until the vehicle has accelerated or braked to the set speed.

- ▶ Press the cruise control lever up ① for a higher speed or down ② for a lower speed.
- ▶ Keep the cruise control lever pressed until the desired speed is reached.
- ▶ Release the cruise control lever. The new speed is stored.
- ▶ **To adjust the set speed in 1 km/h increments:** briefly press the cruise control lever up ① or down ② to the pressure point. The last stored speed increases or decreases in 1 km/h increments.
- ▶ **To adjust the set speed in 10 km/h increments:** briefly press the cruise control lever up ① or down ② beyond the pressure point. The last stored speed increases or decreases in 10 km/h increments.

ⓘ Cruise control is not deactivated if you depress the accelerator pedal. If you accelerate to overtake, cruise control adjusts the vehicle's speed to the last speed stored after you have finished overtaking.

Deactivating cruise control



There are several ways to deactivate cruise control:

- ▶ Briefly press the cruise control lever forwards ③.

or

- ▶ Brake.

or

- ▶ Briefly move the cruise control lever in the direction of arrow ②. Variable SPEEDTRONIC is selected. LIM indicator lamp ① in the cruise control lever is lit.

Cruise control is automatically deactivated if:

- you apply the electric parking brake
- you are driving at less than 30 km/h

- ESP® intervenes or you deactivate ESP®
- you shift the transmission to position **N** while driving

If cruise control is deactivated, you will hear a warning tone. You will see the Cruise control off message in the multifunction display for approximately five seconds.

ⓘ The last speed stored is cleared when you switch off the engine.

SPEEDTRONIC

General notes

SPEEDTRONIC brakes automatically so that you do not exceed the set speed. 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 braking effect of the engine. This relieves the load on the brake system and prevents the brakes from overheating and wearing too quickly.

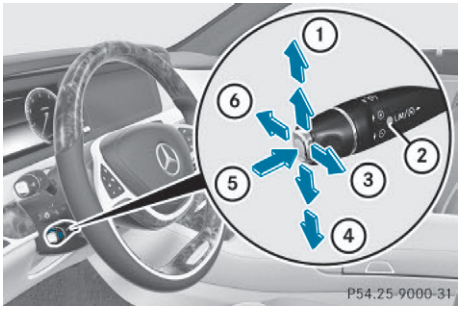
Important safety notes

If you fail to adapt your driving style, SPEEDTRONIC can neither reduce the risk of an accident nor override the laws of physics. SPEEDTRONIC cannot take into account road, weather or traffic conditions. SPEEDTRONIC is only an aid. You are responsible for the distance to the vehicle in front, for vehicle speed, for braking in good time and for staying in lane.

If there is a change of drivers, advise the new driver of the speed stored.

Variable SPEEDTRONIC

General notes



① To store the current speed or a higher speed
② LIM indicator lamp
③ To store the current speed and call up the last stored speed
④ To store the current speed or a lower speed
⑤ To switch between cruise control or DISTRONIC PLUS and variable SPEEDTRONIC
⑥ To deactivate variable SPEEDTRONIC

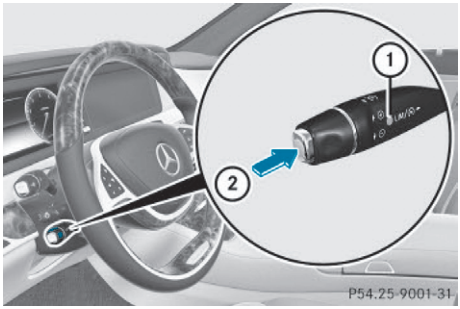
With the cruise control lever, you can operate cruise control or DISTRONIC PLUS and variable SPEEDTRONIC.

The LIM indicator lamp on the cruise control lever indicates which system you have selected:

- **LIM indicator lamp off:** cruise control or DISTRONIC PLUS is selected.
- **LIM indicator lamp on:** variable SPEEDTRONIC is selected.

You can use the cruise control lever to limit the speed to any speed above 30 km/h while the engine is running.

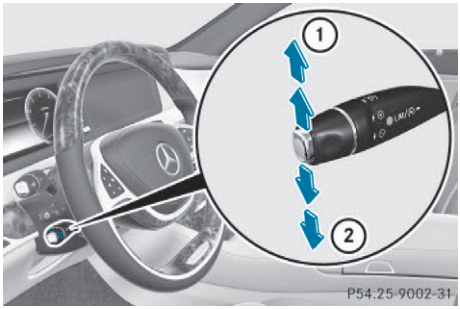
Selecting variable SPEEDTRONIC



If there is a change of drivers, advise the new driver of the limit speed stored.

▶ Check whether LIM indicator lamp ① is on.
If it is on, variable SPEEDTRONIC is already selected.
If it is not, press the cruise control lever in the direction of arrow ②.
LIM indicator lamp ① in the cruise control lever is on. Variable SPEEDTRONIC is selected.

Storing the current speed



You can use the cruise control lever to limit the speed to any speed above 30 km/h while the engine is running.

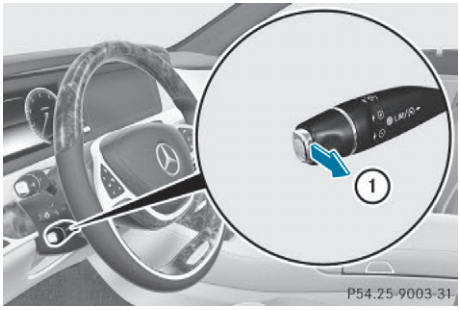
▶ Briefly press the cruise control lever up ① or down ②.
The current speed is stored and shown in the multifunction display.
The speedometer dial lights up between the start of the scale and the stored speed.

Storing the current speed or calling up the last stored speed

⚠ WARNING

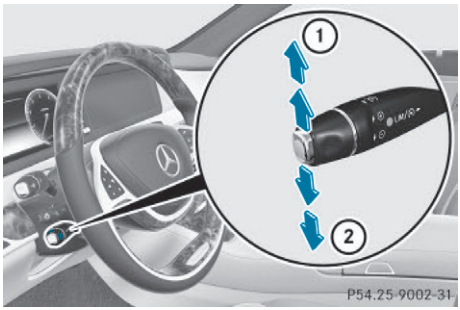
If you call up the stored speed and it is lower than the current speed, the vehicle decelerates. If you do not know the stored speed, the vehicle could decelerate unexpectedly. There is a risk of an accident.

Pay attention to the road and traffic conditions before calling up the stored speed. If you do not know the stored speed, store the desired speed again.



▶ Briefly pull the cruise control lever towards you ①.

Setting a speed



▶ **To adjust the set speed in 10 km/h increments:** briefly press the cruise control lever up ① beyond the pressure point for a higher speed, or down ② for a lower speed.

or

▶ Keep the cruise control lever pressed beyond the pressure point until the desired speed is set. Press the cruise control lever up ① for a higher speed or down ② for a lower speed.

▶ **To adjust the set speed in 1 km/h increments:** briefly press the cruise control lever up ① to the pressure point for a higher speed or down ② for a lower speed.

or

▶ Keep the cruise control lever pressed to the pressure point until the desired speed is set. Press the cruise control lever up ① for a higher speed or down ② for a lower speed.

Switching SPEEDTRONIC to passive

If you depress the accelerator pedal beyond the pressure point (kickdown), SPEEDTRONIC is switched to passive mode. The SPEEDTRONIC

suspended message appears in the multifunction display.

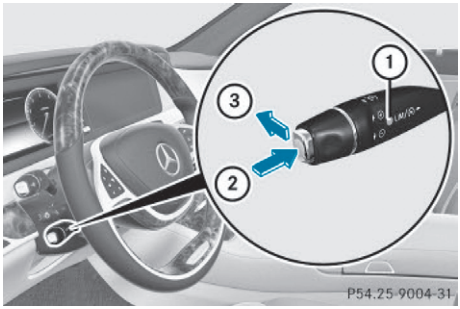
You can then exceed the stored speed. SPEEDTRONIC is activated again if you:

- drive slower than the stored speed without kickdown
- set a new speed or
- call up the last speed stored again

The SPEEDTRONIC suspended message in the multifunction display disappears.

Deactivating variable SPEEDTRONIC

It is not possible to deactivate variable SPEEDTRONIC by braking.



There are several ways to deactivate variable SPEEDTRONIC:

▶ Briefly press the cruise control lever forwards ③.

or

▶ Briefly press the cruise control lever in the direction of arrow ②.
LIM indicator lamp ① in the cruise control lever goes out. Variable SPEEDTRONIC is deactivated.

Cruise control or DISTRONIC PLUS is selected.

ⓘ The last speed stored is cleared when you switch off the engine.

Permanent SPEEDTRONIC

You can use the on-board computer to limit the speed permanently to a value between 160 km/h(e.g. for driving on winter tyres) and the maximum speed (▷ page 311).

Shortly before the stored speed is reached, it appears in the multifunction display.

Permanent SPEEDTRONIC remains active, even if variable SPEEDTRONIC is deactivated.

You cannot exceed the stored limit speed, even if you depress the accelerator pedal beyond the pressure point (kickdown).

DISTRONIC PLUS

General notes

DISTRONIC PLUS regulates the speed and automatically helps you maintain the distance to the vehicle detected in front. Vehicles are detected with the aid of the radar sensor system. DISTRONIC PLUS brakes automatically so that the set speed is not exceeded.

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 braking effect of the engine. This relieves the load on the brake system and prevents the brakes from overheating and wearing too quickly.

If DISTRONIC PLUS detects that there is a risk of a collision, you will be warned visually and acoustically. Without your intervention, DISTRONIC PLUS cannot prevent a collision. An intermittent warning tone will then sound and the distance warning lamp will light up in the instrument cluster. Brake immediately to increase the distance to the vehicle driving in front, or take evasive action, provided it is safe to do so.

DISTRONIC PLUS operates in the range between 0 km/h and 200 km/h.

Do not use DISTRONIC PLUS while driving on roads with steep gradients.

Important safety notes

⚠ **WARNING**

DISTRONIC PLUS does not react to:

- people or animals
- stationary obstacles on the road, e.g. stopped or parked vehicles
- oncoming and crossing traffic

As a result, DISTRONIC PLUS may neither give warnings nor intervene in such situations. There is a risk of an accident.

Always pay careful attention to the traffic situation and be ready to brake.

⚠ WARNING

DISTRONIC PLUS cannot always clearly recognise other road users and complex traffic conditions.

In such cases, DISTRONIC PLUS may:

- give an unnecessary warning and then brake the vehicle
- neither give a warning nor intervene
- accelerate or brake unexpectedly

There is a risk of an accident.

Continue to drive carefully and be prepared to brake, particularly if DISTRONIC PLUS warns you.

⚠ WARNING

DISTRONIC PLUS brakes your vehicle with up to 50% of the maximum possible deceleration. If this deceleration is not sufficient, DISTRONIC PLUS alerts you with a visual and acoustic warning. There is a risk of an accident.

Apply the brakes yourself in these situations and try to take evasive action.

! When DISTRONIC PLUS or the HOLD function is activated, the vehicle brakes automatically in certain situations.

To avoid damage to the vehicle, deactivate DISTRONIC PLUS and the HOLD function in the following or similar situations:

- when towing away
- in a car wash

If you fail to adapt your driving style, DISTRONIC PLUS can neither reduce the risk of an accident nor override the laws of physics. DISTRONIC PLUS cannot take road and weather conditions or traffic conditions into account. DISTRONIC PLUS is only an aid. You are responsible for the distance to the vehicle in front, for vehicle speed, for braking in good time and for staying in lane.

Do not use DISTRONIC PLUS:

- in road and traffic conditions which do not allow you to maintain a constant speed, e.g. in heavy traffic or on winding roads
- on smooth or slippery roads. Braking or accelerating can cause the drive wheels to lose traction and the vehicle could then skid
- when there is poor visibility, e.g. due to fog, heavy rain or snow

DISTRONIC PLUS may not detect narrow vehicles driving in front, e.g. motorcycles, or vehicles driving on a different line.

In particular, the detection of obstacles can be impaired in the case of:

- dirt on the sensors or obscured sensors
- snow or heavy rain
- interference by other radar sources
- the possibility of strong radar reflections, for example, in multi-storey car parks

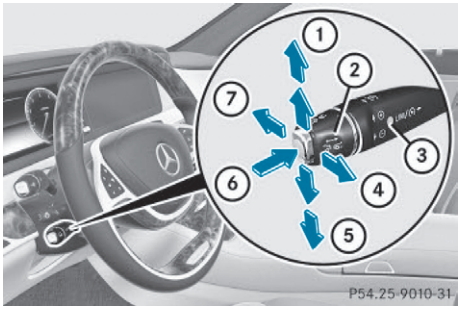
If DISTRONIC PLUS no longer detects a vehicle in front, it may unexpectedly accelerate to the speed stored.

This speed can:

- be too high for a filter lane or a slip road
- be so high in the right lane that you pass vehicles driving on the left (in countries where they drive on the right)
- be so high in the left lane that you pass vehicles driving on the right (in countries where they drive on the left)

If there is a change of drivers, advise the new driver of the speed stored.

Cruise control lever



① To activate or increase speed
② To set the specified minimum distance
③ LIM indicator lamp

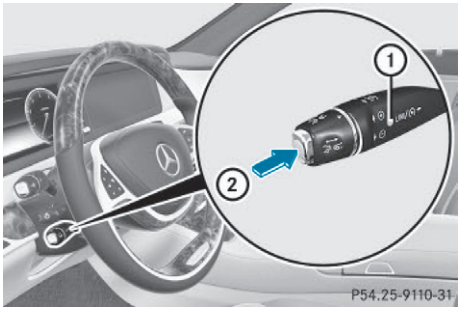
④ To activate at the current speed/last stored speed
⑤ To activate or reduce speed
⑥ To switch between DISTRONIC PLUS and variable SPEEDTRONIC
⑦ To deactivate DISTRONIC PLUS

You can operate DISTRONIC PLUS and variable SPEEDTRONIC with the cruise control lever.

LIM indicator lamp ③ on the cruise control lever indicates which function you have selected:

- **LIM indicator lamp ③ off:** DISTRONIC PLUS is selected.
- **LIM indicator lamp ③ on:** variable SPEEDTRONIC is selected.

Selecting DISTRONIC PLUS



▶ Check whether LIM indicator lamp ① is off.
If it is off, DISTRONIC PLUS is already selected.
If it is not, press the cruise control lever in the direction of arrow ②.
LIM indicator lamp ① in the cruise control lever goes out. DISTRONIC PLUS is selected.

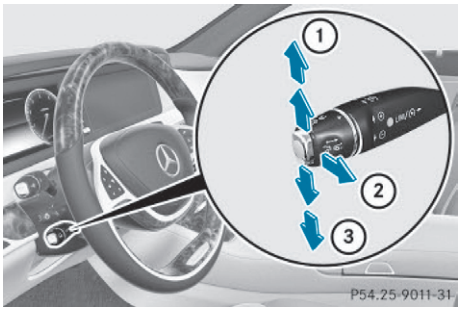
Activating DISTRONIC PLUS

Activation conditions

To activate DISTRONIC PLUS, the following conditions must be fulfilled:

- the engine must be running. It may take up to two minutes of driving before DISTRONIC PLUS is ready for use.
- the electric parking brake must be released.
- ESP® must be switched on, but not intervening.
- Active Parking Assist must not be activated.
- the transmission must be in position **D**.
- the driver's door must be closed when you shift from **P** to **D** or your seat belt must be fastened.
- the front-passenger door and the rear doors must be closed.
- the DISTRONIC PLUS function must be selected with the cruise control lever (▷ page 218).

Activating



▶ Briefly pull the cruise control lever towards you ②, up ① or down ③.
DISTRONIC PLUS is activated.
▶ Press the cruise control lever repeatedly up ① or down ③ until the desired speed is set.
▶ Remove your foot from the accelerator pedal.
Your vehicle adapts its speed to that of the vehicle in front, but only up to the desired stored speed.

ⓘ If you do not fully release the accelerator pedal, the DISTRONIC PLUS suspended message appears in the multifunction display. The set distance to a slower-moving vehicle in front will then not be maintained. The position of the accelerator pedal will determine the speed.

You can also activate DISTRONIC PLUS when stationary. The lowest speed that can be set is 30 km/h.

▶ Briefly pull the cruise control lever towards you ② or press it up ① or down ③.
DISTRONIC PLUS is activated.

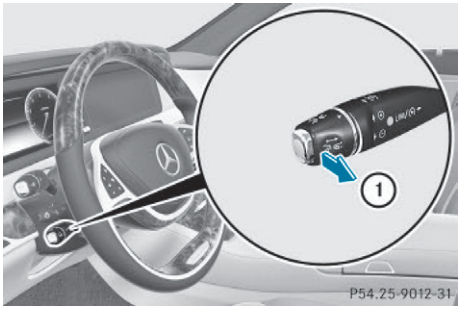
Activating at the current speed/last stored speed

⚠ **WARNING**

If you call up a stored speed and this is different from the current speed, the vehicle

accelerates or brakes. If you do not know what the stored speed is, the vehicle may accelerate or brake unexpectedly. There is a risk of an accident.

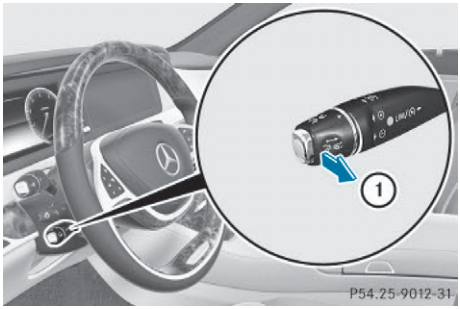
Take the traffic conditions into account before calling up the stored speed. If you do not know what the stored speed is, store the desired speed again.



- ▶ Briefly pull the cruise control lever towards you ①.
- ▶ Remove your foot from the accelerator pedal. DISTRONIC PLUS is activated. The first time it is activated, the current speed is stored. Otherwise, it sets the vehicle cruise speed to the previously stored value.

Driving with DISTRONIC PLUS

Pulling away and driving



- ▶ **If you want to pull away with DISTRONIC PLUS:** remove your foot from the brake pedal.
- ▶ Briefly pull the cruise control lever towards you ①.

or

- ▶ Accelerate briefly.
  Your vehicle pulls away and adapts its speed to that of the vehicle in front. If no vehicle is detected in front, your vehicle accelerates to the set speed.

The vehicle can also pull away when it is facing an unidentified obstacle or is driving on a different line from another vehicle. The vehicle then brakes automatically. Be ready to brake at all times.

If there is no vehicle in front, DISTRONIC PLUS operates in the same way as cruise control.

If DISTRONIC PLUS detects that the vehicle in front has slowed down, it brakes your vehicle. In this way, the distance you have selected is maintained.

If DISTRONIC PLUS detects a faster-moving vehicle in front, it increases the driving speed. However, the vehicle is only accelerated up to the speed you have stored.

Selecting the drive program

All vehicles (except AMG vehicles): DISTRONIC PLUS supports a sporty driving style when you select the **S** drive program (▷ page 186). Acceleration behind the vehicle in front or to the set speed is then noticeably more dynamic. If you have selected the **E** drive program, the vehicle accelerates more gently. This setting is recommended in stop-start traffic.

AMG vehicles: DISTRONIC Plus supports a sporty driving style when you select the **S** or **M** drive program (▷ page 186). Acceleration behind the vehicle in front or to the set speed is then noticeably more dynamic. When you select the **C** drive program, the vehicle accelerates more gently. This setting is recommended in stop-start traffic.

Changing lanes

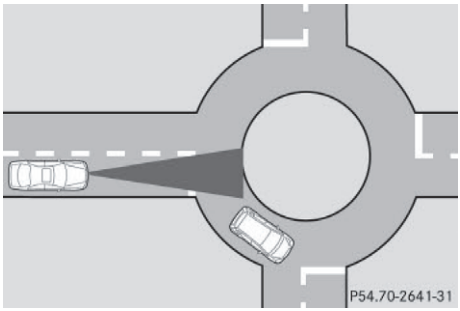
If you change to the overtaking lane, DISTRONIC PLUS supports you if:

- you are driving faster than 70 km/h
- you switch on the respective turn signal
- DISTRONIC PLUS does not detect a danger of collision

If these conditions are met, your vehicle is accelerated. Acceleration will be interrupted if changing lanes takes too long or if the distance between your vehicle and the vehicle in front becomes too small.

ⓘ When you change lanes, DISTRONIC PLUS monitors the right lane (on left-hand-drive vehicles) or the left lane (on right-hand-drive vehicles).

Road and traffic conditions



ⓘ The following function is not operational in all countries.

DISTRONIC PLUS uses additional information from your navigation system so that it can adapt to certain traffic situations. This is the case if, while following a vehicle, DISTRONIC PLUS is active and you:

- approach or drive around a roundabout
- approach a T-junction
- turn off at a motorway exit

Even if the vehicle in front leaves the detection range, DISTRONIC PLUS temporarily maintains the current driving speed and does not accelerate. This is based on the current map data in the navigation system.

Afterwards, the vehicle accelerates back to the speed you set.

The system takes into account the fact that overtaking on the right is not permitted on motorways or high-speed major roads at speeds above 80 km/h. The driving speed is adjusted to the speed of the queue of vehicles in the adjacent lane to the left.

ⓘ Prevention of overtaking on the right applies to countries where traffic drives on the right. In countries where traffic drives on the left, overtaking on the left is prevented accordingly.

Stopping

⚠ WARNING

When leaving the vehicle, even if it is braked only by DISTRONIC PLUS, it could roll away if:

- there is a malfunction in the system or in the voltage supply.
- DISTRONIC PLUS has been deactivated with the cruise control lever, e.g. by a vehicle occupant or from outside the vehicle.
- the electrical system in the engine compartment, the battery or the fuses have been tampered with.
- the battery is disconnected.
- the accelerator pedal has been depressed, e.g. by a vehicle occupant.

There is a risk of an accident.

If you wish to exit the vehicle, always turn off DISTRONIC PLUS and secure the vehicle against rolling away.

Further information on deactivating DISTRONIC PLUS (▷ page 222).

If DISTRONIC PLUS detects that the vehicle in front is stopping, it brakes your vehicle until it is stationary.

Once your vehicle is stationary, it remains stationary and you do not need to depress the brake.

After a short period, the vehicle is secured by the electric parking brake, thus relieving the service brake.

Depending on the specified minimum distance, your vehicle will come to a standstill at a sufficient distance behind the vehicle in front. The specified minimum distance is set using the control on the cruise control lever.

When DISTRONIC PLUS is activated, the transmission is shifted automatically to position **P** if:

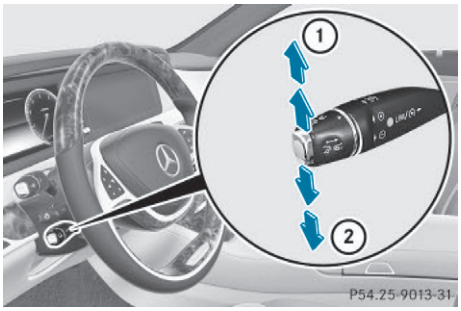
- the driver's seat belt is not fastened and the driver's door is open
- the engine is switched off, unless it is automatically switched off by the ECO start/stop function

The electric parking brake secures the vehicle automatically if DISTRONIC PLUS is activated when the vehicle is stationary and:

- a system fault occurs
- the power supply is insufficient

If a malfunction in the electric parking brake occurs, then the transmission may also be shifted into position **P** automatically.

Setting a speed



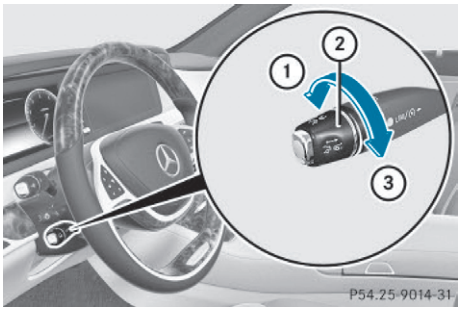
- ▶ Press the cruise control lever up ① for a higher speed or down ② for a lower speed.
- ▶ Keep the cruise control lever pressed until the desired speed is reached.
- ▶ Release the cruise control lever.
  The new speed is stored. DISTRONIC PLUS is activated and adjusts the vehicle's speed to the new speed stored.
- ▶ **To adjust the set speed in 1 km/h increments:** briefly press the cruise control lever up ① or down ② to the pressure point.
  The last stored speed increases or decreases in 1 km/h increments.
- ▶ **To adjust the set speed in 10 km/h increments:** briefly press the cruise control lever up ① or down ② beyond the pressure point.
  The last stored speed increases or decreases in 10 km/h increments.

ⓘ If you accelerate to overtake, DISTRONIC PLUS adjusts the vehicle's speed to the last speed stored after you have finished overtaking.

Setting the specified minimum distance

You can set the specified minimum distance for DISTRONIC PLUS by varying the time span between one and two seconds. With this function, you can set the minimum distance that DISTRONIC PLUS maintains to the vehicle in front, dependent on vehicle speed. You can see this distance in the multifunction display (▷ page 221).

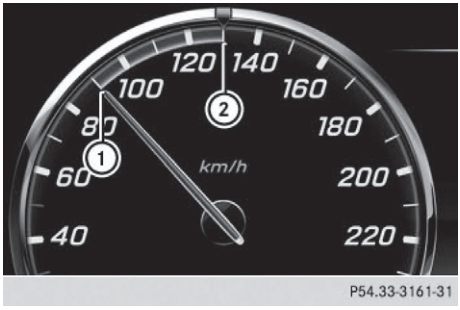
ⓘ Make sure that you maintain the minimum distance to the vehicle in front as required by law. Adjust the distance to the vehicle in front if necessary.



- ▶ **To increase:** turn control ② in direction ③. DISTRONIC PLUS then maintains a greater distance between your vehicle and the vehicle in front.
- ▶ **To decrease:** turn control ② in direction ①. DISTRONIC PLUS then maintains a shorter distance between your vehicle and the vehicle in front.

DISTRONIC PLUS displays in the instrument cluster

Displays in the speedometer



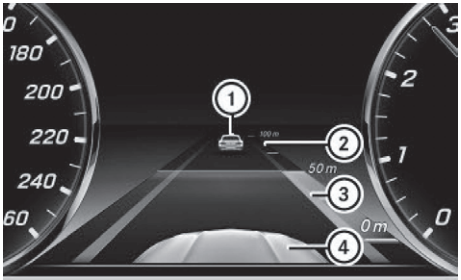
When you switch on DISTRONIC PLUS, triangle ② shows the stored speed.

If DISTRONIC PLUS detects a vehicle in front, segments between the speed of the vehicle in front ① and stored speed ② light up. The seg-

ments likewise light up if a vehicle in front is detected in the fast lane.

ⓘ For design reasons, the speed displayed in the speedometer may differ slightly from the speed set for DISTRONIC PLUS.

Display when DISTRONIC PLUS is deactivated



① Vehicle in front, if detected
② Distance indicator: current distance to the vehicle in front
③ Specified minimum distance to the vehicle in front; adjustable
④ Own vehicle

In the Assistance menu (▷ page 305) of the on-board computer, you can select the assistance graphics display.

▶ Select the Assistance graphic function using the on-board computer (▷ page 304).

Display when DISTRONIC PLUS is activated



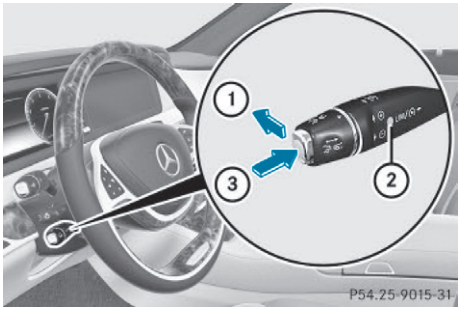
① DISTRONIC PLUS active (text only appears when the cruise control lever is actuated)
② Vehicle in front, if detected
③ Specified minimum distance to the vehicle in front; adjustable
④ Own vehicle

In the Assistance menu (▷ page 305) of the on-board computer, you can select the assistance graphics display.

▶ Select the Assistance graphic function using the on-board computer (▷ page 304).

You will see the stored speed for approximately five seconds when you activate DISTRONIC PLUS.

Deactivating DISTRONIC PLUS



There are several ways to deactivate DISTRONIC PLUS:

▶ Briefly press the cruise control lever forwards ①.

or

▶ Brake, unless the vehicle is stationary.

or

▶ Briefly press the cruise control lever in the direction of arrow ③.
Variable SPEEDTRONIC is selected. LIM indicator lamp ② in the cruise control lever lights up.

When you deactivate DISTRONIC PLUS, you will see the DISTRONIC PLUS off message in the multifunction display for approximately five seconds.

ⓘ The last speed stored remains stored until you switch off the engine.

ⓘ DISTRONIC PLUS is not deactivated if you depress the accelerator pedal.

DISTRONIC PLUS is automatically deactivated if:

- you apply the electric parking brake or if the vehicle is automatically secured with the electric parking brake
- ESP® intervenes or you deactivate ESP®
- the transmission is in the **P**, **R** or **N** position
- you pull the cruise control lever towards you in order to pull away and the front-passenger door or one of the rear doors is open
- the vehicle has skidded
- you activate Active Parking Assist

If DISTRONIC PLUS is deactivated, you will hear a warning tone. You will see the DISTRONIC PLUS off message in the multifunction display for approximately five seconds.

Tips for driving with DISTRONIC PLUS

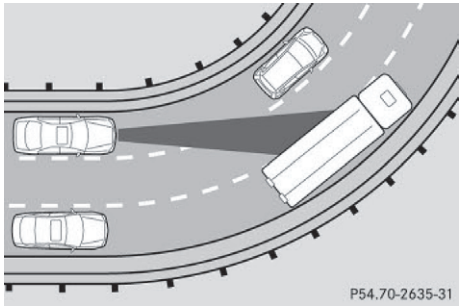
General notes

Pay particular attention in the following traffic situations:

- Cornering, entering and exiting a bend
- Vehicles which are not driving in the middle of their lane
- Other vehicles changing lane
- Narrow vehicles
- Obstructions and stationary vehicles
- Crossing vehicles

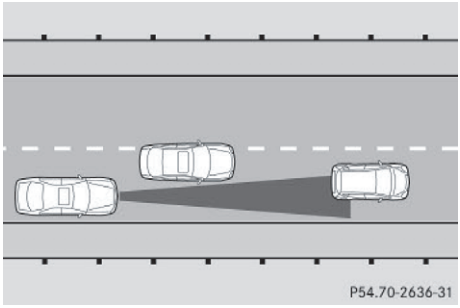
In such situations, brake if necessary. DISTRONIC PLUS is then deactivated.

Cornering, entering and exiting a bend



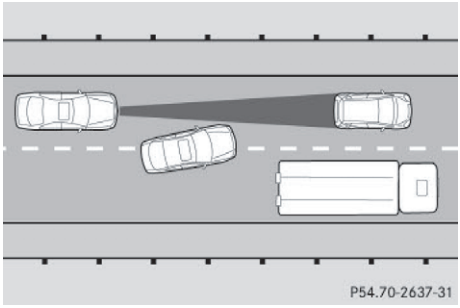
The ability of DISTRONIC PLUS to detect vehicles when cornering is limited. Your vehicle may brake unexpectedly or late.

Vehicles which are not driving in the middle of their lane



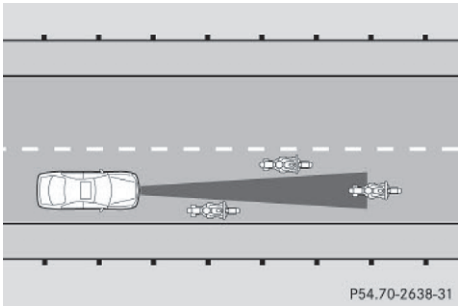
DISTRONIC PLUS may not detect vehicles which are not driving in the middle of their lane. The distance to the vehicle in front will be too short.

Other vehicles changing lane



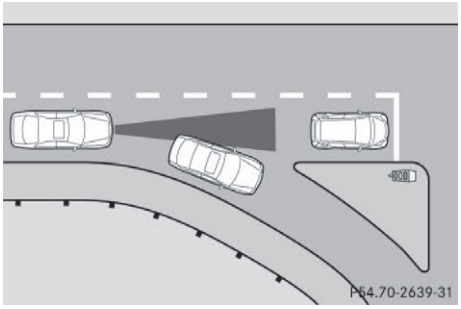
DISTRONIC PLUS has not detected the vehicle cutting in yet. The distance to this vehicle will be too short.

Narrow vehicles



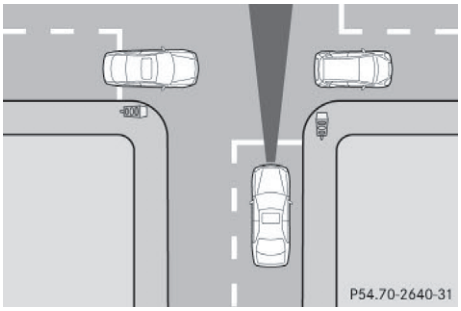
DISTRONIC PLUS has not yet detected the vehicle in front on the edge of the carriageway, because of its narrow width. The distance to the vehicle in front will be too short.

Obstructions and stationary vehicles



DISTRONIC PLUS does not brake for obstacles or stationary vehicles. If, for example, the detected vehicle turns a corner and reveals an obstacle or stationary vehicle, DISTRONIC PLUS will not brake for these.

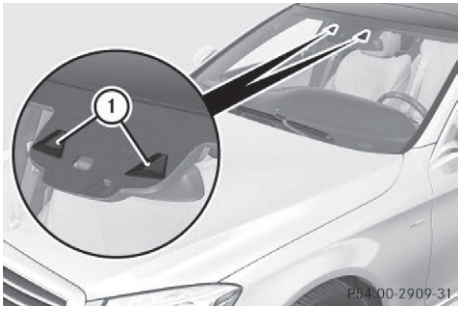
Crossing vehicles



DISTRONIC PLUS may mistakenly detect vehicles that are crossing your lane. Activating DISTRONIC PLUS at traffic lights with crossing traffic, for example, could cause your vehicle to pull away unintentionally.

DISTRONIC PLUS with Steering Assist and Stop&Go Pilot

General notes



DISTRONIC PLUS with Steering Assist and Stop&Go Pilot aids you in keeping the vehicle in the centre of the driving lane by means of moderate steering interventions in a speed range from 0 - 200 km/h.

It monitors the area in front of your vehicle by means of multifunction camera ①, at the top of the windscreen.

In a speed range from 0 - 60 km/h, Stop&Go Pilot focuses on the vehicle in front, taking into account lane markings, e.g. when following vehicles in a traffic jam.

At speeds of more than 60 km/h, Steering Assist focuses on detected lane markings (left and right), only focusing on the vehicle in front if detected lane markings are not present.

If these conditions are not present, Steering Assist and Stop&Go Pilot cannot provide assistance.

DISTRONIC PLUS must be active in order for the function to be available.

Important safety notes

If you fail to adapt your driving style, DISTRONIC PLUS with Steering Assist and Stop&Go Pilot can neither reduce the risk of an accident nor override the laws of physics. It cannot take into account road, weather or traffic conditions. DISTRONIC PLUS with Steering Assist and Stop&Go Pilot is only an aid. You are responsible for the distance to the vehicle in front, for vehicle speed, for braking in good time and for staying in lane.

DISTRONIC PLUS with Steering Assist and Stop&Go Pilot does not detect road and traffic conditions and does not detect all road users. If you are following a vehicle which is driving

towards the edge of the carriageway, your vehicle could come into contact with the kerb or other road boundaries. Be particularly aware of other road users, e.g. cyclists, that are directly next to your vehicle.

Obstacles such as traffic pylons on the lane or projecting out into the lane are not detected.

An inappropriate steering intervention, e.g. after intentionally driving over a lane marking, can be corrected at any time if you steer slightly in the opposite direction.

DISTRONIC PLUS with Steering Assist and Stop&Go Pilot cannot continuously keep your vehicle in lane. In some cases, the steering intervention is not sufficient to bring the vehicle back to the lane. In such cases, you must steer the vehicle yourself to ensure that it does not leave the lane.

The support offered by the system may be impaired if:

- there is poor visibility, e.g. due to insufficient illumination of the road, or due to snow, rain, fog or spray
- there is glare, e.g. from oncoming traffic, the sun or reflection from other vehicles (e.g. if the road surface is wet)
- the windscreen is dirty, misted up, damaged or covered, for instance by a sticker, in the vicinity of the camera
- no or several, unclear lane markings are present for one lane, e.g. in a construction area
- the lane markings are worn away, dark or covered up, e.g. by dirt or snow
- the distance to the vehicle in front is too small and the lane markings thus cannot be detected
- the lane markings change quickly, e.g. lanes branch off, cross one another or merge
- the road is narrow and winding
- there are highly variable shade conditions on the road

The system is switched to passive and no longer assists you by performing steering interventions if:

- you actively change lane
- you switch on the turn signal
- you take your hands off the steering wheel or do not steer for a prolonged period of time

ⓘ After you have finished changing lanes, Steering Assist and Stop&Go Pilot are automatically active again.

Steering Assist and Stop&Go Pilot cannot provide assistance:

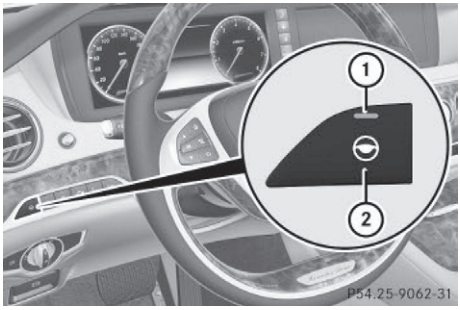
- on very sharp corners
- when towing a trailer
- if a loss of tyre pressure or a defective tyre has been detected and displayed

Pay attention also to the important safety notes for DISTRONIC PLUS (▷ page 216).

The steering interventions are carried out with a limited steering moment. The system requires the driver to keep his hands on the steering wheel and to steer himself.

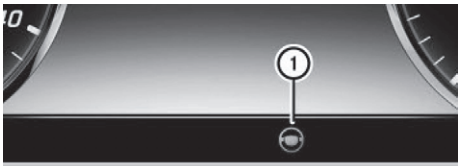
If you do not steer yourself or if you take your hands off the steering wheel for a prolonged period of time, the system will first alert you with a visual warning. A steering wheel symbol appears in the multifunction display. If you have still not started to steer and have not taken hold of the steering wheel after five seconds at the latest, a warning tone also sounds to remind you to take control of the vehicle. Steering Assist and Stop&Go Pilot switch to passive mode. DISTRONIC PLUS remains active.

Activating Steering Assist and Stop&Go Pilot



▶ Press button ②.
Indicator lamp ① lights up. The DTR+: steering assist. on message appears in the multifunction display. Steering Assist and Stop&Go Pilot are activated.

Information in the multifunction display



If Steering Assist and Stop&Go Pilot are activated but not ready for a steering intervention, steering wheel symbol ① appears in grey. If the system provides you with support by means of steering interventions, symbol ① is shown in green.

Deactivating Steering Assist and Stop&Go Pilot

▶ Press button ②.
Indicator lamp ① goes out. The DTR+: steering assist. off message appears in the multifunction display. Steering Assist and Stop&Go Pilot are deactivated.

When DISTRONIC PLUS is deactivated or not available, Steering Assist and Stop&Go Pilot are deactivated automatically.

HOLD function

General notes

The HOLD function can assist the driver in the following situations:

- when pulling away, especially on steep slopes
- when manoeuvring on steep slopes
- when waiting in traffic

The vehicle is kept stationary without the driver having to depress the brake pedal.

The braking effect is cancelled and the HOLD function is deactivated when you depress the accelerator pedal to pull away.

Important safety notes

⚠ WARNING

When leaving the vehicle, it can still roll away despite being braked by the HOLD function if:

- there is a malfunction in the system or in the voltage supply
- the HOLD function is deactivated by the accelerator pedal being depressed, e.g. by a vehicle occupant
- the electrical system in the engine compartment, the battery or the fuses are tampered with
- the battery is disconnected

There is a risk of an accident.

Before leaving the vehicle, always deactivate the HOLD function and secure the vehicle from rolling away.

Further information on deactivating the HOLD function (▷ page 227).

! When DISTRONIC PLUS or the HOLD function is activated, the vehicle brakes automatically in certain situations.

To avoid damage to the vehicle, deactivate DISTRONIC PLUS and the HOLD function in the following or similar situations:

- when towing away
- in a car wash

Activation conditions

You can activate the HOLD function if all of the following conditions are fulfilled:

- the vehicle is stationary
- the engine is running or if it has been automatically switched off by the ECO start/stop function
- the driver's door is closed or your seat belt is fastened
- the electric parking brake is released
- the transmission is in position **D**, **R** or **N**
- DISTRONIC PLUS is deactivated

Activating the HOLD function



- ▶ Make sure that the activation conditions are met.
- ▶ Depress the brake pedal.
- ▶ Quickly depress the brake pedal further until ① appears in the multifunction display. The HOLD function is activated. You can release the brake pedal.

ⓘ If depressing the brake pedal the first time does not activate the HOLD function, wait briefly and then try again.

Deactivating the HOLD function

The HOLD function is deactivated automatically if:

- you depress the accelerator and the transmission is in position **D** or **R**.
- you shift the transmission to position **P.**
- you depress the brake pedal again with a certain amount of pressure until HOLD disappears from the multifunction display.
- you secure the vehicle using the electric parking brake.
- you activate DISTRONIC PLUS.

ⓘ After a short period, the vehicle is secured by the electric parking brake, thus relieving the service brake. The HOLD function is then deactivated.

When the HOLD function is activated, the transmission is shifted automatically to position **P** if:

- the driver's seat belt is not fastened and the driver's door is open
- the engine is switched off, unless it is automatically switched off by the ECO start/stop function

The electric parking brake secures the vehicle automatically if the HOLD function is activated, the vehicle is stationary and:

- a system fault occurs
- the power supply is insufficient

If a malfunction in the electric parking brake occurs, then the transmission may also be shifted into position **P** automatically.

MAGIC BODY CONTROL

General notes

MAGIC BODY CONTROL consists of Active Body Control (ABC), ROAD SURFACE SCAN as well as automatic vehicle stabilisation in the event of a crosswind.

Your vehicle automatically adjusts its ride height to improve driving safety and reduce fuel consumption. The suspension mode is adjusted according to your selection (sports or comfort), the road surface conditions and the vehicle load. A multifunction camera detects bumps in the road surface before the vehicle drives over them. This reduces chassis movements.

Important safety notes

⚠ **WARNING**

People's limbs may become trapped if they are located underneath the vehicle or between the vehicle body and the tyres when the vehicle is lowering. There is a danger of injury.

When lowering the vehicle, make sure no one is underneath the vehicle or in the immediate vicinity of the wheel arches.

Crosswind Assist

The crosswind stabilisation operates by changing wheel loads through adjusting the ABC spring struts. It reduces impairments in handling when driving in a straight line and assists during countersteering.

Crosswind Assist is active in the speed range between 80 km/h and 210 km/h when driving straight ahead or cornering gently.

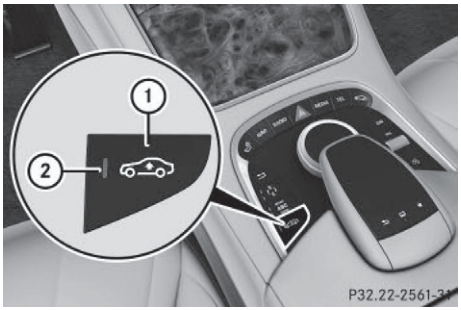
Active Body Control ABC

Vehicle level

All vehicles except AMG vehicles: depending on the vehicle level that has been set, the vehicle automatically adjusts its height dependent on the current speed. The vehicle is lowered by up to 15 mm as the speed increases. As the speed is reduced, the vehicle is raised to the set vehicle height.

AMG vehicles: depending on the vehicle level that has been selected, the vehicle automatically adjusts its height dependent on the current speed. The vehicle is lowered by up to 10 mm below the normal level as the speed increases. As the speed is reduced, the vehicle is raised to the set vehicle height.

Select the "Normal" setting for normal road conditions and "Raised" for driving with snow chains or on particularly poor road conditions.



Setting the vehicle level

- ▶ **To raise the vehicle:** press button ①. Indicator lamp ② lights up.
- ▶ **To lower the vehicle:** press button ① again. Indicator lamp ② goes out.

Your selection remains stored even if you remove the key from the ignition lock.

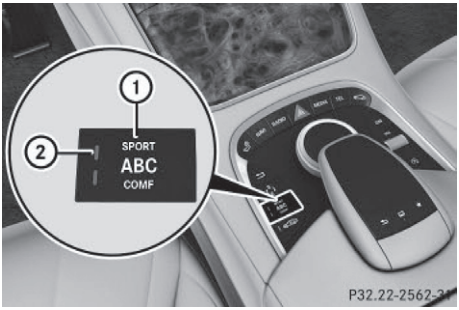
Suspension settings

The electronically controlled ABC suspension system detects the vehicle level and the vehicle load and adjusts the setting accordingly. You can also choose between a particularly sporty or a comfortable tuning.

The ABC suspension system is tuned individually to each wheel and depends on:

- your driving style, e.g. sporty
- the road surface condition, e.g. bumps
- your individual selection, i.e. sports or comfort
- the vehicle load
- the force of the side wind

Your selection remains stored even if you remove the key from the ignition lock.



The firmer setting of the suspension tuning in SPORT mode ensures even better contact with the road. The steering response behaviour is sporty. Select this mode when employing a sporty driving style on flat roads, e.g. on motorways.

Selecting the sports suspension setting

- ▶ **When indicator lamp ② is off:** press button ① repeatedly until only indicator lamp ② is on.
  The sports suspension setting is selected.
  All vehicles except AMG vehicles: the Active Body Control SPORT message appears in the multifunction display.
  AMG vehicles: the AMG Ride Control SPORT message appears in the multifunction display.

In COMFORT mode, the driving characteristics of your vehicle are especially comfortable. The steering response behaviour is balanced. Select this mode if you prefer a comfortable driving style.

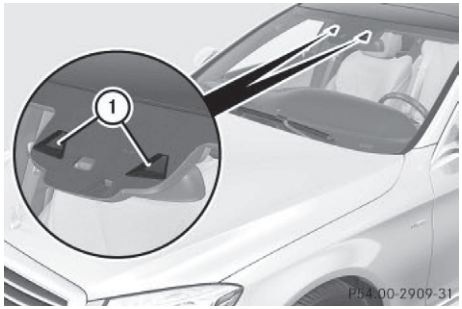
Selecting the comfortable suspension setting

- ▶ **When indicator lamp ② is off:** press button ① repeatedly until only indicator lamp ② is on.
  The comfortable suspension setting is selected.
  All vehicles except AMG vehicles: the Active Body Control COMFORT message appears in the multifunction display.

AMG vehicles: the AMG Ride Control COMFORT message appears in the multifunction display.

ROAD SURFACE SCAN

This function is not available in all countries.



The ROAD SURFACE SCAN function monitors the road in front of the vehicle using a multifunction camera ① at the top of the windscreen. This function is automatically active if you select comfort suspension tuning. The system is operational at speeds of up to 130 km/h.

This function allows bumps in the road surface to be detected before the vehicle drives over them. The spring struts are then actuated, with the result that chassis movements are significantly reduced when driving over bumps.

The system is deactivated when you select the raised vehicle level or sports mode.

The system may be impaired or may not function if:

- the road surface is insufficiently lit
- there is poor visibility, e.g. snow, rain, fog or spray
- there is glare, e.g. from the sun or from oncoming traffic
- the windscreen is dirty, misted up or covered, for instance by a sticker, in the vicinity of the camera
- the road surface has no texture or is reflective, e.g. in the case of newly laid asphalt, concrete slabs or puddles
- the distance to the vehicle in front is too short
- sections of the route have a very small radius of curvature
- you accelerate hard or brake sharply

AIRMATIC

General notes

AIRMATIC is an air suspension system with variable damping for improved driving comfort. All-round level control ensures the best possible suspension and constant ground clearance, even with a laden vehicle. When you drive fast, the vehicle is lowered automatically to improve driving safety and to reduce fuel consumption. There is also the option to manually adjust the vehicle level. AIRMATIC consists of level setting, level control and the Adaptive Damping System ADS PLUS.

Important safety notes

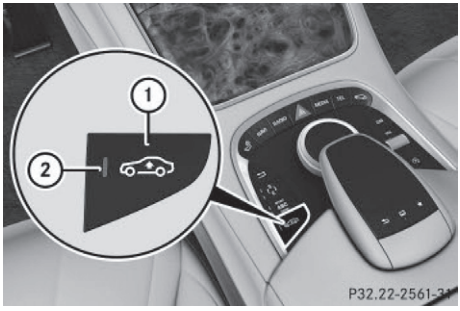
⚠ WARNING

People's limbs may become trapped if they are located underneath the vehicle or between the vehicle body and the tyres when the vehicle is lowering. There is a danger of injury.

When lowering the vehicle, make sure no one is underneath the vehicle or in the immediate vicinity of the wheel arches.

Vehicle level

Setting the raised vehicle level



It is possible to choose between the "Normal" and "Raised" vehicle levels. Select the "Normal" setting for normal road surfaces and "Raised" for driving with snow chains or on particularly poor road surfaces. Your selection remains stored even if you remove the key from the ignition lock.

▶ Start the engine.

If indicator lamp ② is not lit:

▶ Press button ①.
Indicator lamp ② lights up. The vehicle is raised by 30 mm compared to the normal level.
The Vehicle rising message appears in the multifunction display.

ⓘ The message disappears after ten seconds, irrespective of the level reached. If necessary, the vehicle is raised further.

The "Raised level" setting is cancelled if you:

- drive at a speed above approximately 120 km/h
- drive for approximately three minutes at a speed above 80 km/h

Setting the normal vehicle level

▶ Start the engine.

If indicator lamp ② is lit:

▶ Press button ①.
Indicator lamp ② goes out. The vehicle is adjusted to normal level.

Suspension settings

General notes

The Adaptive Damping System ADS PLUS automatically controls the calibration of the dampers.

The damping is tuned individually to each wheel and depends on:

- your driving style, e.g. sporty
- the road surface condition, e.g. bumps
- your individual selection, i.e. sport or comfort

Your selection remains stored even if you remove the key from the ignition lock.

ⓘ You can choose between the sporty and comfortable mode. One of the two modes is always active.

Sport mode

The firmer setting of the suspension tuning in SPORT mode ensures the best possible contact with the road. Select this mode when employing a sporty driving style, e.g. on winding country roads.

All vehicles except Mercedes-AMG vehicles:

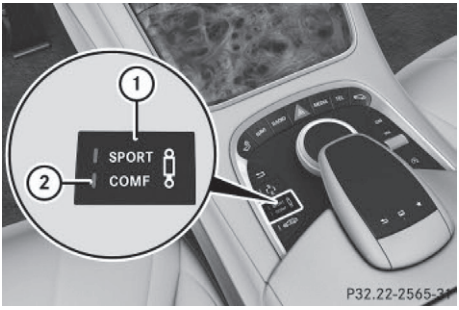
▶ **If indicator lamp ② is not lit:** press button ①.
Indicator lamp ② lights up. You have selected "Sports mode". The vehicle is lowered by 10 mm compared to the normal level.
The AIRMATIC SPORT message appears in the multifunction display.

Mercedes-AMG vehicles:

▶ **If indicator lamp ② is not lit:** press button ①.
Indicator lamp ② lights up. You have selected "Sports mode". The vehicle is lowered compared to the normal level. The lowering process takes place at different speeds depending on the country.
The AMG Ride Control SPORT message appears in the multifunction display.

All vehicles except Mercedes-AMG vehicles: if the driving speed is higher than 120 km/h, the vehicle is automatically lowered by another 10 mm in sport mode.

Comfort mode



In comfort mode, the driving characteristics of your vehicle are more comfortable. Therefore, select this mode if you prefer a more comfortable driving style. Select Comfort mode also when driving fast on straight roads, e.g. on straight stretches of motorway.

▶ **If indicator lamp ② is not lit:** press button ①.
Indicator lamp ② lights up. You have selected "Comfort mode".
All vehicles except Mercedes-AMG vehicles: the AIRMATIC COMFORT message appears in the multifunction display.

Mercedes-AMG vehicles: the AMG Ride Control COMFORT message appears in the multifunction display.

If the driving speed is higher than 120 km/h, the vehicle is automatically lowered by 10 mm compared to the normal level in comfort mode.

All vehicles except Mercedes-AMG vehicles: if the driving speed is higher than 160 km/h, the vehicle is automatically lowered in comfort mode by 20 mm compared to the normal level.

Load compensation

The vehicle can compensate differences in the vehicle level by raising or lowering the axles.

4MATIC (permanent all-wheel drive)

4MATIC ensures that all four wheels are permanently driven. Together with ESP®, it improves the traction of your vehicle whenever a drive wheel spins due to insufficient grip.

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 for the distance to the vehicle in front, for vehicle speed, for braking in good time and for staying in lane.

If a drive wheel spins due to insufficient grip:

- when pulling away, only depress the accelerator pedal as far as is necessary.
- accelerate less when driving.

! Never tow the vehicle with one axle raised. This may damage the transfer case. Damage of this sort is not covered by the Mercedes-Benz implied warranty. All wheels must remain either on the ground or be fully raised. Observe the instructions for towing the vehicle with all wheels in full contact with the ground.

i In wintry driving conditions, the maximum effect of 4MATIC can only be achieved if you use winter tyres (M+S tyres), with snow chains if necessary.

PARKTRONIC

Important safety notes

PARKTRONIC is an electronic parking aid with ultrasonic sensors. It monitors the area around your vehicle using six sensors in the front bumper and six sensors in the rear bumper. PARKTRONIC indicates visually and audibly the distance between your vehicle and an object.

PARKTRONIC is only an aid. It is not a substitute for your attention to the immediate surroundings. The responsibility for safe manoeuvring and parking remains with you. Make sure that there are no persons, animals or objects in range while manoeuvring and parking.

! When parking, pay particular attention to objects above or below the sensors, such as flower pots or trailer drawbars. PARKTRONIC does not detect such objects when they are in the immediate vicinity of the vehicle. You could damage the vehicle or the objects.

The sensors may not detect snow and objects which absorb ultrasonic sources.

Ultrasonic sources, such as an automatic car wash, a lorry's compressed-air brakes or a pneumatic drill, could cause PARKTRONIC to malfunction.

PARKTRONIC may not function correctly on uneven terrain.

! Fold in the ball coupling if the trailer tow hitch is not required. PARKTRONIC measures the minimum detection range to an obstacle from the bumper, not the ball coupling.

PARKTRONIC is activated automatically when you:

- switch on the ignition
- shift the transmission to position **D**, **R** or **N**

PARKTRONIC is deactivated at speeds above 18 km/h. It is reactivated at lower speeds.

PARKTRONIC is deactivated for the rear area when you establish an electrical connection between your vehicle and a trailer.

Range of the sensors

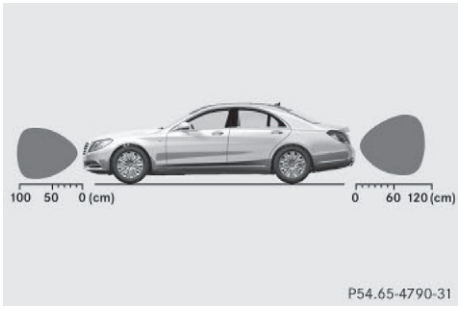
General notes

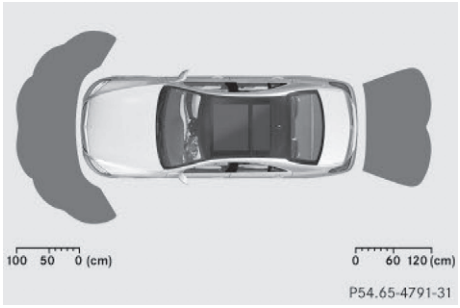
PARKTRONIC does not take into account obstacles located:

- below the detection range, e.g. persons, animals or objects
- above the detection range, e.g. overhanging loads, tail sections or loading ramps of goods vehicles



① Example: sensors in the front bumper, left-hand side





The sensors must be free of dirt, ice and slush. Otherwise, they may not function correctly. Clean the sensors regularly, taking care not to scratch or damage them (▷ page 402).

Front sensors

Centre	Approx. 100 cm
Corners	Approx. 60 cm

Rear sensors

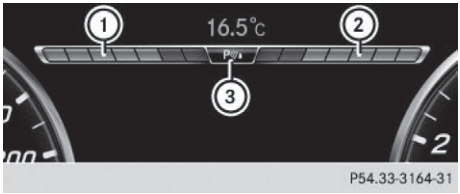
Centre	Approx. 120 cm
Corners	Approx. 80 cm

Minimum distance

Centre	Approx. 20 cm
Corners	Approx. 15 cm

If there is an obstacle within this range, the relevant warning displays light up and a warning tone sounds. If the distance falls below the minimum, the distance may no longer be shown.

Warning displays



① Segments on the left-hand side of the vehicle
② Segments on the right-hand side of the vehicle
③ Segments showing operational readiness

The warning displays show the distance between the sensors and the obstacle. The warning display for the front area is in the instrument cluster. The warning display for the rear area is located on the roof lining in the rear compartment.

The warning display for each side of the vehicle is divided into five yellow and two red segments. PARKTRONIC is operational if operational readiness indicator ③ lights up.

The selected transmission position and the direction in which the vehicle is rolling determine which warning display is active when the engine is running.

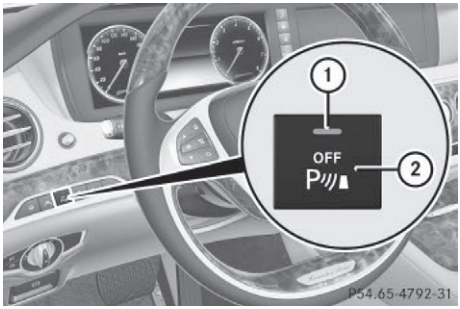
Transmission position	Warning display
D	Front area activated
R, **N** or the vehicle is rolling backwards	Rear and front areas activated
P	No areas activated

One or more segments light up as the vehicle approaches an obstacle, depending on the vehicle's distance from the obstacle.

From the:

- sixth segment onwards, you will hear an intermittent warning tone for approximately two seconds.
- seventh segment onwards, you will hear a warning tone for approximately two seconds. This indicates that you have now reached the minimum distance.

Deactivating/activating PARKTRONIC



① Indicator lamp
② Deactivating/activating PARKTRONIC

If indicator lamp ① lights up, PARKTRONIC is deactivated. Active Parking Assist is then also deactivated.

PARKTRONIC is automatically activated when you turn the key to position **2** in the ignition lock.

Problems with PARKTRONIC

Problem	Possible causes/consequences and ▶ Solutions
Only the red segments in the PARKTRONIC warning displays are lit. You also hear a warning tone for approximately two seconds. PARKTRONIC is then deactivated and the indicator lamp on the PARKTRONIC button lights up.	PARKTRONIC has malfunctioned and has switched off. ▶ If problems persist, have PARKTRONIC checked at a qualified specialist workshop.
Only the red segments in the PARKTRONIC warning displays are lit. PARKTRONIC is then deactivated.	The PARKTRONIC sensors are dirty or there is interference. ▶ Clean the PARKTRONIC sensors (▷ page 402). ▶ Switch the ignition back on.
	The problem may be caused by an external source of radio or ultrasound waves. ▶ See if PARKTRONIC functions in a different location.

Active Parking Assist

General notes

Active Parking Assist is an electronic parking aid with ultrasound. It measures the road on both sides of the vehicle. A parking symbol indicates a suitable parking space. Active steering intervention and brake application can assist you during parking and when exiting a parking space. You may also use PARKTRONIC (▷ page 231).

Important safety notes

Active Parking Assist is only an aid. It is not a substitute for your attention to the immediate surroundings. The responsibility for safe manoeuvring and parking remains with you. Make sure that no persons, animals or objects are in the manoeuvring range.

When PARKTRONIC is deactivated, Active Parking Assist is also unavailable.

For vehicles with the trailer tow hitch folded out, the minimum length for parking spaces is slightly longer.

If you have attached a trailer to your vehicle, you should not use Active Parking Assist. Once the electrical connection is established between your vehicle and the trailer, Active Parking Assist is no longer available. PARKTRONIC is deactivated for the rear area.

⚠ WARNING

While parking or pulling out of a parking space, the vehicle swings out and can drive onto areas of the oncoming lane. This could cause you to collide with other road users. There is a risk of an accident.

Pay attention to other road users. Stop the vehicle if necessary or cancel the Active Parking Assist parking procedure.

! If unavoidable, you should drive over obstacles such as kerbs slowly and not at a sharp angle. Otherwise, you may damage the wheels or tyres.

Active Parking Assist may also display spaces not suitable for parking, e.g.:

- parking or stopping prohibitions.
- in front of driveways or entrances and exits.
- unsuitable surfaces.

Parking tips:

- on narrow roads, drive as closely as possible past the parking space.
- parking spaces that are littered or overgrown might be identified or measured incorrectly.
- parking spaces that are partially occupied by trailer drawbars might not be identified as such or be measured incorrectly.
- snowfall or heavy rain may lead to a parking space being measured inaccurately.
- pay attention to the PARKTRONIC (▷ page 232) warning messages during the parking procedure.
- you can intervene in the steering procedure to correct it at any time. Active Parking Assist will then be cancelled.
- when transporting a load which protrudes from your vehicle, you should not use Active Parking Assist.
- never use Active Parking Assist when snow chains are fitted.
- make sure that the tyre pressures are always correct. This has a direct influence on the parking characteristics of the vehicle.

Use Active Parking Assist for parking spaces that are:

- parallel or at right angles to the direction of travel
- on straight roads, not bends.
- on the same level as the road, e.g. not on the pavement.

Detecting parking spaces

Objects located above the height range of Active Parking Assist will not be detected when the parking space is measured. These are not taken into account when the parking procedure is calculated, e.g. overhanging loads, tail sections or loading ramps of goods vehicles.

⚠ WARNING

If there are objects above the detection range:

- Active Park Assist may steer too early
- the vehicle may not stop in front of these objects

This could cause a collision. There is a risk of an accident.

If objects are located above the detection range, stop and deactivate Active Parking Assist.

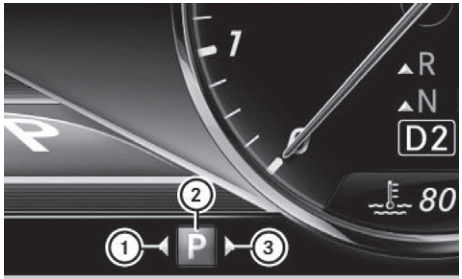
For further information on the detection range (▷ page 232).

Active Parking Assist does not assist you parking in spaces at right angles to the direction of travel if:

- two parking spaces are located directly next to one another
- the parking space is directly next to a low obstacle such as a low kerb
- you forward park

Active Parking Assist does not assist you parking in spaces that are parallel or at right angles to the direction of travel if:

- the parking space is on a kerb
- the system reads the parking space as being blocked, for example by foliage or grass paving blocks
- the area is too small for the vehicle to manoeuvre into
- the parking space is bordered by an obstacle, e.g. a tree, a post or a trailer



P54.33-3163-31

① Detected parking space on the left
② Parking symbol
③ Detected parking space on the right

Active Parking Assist is activated automatically when driving forwards. The system is operational at speeds of up to approximately 35 km/h. While in operation, the system independently locates and measures parking spaces on both sides of the vehicle.

Active Parking Assist will only detect parking spaces:

- parallel or at right angles to the direction of travel
- that are parallel to the direction of travel and are at least 1.5 m wide
- that are parallel to the direction of travel and at least 1.0 m longer than your vehicle
- that are at right angles to the direction of travel and at least 1.0 m wider than your vehicle

ⓘ Note that Active Parking Assist cannot measure the size of a parking space if it is at right angles to the direction of travel. You will need to judge whether your vehicle will fit in the parking space.

When driving at speeds below 30 km/h, you will see parking symbol ② as a status indicator in the instrument cluster. When a parking space has been detected, an arrow towards the right or the left also appears. Active Parking Assist only displays parking spaces on the front-passenger side as standard. Parking spaces on the driver's side are displayed as soon as the turn signal on the driver's side is activated. When parking on the driver's side, this must remain activated until you confirm the use of Active Parking Assist by pressing the OK button on the multifunction steering wheel. The system automatically determines whether the parking space is parallel or at right angles to the direction of travel.

A parking space is displayed while you are driving past it, and until you are approximately 15 m away from it.

Parking

⚠ WARNING

If you leave the vehicle when it is only being braked by Active Parking Assist it could roll away if:

- there is a malfunction in the system or in the voltage supply.
- the electrical system in the engine compartment, the battery or the fuses are tampered with.
- the battery is disconnected.
- the vehicle is accelerated, e.g. by a vehicle occupant.

There is a risk of an accident.

Before leaving the vehicle, always secure it against rolling away.

i When PARKTRONIC detects obstacles, Active Parking Assist brakes automatically during the parking process. You are responsible for braking in good time.

▶ Stop the vehicle when the parking symbol shows the desired parking space in the instrument cluster.

▶ Shift the transmission to position **R**.
The Start Park Assist? Yes: OK No: ⮌ message appears in the multifunction display.

▶ **To cancel the procedure:** press the ⮌ button on the multifunction steering wheel or pull away.

or

▶ **To park using Active Parking Assist:** press the OK button on the multifunction steering wheel.
The Park Assist active Accelerate and brake Observe surroundings message appears in the multifunction display.

▶ Release the multifunction steering wheel.

▶ Reverse the vehicle, being ready to brake at all times. When reversing, drive at a speed below 10 km/h. Otherwise, Active Parking Assist will be cancelled.
Active Parking Assist brakes the vehicle to a standstill when the vehicle approaches the rear border of the parking space.

Manoeuvring may be required in tight parking spaces.

The Park Assist active Select D Observe surroundings message appears in the multifunction display.

▶ Shift the transmission to position **D** while the vehicle is stationary.
Active Parking Assist immediately steers in the other direction.
The Park Assist active Accelerate and brake Observe surroundings message appears in the multifunction display.

i You will achieve the best results by waiting for the steering procedure to complete before pulling away.

▶ Drive forwards and be ready to brake at all times.
Active Parking Assist brakes the vehicle to a standstill.

The Park Assist active Select R Observe surroundings message appears in the multifunction display.

As soon as the parking procedure is complete, the Park Assist switched off message appears and a warning tone sounds. The vehicle is now parked. The vehicle is kept stationary without the driver having to depress the brake pedal. The braking effect is cancelled when you depress the accelerator pedal.

Active Parking Assist no longer supports you with steering interventions and brake applications. When Active Parking Assist is finished, you must steer and brake again yourself. PARKTRONIC is still available.

Parking tips:

- The way your vehicle is positioned in the parking space after parking is dependent on various factors. These include the position and shape of the vehicles parked in front and behind it and the conditions of the location. It may be the case that Active Parking Assist guides you too far into a parking space, or not far enough into it. In some cases, it may also lead you across or onto the kerb. If necessary, you should cancel the parking procedure with Active Parking Assist.
- You can also preselect transmission position **D**. The vehicle redirects and does not drive as far into the parking space. Should the transmission change take place too early, the parking procedure will be cancelled. A sensible parking position can no longer be achieved from this position.

Exiting a parking space

In order that Active Parking Assist can support you when exiting the parking space:

- the border of the parking space must be high enough at the front and the rear. A kerb stone is too small, for example.
- the border of the parking space must not be too wide, as the position of the vehicle must not exceed an angle of 45° to the starting position as it is manoeuvred into the parking space.
- a manoeuvring distance of at least 1.0 m must be available.

Active Parking Assist can only assist you with exiting a parking space if you have parked the vehicle parallel to the direction of travel using Active Parking Assist.

ⓘ If PARKTRONIC detects obstacles, Active Parking Assist brakes automatically whilst the vehicle exits the parking space. You are responsible for braking in good time.

▶ Start the engine.

▶ Release the electric parking brake.

▶ Switch on the turn signal in the direction you will drive out of the parking space.

▶ Shift the transmission to position **D** or **R**.
The Start Park Assist? Yes: OK No: ⮌ message appears in the multifunction display.

▶ **To cancel the procedure:** press the ⮌ button on the multifunction steering wheel or pull away.

or

▶ **To exit a parking space using Active Parking Assist:** press the OK button on the multifunction steering wheel.
The Park Assist active Accelerate and brake Observe surroundings message appears in the multifunction display.

▶ Release the multifunction steering wheel.

▶ Pull away, being ready to brake at all times. Do not exceed a maximum speed of approximately 10 km/h when exiting a parking space. Otherwise, Active Parking Assist will be cancelled.

▶ Shift the transmission to position **D** or **R** as required or according to the message while the vehicle is stationary.
Active Parking Assist immediately steers in the other direction. The Park Assist active Accelerate and brake Observe surroundings message appears in the multifunction display.

ⓘ You will achieve the best results by waiting for the steering procedure to complete before pulling away.

If you reverse after activation, the steering wheel is moved to the straight-ahead position.

▶ Drive forwards and reverse as prompted by the PARKTRONIC warning displays, several times if necessary.

Once you have exited the parking space completely, the steering wheel is moved to the straight-ahead position. You hear a tone and the Park Assist switched off message appears in the multifunction display. You will then have to steer and merge into traffic on your own. PARKTRONIC is still available. You can take over the steering before the vehicle has exited the parking space completely. This is useful, for example, when you recognise that it is already possible to pull out of the parking space.

Cancelling Active Parking Assist

▶ Stop the movement of the multifunction steering wheel or steer yourself.
Active Parking Assist will be cancelled at once. The Park Assist cancelled message appears in the multifunction display.

or

▶ Press the PARKTRONIC button (▷ page 233).
PARKTRONIC is switched off and Active Parking Assist is immediately cancelled. The Park Assist cancelled message appears in the multifunction display.

Active Parking Assist is cancelled automatically if:

- the electric parking brake is applied
- transmission position **P** is selected
- parking using Active Parking Assist is no longer possible
- you are driving faster than 10 km/h
- a wheel spins and ESP® intervenes or fails. The warning lamp lights up in the instrument cluster.

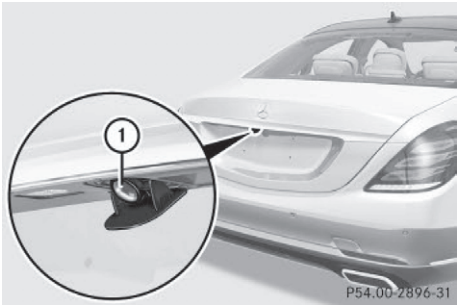
A warning tone sounds. The parking symbol disappears and the multifunction display shows the Park Assist cancelled message.

When Active Parking Assist is cancelled, you must steer and brake again yourself.

If a system malfunction occurs, the vehicle is braked to a standstill. To drive on, depress the accelerator pedal again.

Reversing camera

General notes



Reversing camera ① is in the boot lid handle.

Reversing camera ① is an optical parking and manoeuvring aid. It shows the area behind the vehicle with guide lines in the multimedia system.

The area behind the vehicle is displayed as a mirror image, as in the rear-view mirror.

ⓘ The text shown in the multimedia system depends on the language setting. The following are examples of reversing camera messages in the multimedia system.

Important safety notes

The reversing camera is only an aid. It is not a substitute for your attention to the immediate surroundings. The responsibility for safe manoeuvring and parking remains with you. Make sure that there are no persons, animals or objects in range while manoeuvring and parking.

Under the following circumstances, the reversing camera will not function, or will function in a limited manner:

- if the boot lid is open.
- in heavy rain, snow or fog.
- at night or in very dark places.
- if the camera is exposed to very bright light.
- if the area is lit by fluorescent bulbs or LED lighting (the display may flicker).
- if the camera lens mists up, e.g. when driving into a heated garage in winter, causing a rapid change in temperature.
- if the camera lens is dirty or obstructed.
- if the rear of your vehicle is damaged. In this case, have the camera position and setting checked at a qualified specialist workshop.

The field of vision and other functions of the reversing camera may be restricted due to additional accessories on the rear of the vehicle (e.g. licence plate holder, bicycle rack).

The guide lines on the multimedia system show the distances to your vehicle. The distances only apply to road level.

ⓘ The reversing camera is protected from raindrops and dust by means of a flap. When the reversing camera is activated, this flap opens.

The flap closes again when:

- you have finished the manoeuvring process
- you switch off the engine
- you open the boot

See the notes on cleaning (▷ page 403).

For technical reasons, the flap may remain open briefly after the reversing camera has been deactivated.

Activating/deactivating the reversing camera



▶ **To activate:** make sure that the key is in position **2** in the ignition lock.

▶ Make sure that the Activation by R gear function is selected in the multimedia system (see the separate operating instructions).

▶ Engage reverse gear.
The reversing camera flap opens. The multimedia system shows the area behind the vehicle with guide lines.

The image from the reversing camera is available throughout the manoeuvring process.

▶ **To switch the function mode for vehicles with trailer tow hitch:** using the controller, select symbol ① for the "Reverse parking" function or symbol ② for "Coupling up a trailer".
The symbol of the selected function is highlighted.

To deactivate: the reversing camera deactivates if you shift the transmission to **P** or after driving forwards a short distance.

Displays in the multimedia system

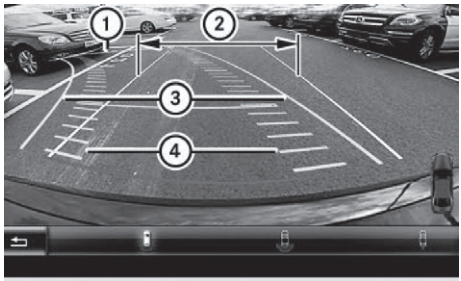
The reversing camera may show a distorted view of obstacles or show them incorrectly or not at all. Obstacles are not shown by the reversing camera in the following locations:

- very close to the rear bumper
- under the rear bumper
- in the area immediately above the handle in the boot lid

! Objects not at ground level may appear to be further away than they actually are, e.g.:

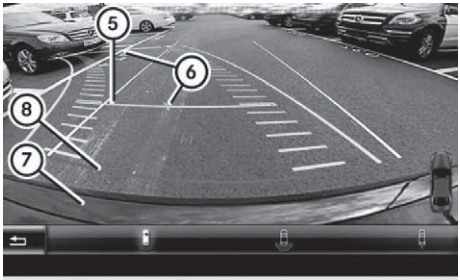
- the bumper of a parked vehicle
- the drawbar of a trailer
- the ball coupling of a trailer tow hitch
- the rear section of an HGV
- a slanted post

Use the guidelines only for orientation. Approach objects no further than the bottommost guideline.



P54.65-4903-31

① Yellow guide line at a distance of approximately 4.0 m from the rear of the vehicle
② White guide line without turning the steering wheel, vehicle width including the exterior mirrors (static)
③ Yellow guide line for the vehicle width including the exterior mirrors, for current steering wheel angle (dynamic)
④ Yellow lane marking the course the tyres will take at the current steering wheel angle (dynamic)

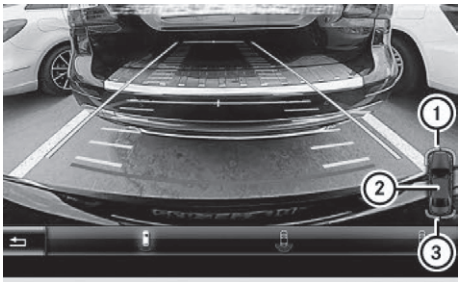


P54.65-4904-31

⑤ Yellow guide line at a distance of approximately 1.0 m from the rear of the vehicle
⑥ Vehicle centre axis (locating aid)
⑦ Bumper
⑧ Red guide line at a distance of approximately 0.30 m from the rear of the vehicle

The guide lines are shown when the transmission is in position **R**.

The distance specifications only apply to objects that are at ground level.



P54.65-4905-31

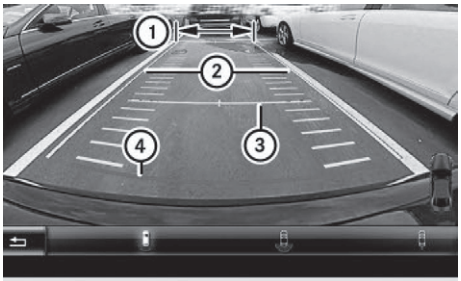
① Front warning display
② Additional PARKTRONIC measurement operational readiness indicator
③ Rear warning display

Vehicles with PARKTRONIC: when PARKTRONIC is operational (▷ page 232), additional measurement operational readiness indicator ② appears in the multimedia system. If the PARKTRONIC warning displays are active or light up, warning displays ① and ③ are also

active or light up correspondingly in the multimedia system.

"Reverse parking" function

Reversing straight into a parking space without turning the steering wheel

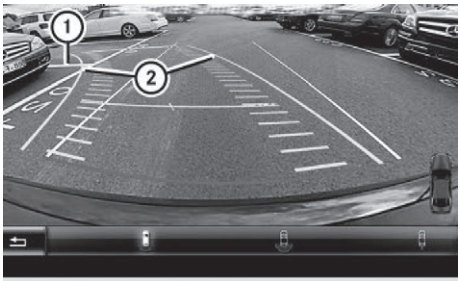


P54.65-4906-31

① White guide line without turning the steering wheel, vehicle width including the exterior mirrors (static)
② Yellow guide line for the vehicle width including the exterior mirrors, for current steering wheel angle (dynamic)
③ Yellow guide line at a distance of approximately 1.0 m from the rear of the vehicle
④ Red guide line at a distance of approximately 0.30 m from the rear of the vehicle

▶ Make sure that the reversing camera is switched on.
The lane and the guide lines are shown.
▶ With the help of white guide line ①, check whether the vehicle will fit into the parking space.
▶ Using white guide line ① as a guide, carefully reverse until you reach the end position.
Red guide line ④ is then at the end of the parking space. The vehicle is almost parallel in the parking space.

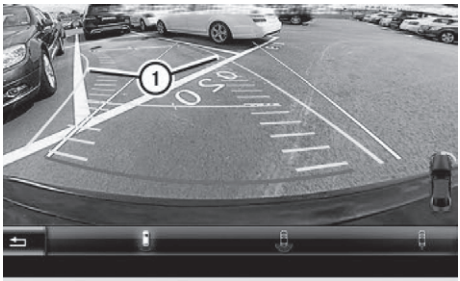
Reverse perpendicular parking with the steering wheel at an angle



P54.65-4907-31

① Parking space marking
② Yellow guide line for the vehicle width including the exterior mirrors, for current steering wheel angle (dynamic)

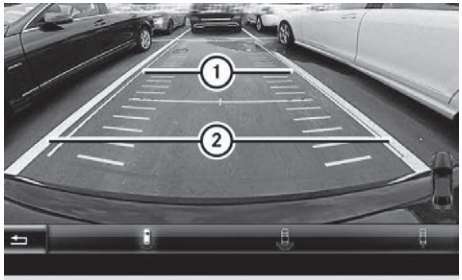
▶ Drive past the parking space and bring the vehicle to a standstill.
▶ Make sure that the reversing camera is switched on.
The lane and the guide lines are shown.
▶ While the vehicle is at a standstill, turn the steering wheel in the direction of the parking space until yellow guide line ② reaches parking space marking ①.
▶ Keep the steering wheel in that position and reverse carefully.



P54.65-4908-31

① Yellow guide line for the vehicle width including the exterior mirrors, for current steering wheel angle (dynamic)

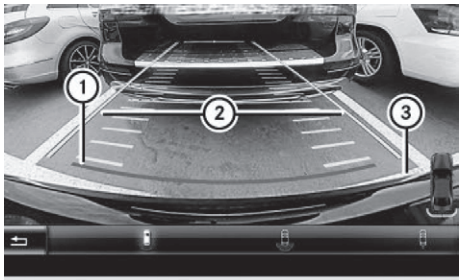
▶ Stop the vehicle when it is almost exactly in front of the parking space.
The white lane should be as close to parallel with the parking space marking as possible.



P54.65-4909-31

① White guide line at current steering wheel angle
② Parking space marking

▶ Turn the steering wheel to the centre position while the vehicle is stationary.

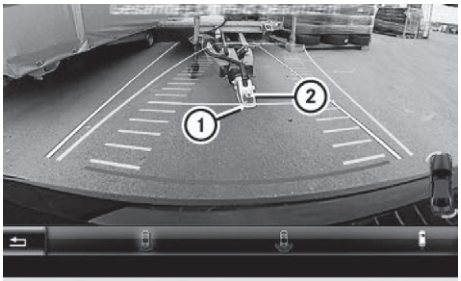


P54.65-4910-31

① Red guide line at a distance of approximately 0.30 m from the rear of the vehicle
② White guide line without turning the steering wheel
③ End of parking space

▶ Reverse carefully until you have reached the end position.
Red guide line ① is then at the end of parking space ③. The vehicle is almost parallel in the parking space.

"Coupling up a trailer" function



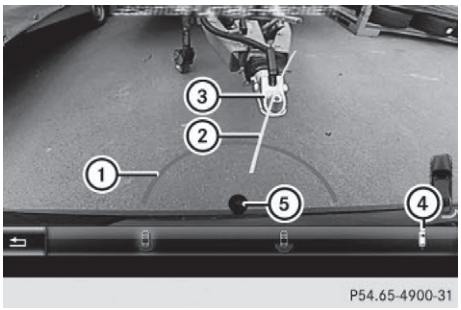
P54.65-4901-31

① Vehicle centre point on the yellow guide line at a distance of approximately 1.0 m from the rear of the vehicle
② Trailer drawbar

This function is only available on vehicles with a trailer tow hitch.

▶ Before coupling up a trailer, set the height of trailer drawbar ② so that it is slightly higher than the ball coupling.

▶ Position the vehicle centrally in front of trailer drawbar ②.



P54.65-4900-31

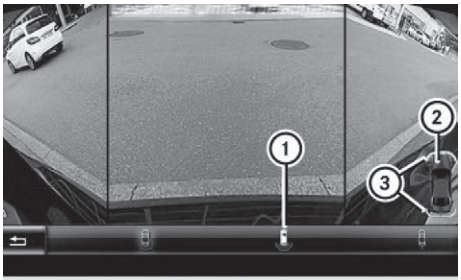
① Red guide line at a distance of approximately 0.30 m from the ball coupling
② Trailer drawbar locating aid
③ Trailer drawbar
④ Symbol for the "Coupling up a trailer" function
⑤ Ball coupling

▶ Use the controller to select symbol ④ (see the separate operating instructions).
The "Coupling up a trailer" function is selected. The distance specifications now only

apply to objects that are at the same level as the ball coupling.

- ▶ Reverse carefully, making sure that trailer drawbar locating aid ② points approximately in the direction of trailer drawbar ③.
- ▶ Reverse carefully until trailer drawbar ③ reaches red guide line ①.
  The distance between trailer drawbar ③ and red guide line ① is now approximately 0.30 m.
- ▶ Couple up the trailer (▷ page 286).

180° view



① Symbol for the 180° view function
② Own vehicle
③ PARKTRONIC warning displays

You can also use the reversing camera to select a 180° view.

When PARKTRONIC is operational (▷ page 232), a symbol for your own vehicle appears in the multimedia system. If the PARKTRONIC warning displays are active, warning displays ② light up in the multimedia system in yellow or red accordingly.

Object detection

The reversing camera can detect moving and stationary objects. If, for example, a pedestrian or another vehicle is detected, these objects are marked with bars. The system is only able to detect and mark stationary objects when your vehicle is moving. When the vehicle is stationary, moving objects can be detected and marked.

To ensure that you can use the function, it must be switched on in the multimedia system (see the separate operating instructions).

360° camera (surround view)

General notes

The 360° camera is a camera system that consists of four cameras.

The system evaluates images from the following cameras:

- reversing camera
- front camera
- two side cameras in the exterior mirrors

The cameras cover the immediate surroundings of the vehicle. The 360° camera assists you, for instance when parking or at exits with reduced visibility.

You can show images from the 360° camera in full-screen mode or in seven different split-screen views on the multimedia system. A split-screen view also includes a top view of the vehicle. This view is calculated from the data supplied by the installed cameras (virtual camera).

The seven split-screen views are:

- top view and image from the reversing camera (130° viewing angle)
- top view and image from the front camera (130° viewing angle without displaying the maximum steering wheel angle)
- top view and enlarged rear view
- top view and enlarged front view
- top view and trailer view (vehicles with trailer tow hitch)
- top view and images from the rear-facing side cameras (rear wheel view)
- top view and images from the forward-facing side cameras (front wheel view)

When the function is active and you shift the transmission from **D** or **R** to **N**, the guide lines are hidden in the multimedia system.

When you change between transmission positions **D** and **R**, you see the previously selected front or rear view.

Distances measured by PARKTRONIC will also be optically displayed:

- as red or yellow brackets around the vehicle symbol in top view in split-screen mode or
- at the bottom right as red or yellow brackets around the vehicle symbol in full-screen mode

The line thickness and colour of the brackets show how far the vehicle is from an object.

- yellow brackets with thin lines: PARKTRONIC is active
- yellow brackets with normal lines: an object is present in close range of the vehicle
- red line: an object is present in the immediate close range of the vehicle

Important safety notes

The 360° camera is only an aid and may show a distorted view of obstacles, show them incorrectly or not at all. The 360° camera is not a substitute for attentive driving.

The responsibility for safe manoeuvring and parking remains with you. Make sure that there are no persons, animals or objects in range while manoeuvring and parking.

You are always responsible for safety, and must always pay attention to your surroundings when parking and manoeuvring. This applies to the areas behind, in front of and beside the vehicle. You could otherwise endanger yourself and others.

The 360° camera will not function or will function only in a limited manner:

- if the doors are open.
- if the exterior mirrors are folded in.
- if the boot lid is open.
- in heavy rain, snow or fog.
- at night or in very dark places.
- if the cameras are exposed to very bright light.
- if the area is lit by fluorescent bulbs or LED lighting (the display may flicker).
- if the camera lenses mist up, e.g. when driving into a heated garage in winter, causing a rapid change in temperature
- if the camera lenses are dirty or covered. Observe the notes on cleaning (▷ page 403)
- if the vehicle components in which the cameras are fitted are damaged. In this event, have the camera position and setting checked at a qualified specialist workshop.

Do not use the 360° camera under such circumstances. You could otherwise injure others or damage objects when parking the vehicle.

The guide lines on the multimedia system show the distances to your vehicle. The distances only apply to road level.

In trailer mode, the guide lines show the distances at the level of the trailer tow hitch.

The cameras in the front and in the rear area are each protected by a flap. These flaps are opened when the 360° camera is activated. Observe the notes on cleaning (▷ page 403). For technical reasons, the flaps may remain open briefly after the 360° camera has been deactivated.

The field of vision and other functions of the camera system may be restricted due to additional accessories on the rear of the vehicle (e.g. licence plate holder, bicycle rack).

On vehicles with height-adjustable suspension, due to the technical conditions, leaving the standard height can result in:

- inaccuracies in the guide lines
- inaccuracies in the display of generated images (top view)

Activation conditions

The 360° camera image can be displayed if:

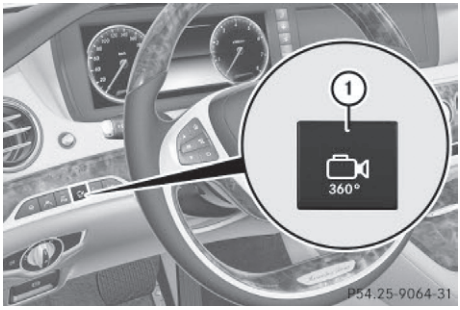
- the multimedia system is switched on
- the 360° camera function is switched on

ⓘ If the 360° camera is activated at speeds above approximately 30 km/h, a warning message appears.

The warning message disappears if:

- the vehicle's speed falls below approximately 30 km/h. The 360° camera is then activated.
- the message is confirmed with the ⮌ button.

Switching the 360° camera on/off using the button



▶ **To switch on:** press button ①.
The following appears depending on whether transmission position **D** or **R** is selected:

- full-screen view with image from the front camera
- full-screen view with image from the reversing camera

▶ **To switch off:** press button ① again.

Switching on the 360° camera and multimedia system

▶ Press the button in the centre console. The vehicle menu appears.

▶ To select the 360° camera: turn and press the controller.
The following appears depending on whether transmission position **D** or **R** is selected:
- a split-screen with top view and the image from the front camera or
- a split-screen with top view and the image from the reversing camera

Switching on the 360° camera using reverse gear

You can show images from the 360° camera automatically by engaging reverse gear.

▶ Make sure that the key is in position **2** in the ignition lock.

▶ Make sure that the `Activation by R gear` function is selected in the multimedia system (see the separate operating instructions).

▶ **To show the 360° camera image:** engage reverse gear.
The multimedia system shows the area behind the vehicle in split-screen mode. You see the top view of the vehicle and the image from the reversing camera.

Selecting the split-screen and full screen displays

Switching between split screen views:

▶ To switch to the line with the vehicle icons: slide ↑◎ the controller.

▶ To select a vehicle icon: turn the controller.

Switching to full screen mode:

▶ `180° view` Turn and press the controller.

ⓘ The 180° option is only available in the following views:
- Top view with image from the reversing camera
- Top view with image from the front camera

Displays in the multimedia system

Important safety notes

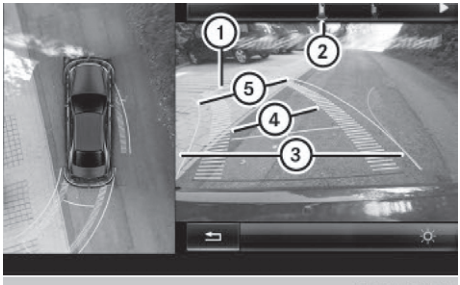
The camera system may show a distorted view of obstacles or show them incorrectly or not at all. Obstacles are not shown by the system in the following locations:

- under the front and rear bumpers
- very close to the front and rear bumpers
- in the area immediately above the handle on the boot lid
- very close to the exterior mirrors
- in the transitional areas between the various cameras in the virtual top view

❗ Objects not at ground level may appear to be further away than they actually are, e.g.:
- the bumper of a parked vehicle
- the drawbar of a trailer
- the ball coupling of a trailer tow hitch
- the rear section of an HGV
- a slanted post

Use the guidelines only for orientation. Approach objects no further than the bottommost guideline.

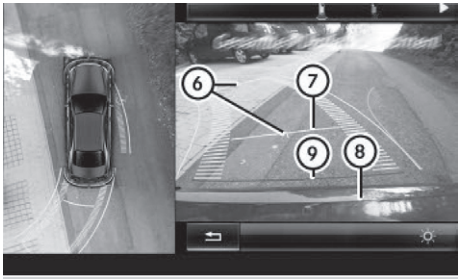
Top view with image from the reversing camera



① Yellow guide line at a distance of approximately 4.0 m from the rear of the vehicle

② Symbol for the split-screen setting with top view and reversing camera image

③ Guide line for the maximum steering angle
④ Yellow lane marking the course the tyres will take at the current steering wheel angle (dynamic)
⑤ Yellow guide line for the vehicle width including the exterior mirrors, for current steering wheel angle (dynamic)



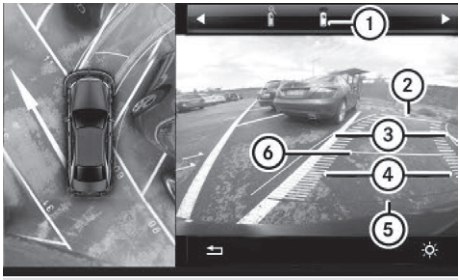
P54.65-4872-31

⑥ Vehicle centre axis (locating aid)
⑦ Yellow guide line at a distance of approximately 1.0 m from the rear of the vehicle
⑧ Bumper
⑨ Red guide line at a distance of approximately 0.30 m from the rear of the vehicle

The guide lines are shown when the transmission is in position **R**.

The distance specifications only apply to objects that are at ground level.

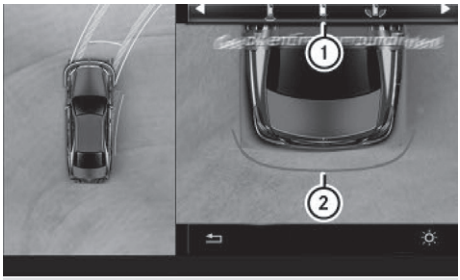
Top view with image from the front camera



P54.65-4869-31

① Symbol for the split-screen setting with top view and front camera image
② Yellow guide line at a distance of approximately 4.0 m from the front of the vehicle
③ Yellow guide line for the vehicle width including the exterior mirrors, for current steering wheel angle (dynamic)
④ Yellow lane marking the course the tyres will take at the current steering wheel angle (dynamic)
⑤ Red guide line at a distance of approximately 0.30 m from the front of the vehicle
⑥ Yellow guide line at a distance of approximately 1.0 m from the front of the vehicle

Top view and enlarged rear view



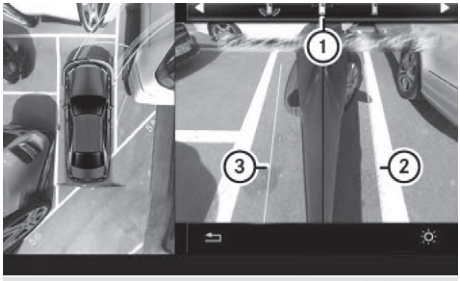
P54.65-4874-31

① Symbol for the split-screen setting with top view and reversing camera image enlarged
② Red guide line at a distance of approximately 0.30 m from the rear of the vehicle

This view assists you in estimating the distance to the vehicle behind you.

ⓘ This setting can also be selected as an enlarged front view.

Top view with image from the side cameras

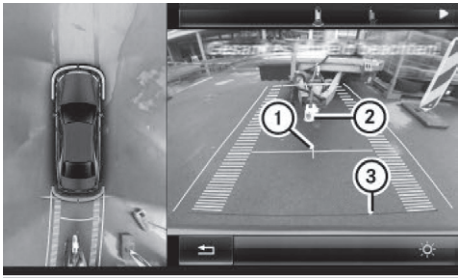


P54.65-4868-31

① Symbol for the top view and forward-facing side camera setting
② Yellow guide line for the vehicle width including the exterior mirror (right side of vehicle)
③ Yellow guide line for the vehicle width including the exterior mirror (left side of vehicle)

ⓘ You can also select the side camera setting for the rear-facing view.

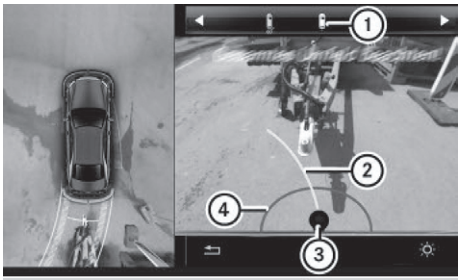
"Coupling up a trailer" function



P54.65-4877-31

① Vehicle centre point on the yellow guide line at a distance of approximately 1.0 m from the rear of the vehicle
② Trailer drawbar
③ Red guide line at a distance of approximately 0.30 m from the rear of the vehicle

▶ Set the height of trailer drawbar ② so that it is slightly higher than the ball coupling.
▶ Position the vehicle centrally in front of trailer drawbar ②.



P54.65-4873-31

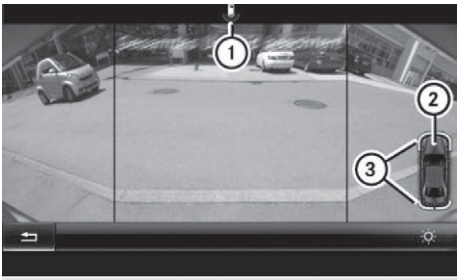
① Symbol for the trailer view setting
② Trailer drawbar locating aid
③ Ball coupling
④ Red guide line at a distance of approximately 0.30 m from the ball coupling

▶ Use the controller to select symbol ① (see the separate operating instructions).
The "Coupling up a trailer" function is selected. The distance specifications now only apply to objects that are at the same level as the ball coupling.
▶ Reverse carefully, making sure trailer drawbar locating aid ② points approximately in the direction of the trailer drawbar.
▶ Reverse carefully until the trailer drawbar reaches red guide line ④.
The distance between the trailer drawbar and red guide line ④ is now approximately 0.30 m.
▶ Couple up the trailer (▷ page 286).

ⓘ For technical reasons, the ball coupling of the trailer tow hitch in the multimedia system display is either only partially visible or not at all.

The lines are shown at the level of the trailer coupling.

180° view



P54.65-4870-31

① Symbol for the full-screen setting with the reversing camera image
② Own vehicle
③ PARKTRONIC warning displays

ⓘ 180° view can also be selected as front view.

Select this view when you are driving out of an exit and the view of crossing traffic is restricted, for example.

Stopping the 360° camera display

The 360° camera display is stopped:

- when you select transmission position **P**, or
- when you are driving at moderate speeds

The view which was active before the 360° camera was displayed appears in the multimedia system. You can also stop the 360° camera display split-screen view by selecting the ⮌

symbol in the display and then confirming with the COMAND controller.

ATTENTION ASSIST

General notes

ATTENTION ASSIST helps you during long, monotonous journeys such as on motorways and trunk roads. It is active in the 60 km/h to 200 km/h speed range. If ATTENTION ASSIST detects typical indicators of fatigue or increasing lapses in concentration on the part of the driver, it suggests taking a break.

Important safety notes

ATTENTION ASSIST is only an aid. It may not always detect fatigue or lapses in concentration until too late, or may not detect them at all. The system is not a substitute for a well-rested and attentive driver.

The functionality of ATTENTION ASSIST is restricted, and warnings may be delayed or not occur at all:

- if the length of the journey is less than approximately 30 minutes
- if the road condition is poor, e.g. if the surface is uneven or if there are potholes
- if there is a strong side wind
- if you have adopted a sporty driving style with high cornering speeds or high rates of acceleration
- if you are predominantly driving at a speed below 60 km/h or above 200 km/h
- if you are driving with the active Steer Assist of DISTRONIC PLUS
- if the time has been set incorrectly
- in active driving situations, such as when you change lanes or change your speed

The ATTENTION ASSIST tiredness assessment is deleted and restarted when continuing the journey, if:

- you switch off the engine
- you take off your seat belt and open the driver's door, e.g. for a change of drivers or to take a break

Displaying the attention level



P54.33-3165-31

You can have current status information displayed in the assistance menu (▷ page 305) of the on-board computer.

▶ Select the assistance graphic display for ATTENTION ASSIST using the on-board computer (▷ page 304).

The following information is displayed:

- the length of the journey since the last break
- the attention level determined by ATTENTION ASSIST (Attention level), displayed in a bar display in five levels from high to low
- if ATTENTION ASSIST is unable to calculate the attention level and cannot issue a warning, the System suspended message appears. The bar display then changes the display, e.g. if you are driving at a speed below 60 km/h or above 200 km/h

Activating ATTENTION ASSIST

▶ Activate ATTENTION ASSIST using the on-board computer (▷ page 307).
The system determines the attention level of the driver depending on the setting selected:

If Standard is selected: the sensitivity with which the system determines the attention level is set to normal.

If Sensitive is selected: the sensitivity is set higher. The attention level detected by ATTENTION ASSIST is adapted accordingly and the driver is warned earlier.

When ATTENTION ASSIST is deactivated, the OFF symbol appears in the multifunction display in the assistance graphic display.

When ATTENTION ASSIST has been deactivated, it is automatically reactivated after the engine has been switched off. The sensitivity selected

corresponds to the last selection activated (standard/sensitive).

Warning in the multifunction display

If fatigue or increasing lapses in concentration are detected, a warning appears in the multifunction display: ATTENTION ASSIST Take a break!.

In addition to the message shown in the multifunction display, you will then hear a warning tone.

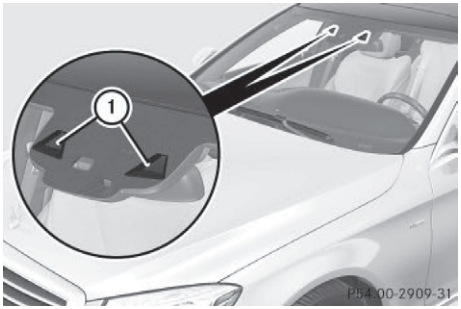
- ▶ If necessary, take a break.
- ▶ Confirm the message by pressing the OK button on the steering wheel.

On long journeys, take regular breaks in good time that allow for adequate recuperation. If you do not take a break and ATTENTION ASSIST continues to detect increasing lapses in concentration, you will be warned again after 15 minutes at the earliest. This will only happen if ATTENTION ASSIST still detects typical indicators of fatigue or increasing lapses in concentration.

If a warning is given in the multifunction display, the multimedia system offers a service station search. You can select a service station and navigation to this service station will then begin. This function can be activated and deactivated in the multimedia system.

Traffic Sign Assist

General notes



Traffic Sign Assist displays the maximum speed permitted and overtaking restrictions to the driver in the instrument cluster. Driving onto a section of road in the wrong direction triggers a warning. Traffic Sign Assist detects traffic signs with multifunction camera ① attached at the top of the windscreen. The data and general traffic regulations stored in the navigation system are also used to determine the current speed limit.

If a traffic sign that is relevant to your vehicle is passed, the display of the speed limits and overtaking restrictions is updated.

The display can also be updated without a visible traffic sign if:

- the vehicle changes roads (e.g. motorway exit or slip road)
- a village or town boundary is passed which is stored in the digital map
- the last traffic sign detected by the camera has not been repeated

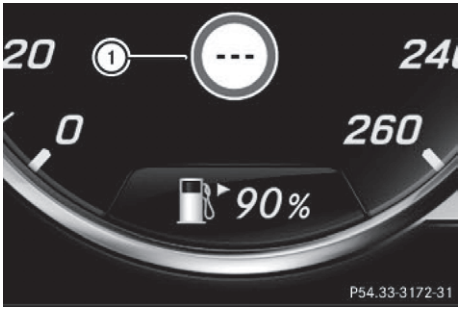
If a sign indicating the end of a restriction (speed limit or overtaking restriction) is passed, the sign is displayed for five seconds. The currently applicable traffic regulation continues to be shown in the assistance graphic display (▷ page 304).

The camera also detects traffic signs with a restriction indicated by an additional sign (e.g. in wet conditions).

The traffic signs are only displayed with the restrictions if:

- the regulation must be observed with the restriction, or
- Traffic Sign Assist is unable to determine whether the restriction applies

If Traffic Sign Assist is unable to determine a maximum permitted speed from any of the available sources, no speed limit is displayed in the instrument cluster either.



Traffic Sign Assist is not available in all countries. In this case, display ① is shown in the speedometer.

Important safety notes

Traffic Sign Assist is only an aid and is not always able to correctly display speed limits and overtaking restrictions. Traffic signs always have priority over the Traffic Sign Assist display.

The system may be either functionally impaired or temporarily unavailable if:

- visibility is poor, e.g. due to snow, rain, fog or spray
- there is glare, e.g. from the sun being low in the sky
- there is dirt, ice or misting on the windscreen in the vicinity of the camera
- traffic signs are hard to detect (dirt, ice, snow)
- the traffic signs are insufficiently lit at night
- signs are ambiguous (e.g. traffic signs on construction sites or in adjacent lanes)
- the information in the digital street map of the navigation system is incorrect or out of date

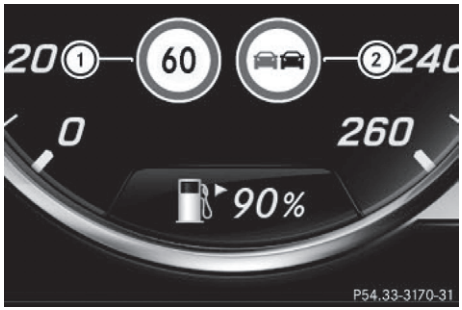
Activating Traffic Sign Assist

▶ Activate the Traffic Sign Assist display using the on-board computer (▷ page 306).

If you have activated the Traffic Sign Assist display in the on-board computer, the traffic regulations (speed limits and overtaking restrictions) are displayed in the instrument cluster for five seconds respectively. The wrong-way warning and the traffic sign display for speed limits and overtaking restrictions remain active even when the display has been deactivated.

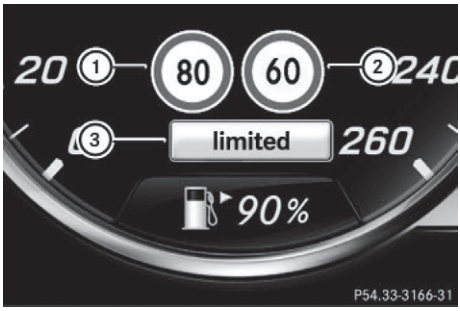
Instrument cluster display

Speed limit with overtaking restriction



A maximum permitted speed of 60 km/h (60 mph) ① and an overtaking restriction ② apply.

Speed limit with unknown restriction



① Maximum permitted speed
② Maximum permitted speed for vehicles for which the restriction in the additional sign is relevant
③ Additional sign for unknown restriction

A maximum permitted speed of 80 km/h (80 mph) and a speed limit of 60 km/h (60 mph) with an unknown restriction apply.

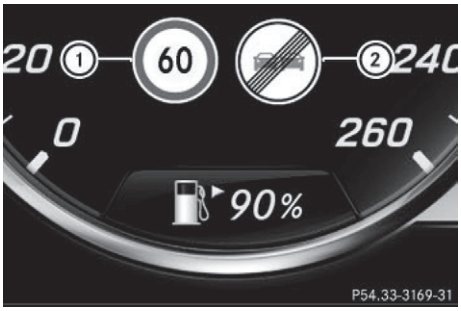
Speed limits in wet conditions



① Maximum permitted speed
② Additional signs for wet conditions

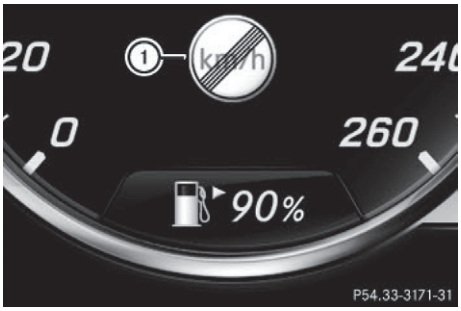
A maximum permitted speed of 80 km/h (80 mph) applies in wet conditions and when Traffic Sign Assist has determined that the restriction must be observed.

End of an overtaking restriction



A maximum permitted speed of 60 km/h (60 mph) ① applies. The overtaking restriction no longer applies ②. The traffic sign for signalling the end of an overtaking restriction is displayed for five seconds.

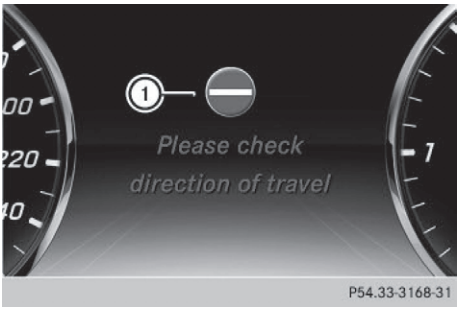
End of a speed limit



No speed limit ① applies here.

ⓘ The unit for the speed limit (km/h or mph) depends on the country in which you are driving. It is generally neither shown on the traffic sign nor on the instrument cluster but must be taken into account when observing the maximum permitted speed.

No entry (wrong-way warning)

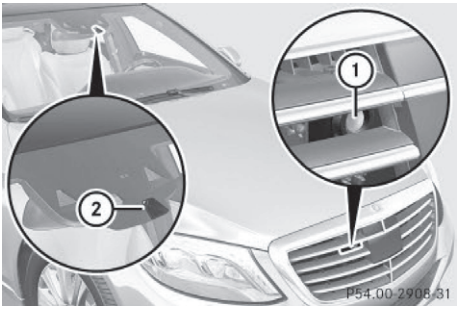


① Warning message in the instrument cluster (wrong-way warning)

If no entry signs are passed, a warning message is displayed in the instrument cluster should Traffic Sign Assist detect that you are driving in the wrong direction. You will then also hear a warning tone. You should immediately check your direction of travel in order to avoid danger to yourself and other road users.

Night View Assist Plus

General notes



In addition to the illumination provided by the normal headlamps, Night View Assist Plus uses infrared light to illuminate the road. Night View Assist Plus camera ② picks up the infrared light and displays a monochrome image in the multifunction display. The image shown in the display corresponds to a road lit up by main-beam headlamps. This enables you to see the road's course and any obstacles in good time. When pedestrian recognition is active, pedestrians recognised by the system are visually highlighted in colour in the Night View Assist Plus display with small frame corners.

In addition, an infrared camera is integrated into the radiator trim ①. The camera helps detect pedestrians and animals. Observe the notes on cleaning the infrared camera (▷ page 404).

ⓘ Infrared light is not visible to the human eye and therefore does not dazzle. Night View Assist Plus can therefore remain switched on even if there is oncoming traffic.

Important safety notes

Night View Assist Plus is only an aid and is not a substitute for attentive driving. Do not rely on the Night View Assist Plus display. You are responsible for the distance to the vehicle in front, for vehicle speed and for braking in good time. Drive carefully and always adapt your driving style to suit the prevailing road and traffic conditions.

The system may be impaired or may not function if:

- there is poor visibility, e.g. due to snow, rain, fog or spray
- the windscreen is dirty, misted up or covered, for instance by a sticker, in the vicinity of the camera
- the infrared camera in the radiator trim is dirty, misted up or obscured.
- on bends, on hilltops or in dips
- at high outside temperatures

Night View Assist Plus cannot display objects directly in front of or beside the vehicle.

It is possible that, in addition to people and animals, other objects are also marked or highlighted .

Pedestrian and animal recognition

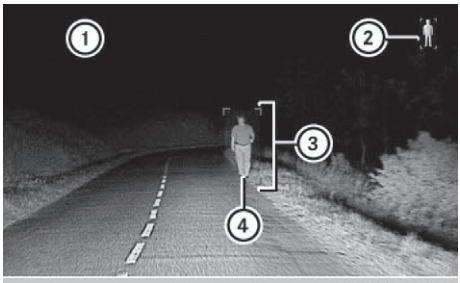
General notes

Pedestrian or animal recognition may be impaired or inoperative if:

- pedestrians or animals are partially or entirely obscured by other objects, e.g. parked vehicles
- the silhouette of the pedestrian or of the animal in the Night View Assist Plus display is incomplete or interrupted, e.g. by powerful light reflections
- pedestrians or animals do not contrast with the surroundings
- the camera system no longer recognises pedestrians as persons due to special clothing or other objects
- pedestrians are not in an upright position, e.g. sitting, squatting or lying
- animals are not recognised by the system, e.g. because of their size or shape

Pedestrian and animal recognition is deactivated at temperatures above 32 °C. The spotlight function and automatic activation are then no longer active.

Pedestrian recognition



P54.33-2618-31

① Night View Assist Plus display
② Standby symbol for active pedestrian recognition
③ Highlighting
④ Pedestrian recognised

Night View Assist Plus can recognise pedestrians using typical characteristics, e.g. the body contours and posture of a person standing upright.

Pedestrian recognition is then switched on automatically if:

- Night View Assist Plus is activated
- you are driving faster than approximately 10 km/h
- it is dark

If pedestrian recognition is active, readiness symbol ② appears. Persons who are detected are highlighted by framing ③. If the pedestrian recognition system has brought a pedestrian to your attention, look through the windscreen to evaluate the situation. The actual distance to objects and pedestrians cannot be gauged accurately by looking at a screen.

Animal recognition

Animals can be recognised in the following situations:

- darkness
- outside built-up areas
- below an ambient temperature of 32 °C.

Night View Assist Plus can recognise larger animals such as deer, cows or horses using typical characteristics.

The system does not detect:

- smaller animals, e.g. dogs and cats
- animals whose silhouette is not clearly recognisable

When detected, animals are marked with small coloured frame corners. In contrast to pedestrian recognition, there is no separate readiness symbol in the multifunction display.

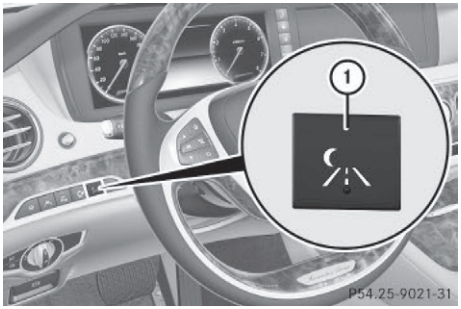
Activating/deactivating Night View Assist Plus

Activation conditions

You can only activate Night View Assist if all of the following conditions have been fulfilled:

- the ignition is switched on (▷ page 175) or the engine has been started.
- the light switch is in the AUTO or position.
- reverse gear has not been engaged.

Activating Night View Assist Plus



▶ Press button ①.
The Night View Assist Plus display appears in the multifunction display.

ⓘ The infrared headlamps only switch on in the dark when the vehicle is being driven at speeds of at least 10 km/h. This means that you do not have the full visual range while stationary and cannot check whether Night View Assist Plus is working. The infrared headlamps are deactivated at speeds below 5 km/h. The Night View image continues to be displayed until you deactivate it by pressing button ①.

Automatic activation

You can select the Night View Assist Automatic activation option via the Night View Assist menu. The pedestrian and animal search function remains active even when the Night View image is not displayed. In the dark, in unlit surroundings and at speeds of more than 60 km/h, the Night View image is automatically displayed in the multifunction display as soon as pedestrians or animals are detected.

▶ In the assistance menu, select automatic activation of Night View Assist Plus (▷ page 306).

Deactivating Night View Assist Plus

▶ Press button ①.
The Night View Assist Plus display disappears from the multifunction display. Night View Assist is deactivated.

Spotlight function

General notes

Under certain conditions, the spotlight function uses the headlamps to flash at detected pedestrians.

The spotlight function is only active if:

- pedestrian recognition is active
- the road surface is not lit
- the driving speed is at least 60 km/h
- the "Adaptive Highbeam Assist PLUS" function is activated (▷ page 144).

The spotlight function is not active or is active only to a limited extent if:

- you are driving in city traffic
- there are pedestrians located in the area of an oncoming vehicle or a vehicle in front

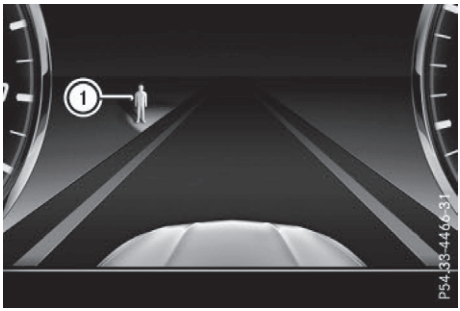
Activating the spotlight function

The pedestrian detection with spotlight function runs in the background. If the prerequisites are met, the spotlight function uses the headlamps to flash four short pulses at a pedestrian detected on or near to the road surface.

▶ In the light menu, select the spotlight function of Night View Assist Plus (▷ page 310).

The spotlight function does not flash at animals.

Display in the assistance graphic



Pedestrian symbol ① in the assistance graphic indicates the status of the spotlight function. If the symbol is displayed not filled in, the function is switched on. If the symbol is displayed filled in, the conditions for the spotlight function are met.

Showing the assistance graphic

▶ Select the Assistance graphic menu using the on-board computer (▷ page 304).

Problems with Night View Assist Plus

Problem	Possible causes/consequences and ▶ Solutions
The picture quality of Night View Assist Plus has deteriorated.	The windscreen is misted up on the inside. ▶ Fold down the camera cover (▷ page 404). ▶ Demist the windscreen (▷ page 159).
	The windscreen is iced up. ▶ De-ice the windscreen (▷ page 159).
	The windscreen wipers are smearing the windscreen. ▶ Replace the wiper blades (▷ page 146).
	The windscreen is smeared after the vehicle has been cleaned in a car wash. ▶ Clean the windscreen (▷ page 401).
	The windscreen has been damaged by stone impact in the camera's field of vision. ▶ Replace the windscreen.
The pedestrian and animal recognition is not available.	The infrared camera in the radiator trim is dirty ▶ Use a soft cloth and water to clean the infrared camera.

Driving Assistance Plus package

General notes

The Driving Assistance PLUS package consists of DISTRONIC PLUS (▷ page 216), Active Blind Spot Assist (▷ page 253) and Active Lane Keeping Assist (▷ page 256).

Active Blind Spot Assist

General notes

Active Blind Spot Assist monitors the areas on either side of the vehicle that are not visible to the driver with two lateral, rear-facing radar sensors. A warning display in the exterior mirrors

draws your attention to vehicles detected in the monitored area. If you then switch on the corresponding turn signal to change lanes, you will also receive a visual and audible collision warning. If a risk of side impact is detected, corrective braking may help you avoid a collision. Active Blind Spot Assist evaluates the free space in the direction of travel and to the side before making a course-correcting brake application. For this, Active Blind Spot Assist uses the forward-facing radar sensors.

Active Blind Spot Assist supports you from a speed of approximately 30 km/h.

Important safety notes

Active Blind Spot Assist is only an aid and is not a substitute for attentive driving.

⚠ WARNING

Active Blind Spot Assist does not react to vehicles:

- overtaking too closely on the side, placing them in the blind spot area
- if the difference in the speed of approach and overtaking is too great

As a result, Active Blind Spot Assist may neither give warnings nor intervene in such situations. There is a risk of an accident.

Always pay careful attention to the traffic situation and maintain a safe distance at the side of the vehicle.

Radar sensors

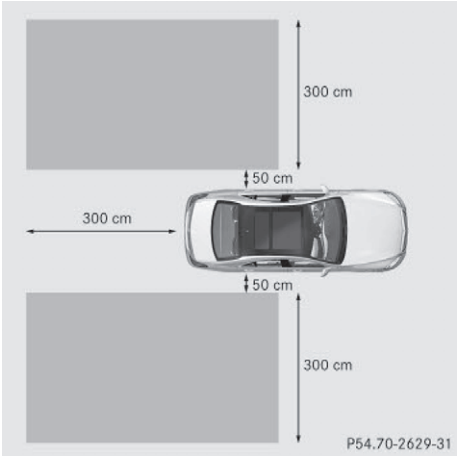
The Active Blind Spot Assist radar sensors are integrated into the front and rear bumpers and behind a cover in the radiator trim. Make sure that the bumpers and the cover in the radiator trim are free of dirt, ice or slush. The rear sensors must not be covered, e.g. by bicycle racks or overhanging loads. Following a severe impact or in the event of damage to the bumpers, have the function of the radar sensors checked at a qualified specialist workshop. Active Blind Spot Assist may otherwise no longer function properly.

Monitoring range

⚠ WARNING

Active Blind Spot Assist does not detect all traffic situations and road users. There is a risk of an accident.

Always make sure that there is sufficient distance to the side for other traffic or obstacles.



Active Blind Spot Assist monitors the area up to 3.0 m behind your vehicle and directly next to your vehicle, as shown in the diagram.

The detection of vehicles may be impaired in the case of:

- dirt on the sensors or obscured sensors
- poor visibility, e.g. due to rain, snow or spray

Vehicles in the monitoring range are then not indicated.

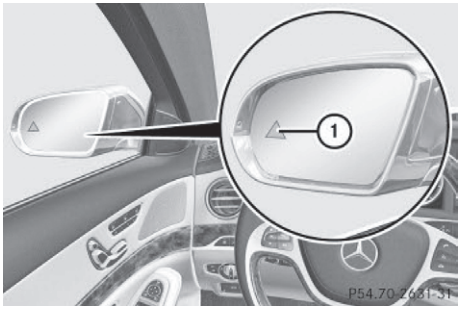
Active Blind Spot Assist may not detect narrow vehicles, such as motorcycles or bicycles, or may only detect them too late.

If the lanes are narrow, vehicles driving in the lane beyond the lane next to your vehicle may be indicated, especially if the vehicles are not driving in the middle of their lane. This may be the case if there are vehicles at the edge of their lane nearest your vehicle.

Due to the nature of the system:

- warnings may be issued in error when driving close to crash barriers or similar solid lane borders
- warnings may be interrupted when driving alongside particularly long vehicles, for example lorries, for a prolonged time

Warning display



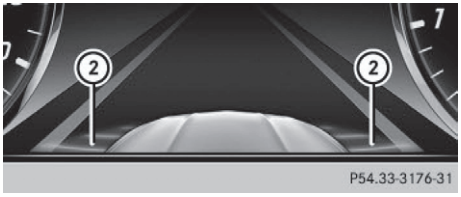
① Warning display

Active Blind Spot Assist is not operational at speeds below approximately 30 km/h. Vehicles in the monitoring range are then not indicated.

If a vehicle is detected within the monitoring range of Blind Spot Assist at speeds above 30 km/h, warning lamp ① on the corresponding side lights up red. This warning lamp always lights up when a vehicle enters the blind spot monitoring range from behind or from the side. When you overtake a vehicle, the warning only occurs if the difference in speed is less than 12 km/h.

If you select the reverse gear, Active Blind Spot Assist is not operational.

The brightness of the warning lamps is automatically adapted to the brightness of the surroundings.



When Active Blind Spot Assist is activated, grey radar waves propagating rearwards appear next to the vehicle in the assistance display in the multifunction display. Above a speed of 30 km/h, the colour of the radar waves in the assistance display changes to green ②. Active Blind Spot Assist is then ready for use.

Visual and acoustic collision warning

If you switch on the turn signals to change lanes and a vehicle is detected in the side monitoring range, you receive a visual and acoustic collision warning. You will then hear a double warning tone and red warning lamp ① flashes. If the turn signal remains on, detected vehicles are indicated by the flashing of red warning lamp ①. There are no further warning tones.

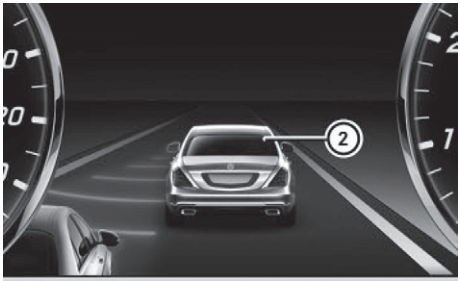
Course-correcting brake application

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.

⚠ WARNING

A course-correcting brake application cannot always prevent a collision. There is a risk of an accident.

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, red warning lamp ① flashes in the exterior mirror and a dual warning tone sounds. In addition, display ② underlining the danger of a side collision appears in the multifunction display.

In very rare cases, the system may make an inappropriate brake application. A course-correcting brake application may be interrupted at any time by countersteering slightly or accelerating.

The course-correcting brake application is available in the speed range between 30 km/h and 200 km/h.

Either a course-correcting brake application appropriate to the driving situation, or none at all, may occur if:

- there are vehicles or obstacles, e.g. crash barriers, 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 clearly brake or accelerate
- a driving safety system intervenes, such as ESP® or PRE-SAFE® Brake
- ESP® is deactivated
- a loss of tyre pressure or a defective tyre is detected

Activating Active Blind Spot Assist

▶ Make sure that Active Blind Spot Assist is activated in the on-board computer (▷ page 307).

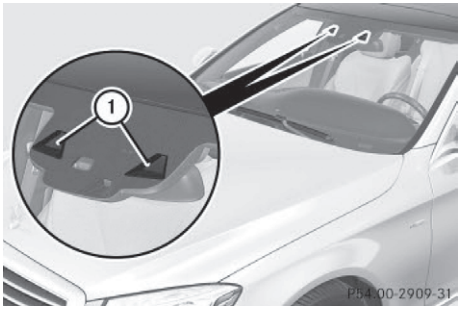
▶ Turn the key to position **2** in the ignition lock. Warning lamps ① in the exterior mirrors light up red for approximately 1.5 seconds. Grey radar waves propagating backwards appear next to the vehicle in the assistance display in the multifunction display.

Towing a trailer

If you couple up a trailer, make sure that you have correctly established the electrical connection. This can be accomplished by checking the trailer lighting. Active Blind Spot Assist is then deactivated. The `Active Blind Spot Assist not available when towing a trailer See Owner's Manual` message appears in the multifunction display.

Active Lane Keeping Assist

General notes



Active Lane Keeping Assist monitors the area in front of your vehicle by means of multifunction camera ① at the top of the windscreen. Various different areas to the front, rear and side of your vehicle are also monitored with the aid of the radar sensor system. Active Lane Keeping Assist detects lane markings on the road and can warn you before you leave your lane unintentionally. If you do not react to the warning, a lane-correcting application of the brakes can bring the vehicle back into the original lane.

This function is available within a speed range between 60 km/h and 200 km/h.

Important safety notes

If you fail to adapt your driving style, Active Lane Keeping Assist can neither reduce the risk of an accident nor override the laws of physics. Active Lane Keeping Assist cannot take account of road and weather conditions. It may not detect traffic situations. Active Lane Keeping Assist is only an aid. You are responsible for the distance to the vehicle in front, for vehicle speed, for braking in good time and for staying in lane.

Active Lane Keeping Assist cannot continuously keep your vehicle in its lane.

⚠ WARNING

Active Lane Keeping Assist cannot always clearly detect lane markings.

In such cases, Active Lane Keeping Assist can:

- give an unnecessary warning and then make a course-correcting brake application to the vehicle
- neither give a warning nor intervene

There is a risk of an accident.

Always pay particular attention to the traffic situation and keep within the lane, especially if Active Lane Keeping Assist alerts you. Terminate the intervention in a non-critical driving situation.

The system may be impaired or may not function if:

- there is poor visibility, e.g. due to insufficient illumination of the road, or due to snow, rain, fog or spray
- there is glare, e.g. from oncoming traffic, the sun or reflection from other vehicles (e.g. if the road surface is wet)
- the windscreen is dirty, misted up, damaged or covered, for instance by a sticker, in the vicinity of the camera
- the radar sensors in the front or rear bumpers or the radiator trim are dirty, e.g. obscured by snow
- no or several, unclear lane markings are present for one lane, e.g. in a construction area
- the lane markings are worn away, dark or covered up, e.g. by dirt or snow
- the distance to the vehicle in front is too small and the lane markings thus cannot be detected
- the lane markings change quickly, e.g. lanes branch off, cross one another or merge
- the road is narrow and winding
- there are highly variable shade conditions on the road

If no vehicle is detected in the adjacent lane and broken lane markings are detected, no lane-correcting brake application is made.

Warning vibration through the steering wheel

A warning may be given if a front wheel passes over a lane marking. It will warn you by means of intermittent vibration in the steering wheel for up to 1.5 seconds.

In order that you are warned only when necessary and in good time if you cross the lane marking, the system detects certain conditions and warns you accordingly.

The warning vibration occurs earlier if:

- you approach the outer lane marking on a bend
- the road has very wide lanes, e.g. a motorway
- the system detects solid lane markings

The warning vibration occurs later if:

- the road has narrow lanes
- you cut the corner on a bend

Lane-correcting brake application

If you leave your lane under certain circumstances, the vehicle will brake briefly on one side. This is intended to help you return the vehicle to the original lane.

⚠ WARNING

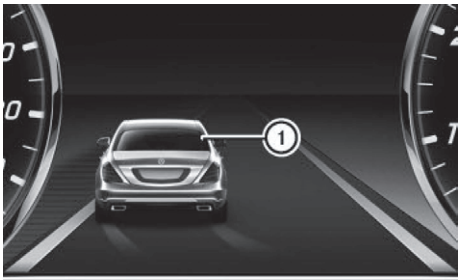
A lane-correcting brake application cannot always bring the vehicle back into the original lane. There is a risk of an accident.

Always steer, brake or accelerate yourself, especially if Active Lane Keeping Assist warns you or makes a lane-correcting brake application.

⚠ WARNING

Active Lane Keeping Assist does not detect traffic conditions or road users. In very rare cases, the system may make an inappropriate brake application, e.g. after intentionally driving over a solid lane marking. There is a risk of an accident.

An inappropriate brake application may be interrupted at any time if you steer slightly in the opposite direction. Always make sure that there is sufficient distance to the side for other traffic or obstacles.



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If a lane-correcting brake application occurs, display ① appears in the multifunction display. The brake application also slightly reduces driving speed.

A lane-correcting brake application can be made after driving over a lane marking recognised as being solid or broken. Before this, a warning must have been issued by means of intermittent vibration through the steering wheel. In addition, a lane with lane markings on both sides must be recognised.

In the case of a broken lane marking being detected, a lane-correcting brake application can only be made if a vehicle has been detected in the adjacent lane. The following vehicles can have an influence on brake application: oncoming traffic, vehicles that are overtaking and vehicles that are driving parallel to your vehicle.

ⓘ A further lane-correcting brake application can only occur after your vehicle has returned to the original lane.

No lane-correcting brake application occurs if:

- you clearly and actively steer, brake or accelerate
- you cut the corner on a sharp bend
- you have switched on the turn signal
- a driving safety system intervenes, such as ESP®, PRE-SAFE® Brake or Active Blind Spot Assist
- you have adopted a sporty driving style with high cornering speeds or high rates of acceleration
- ESP® is deactivated
- the transmission is not in position **D**
- on vehicles with a trailer tow hitch, the electrical connection to the trailer has been correctly established
- a loss of tyre pressure or a defective tyre has been detected and displayed
- an obstacle in the lane in which you are driving has been detected

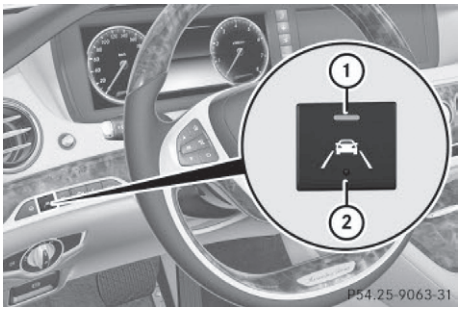
Active Lane Keeping Assist may not detect other road users or traffic situations. An inappropriate brake application may be interrupted at any time if:

- you steer slightly in the opposite direction
- you switch on the turn signal
- you clearly brake or accelerate

A lane-correcting brake application is interrupted automatically if:

- a driving safety system intervenes, such as ESP®, PRE-SAFE® Brake or Active Blind Spot Assist
- lane markings are no longer detected

Activating Active Lane Keeping Assist



▶ Press button ②.
Indicator lamp ① lights up. The Lane Keeping Assist on message appears in the multifunction display. If all conditions have been satisfied, a warning or steering intervention may be made.
If you drive at speeds above 60 km/h and lane markings are detected, the lines in the assistance graphic display (▷ page 304) are shown in green. Active Lane Keeping Assist is ready for use.

▶ **To deactivate:** press button ②.
Indicator lamp ① goes out. Active Lane Keeping Assist is deactivated. The Lane Keeping Assist off message appears in the multifunction display.

Selecting Standard or Adaptive setting

▶ In the Assistance menu on the on-board computer, select the Active Lane Keeping Assist function (▷ page 307).

▶ Select Standard or Adaptive.
When Standard is selected, no warning vibration occurs if:
- you have switched on the turn signals. In this event, the warnings are suppressed for a certain period of time.
- a driving safety system intervenes, such as ABS, BAS or ESP®.

When Adaptive is selected, no warning vibration occurs if:

- you have switched on the turn signals. In this event, the warnings are suppressed for a certain period of time.
- a driving safety system intervenes, such as ABS, BAS or ESP®.
- you accelerate hard, e.g. kickdown.
- you brake hard.
- you steer actively, e.g. swerve to avoid an obstacle or change lane quickly.
- you cut the corner on a sharp bend.

In order that you are warned only when necessary and in good time if you cross the lane marking, the system detects certain conditions and warns you accordingly.

The warning vibration occurs earlier if:

- you approach the outer lane marking on a bend
- the road has very wide lanes, e.g. a motorway
- the system detects solid lane markings

The warning vibration occurs later if:

- the road has narrow lanes
- you cut the corner on a bend

Towing a trailer

If you couple up a trailer, make sure that you have correctly established the electrical connection. This can be accomplished by checking the trailer lighting. Lane-correcting brake application does not take place when towing a trailer. Active Lane Keeping Assist is not activated and the lines in the assistance graphic are grey.

HYBRID operation

Points to remember

General notes

Hybrid technology combines a fuel efficient internal combustion engine with a powerful electric motor. The HYBRID drive system automatically selects the most efficient operating mode for every driving situation. Drive the vehicle in the usual manner.

To save fuel, the hybrid drive system switches off the combustion engine as often as possible during the journey when power output requirements are low. When power output requirements are low, the electric motor powers the vehicle. The combustion engine is automatically activated when power output requirements are high. When the vehicle is stationary, the combustion engine is usually switched off. Consequently, there is usually no engine idling as with combustion engine vehicles.

For pulling away and accelerating, the electric motor supports the internal combustion engine using the power stored in the high-voltage battery. In addition, the power is used for partially electric driving, operation of the electric coolant compressor and to support the 12 V on-board electrical system. In this way the hybrid drive system helps to reduce your vehicle's fuel consumption.

Observe the driving tips on HYBRID operation (▷ page 267).

Recuperative Brake System

If you release the accelerator pedal when the vehicle is in motion, overrun recuperation is initiated. The electric motor is operated as a alternator when in overrun mode and when you brake. Hybrid technology converts the kinetic energy of the vehicle into electricity and stores it in the high-voltage battery.

Observe the important safety notes for the Recuperative Brake System (▷ page 46).

Important safety notes

⚠ WARNING

If the engine is switched off automatically and you exit the vehicle, the engine is restarted automatically. The vehicle may begin moving. There is a risk of accident and injury.

If you wish to exit the vehicle, always turn off the ignition and secure the vehicle against rolling away.

All of the vehicle's systems remain active, if:

- the vehicle is stationary
- the combustion engine is switched off
- the READY-indicator in the instrument cluster is lit

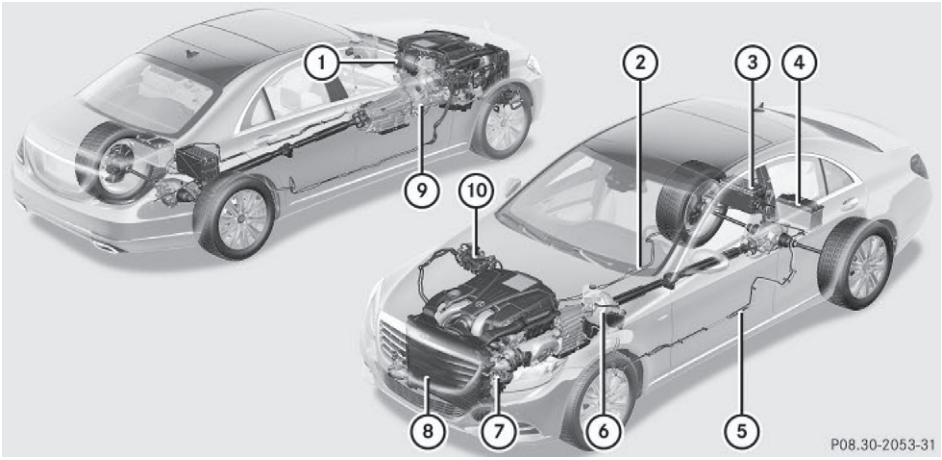
If you remove your foot from the brake pedal while in transmission position D or R, the vehicle could pull away automatically.

Observe the notes on the READY display of the ECO start/stop function (▷ page 268).

Vehicles with an electric motor generate significantly less noise than vehicles with internal combustion engines. As a result, your vehicle may not be heard by other road users in certain situations. This is the case, for example, when you are parking and your vehicle is not seen by other road users.

This requires you to adopt a particularly anticipatory driving style, as it is necessary to allow for the possibility that other road users may behave unpredictably.

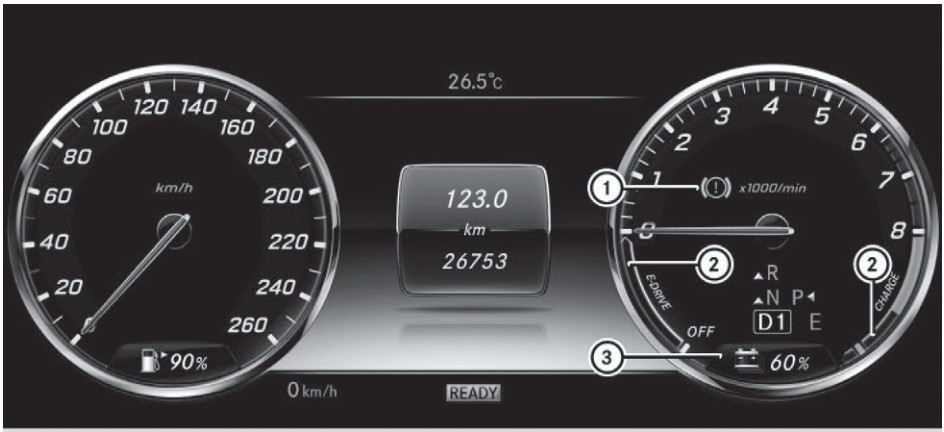
Hybrid system overview



① Electric vacuum pump
② High-voltage electrical system cables
③ High-voltage battery
④ 12 V battery
⑤ High-voltage battery cooling
⑥ Recuperative Brake System
⑦ Electric refrigerant compressor
⑧ Power electronics cooling
⑨ Transmission with electric motor
⑩ Power electronics (DC/AC converter or DC/DC converter)

You can switch off the hybrid drive system manually. Further information on the high-voltage disconnect device (▷ page 44).

Instrument cluster

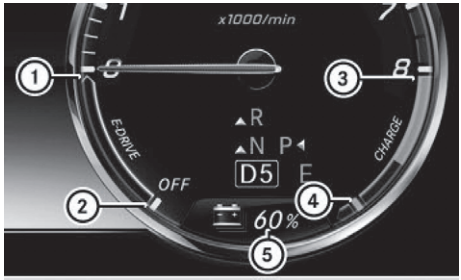


P54.33-3789-31

① Recuperative Brake System warning lamp (▷ page 353)
② Electric motor power display (▷ page 261)
③ Charge level display for high-voltage battery (▷ page 262)

Displays and operation

Electric motor power display



P54.33-3791-31

The electric motor power display is on the right-hand side of the instrument cluster.

The current charge level of the high-voltage battery is shown as a percentage in charge level display ⑤. 100% corresponds to the highest possible charge level of the high-voltage battery.

There are two further areas located to the left and right of charge level display ⑤:

- Area ① to ② (E-DRIVE):

  This shows the electric output from the electric motor, e.g. during electric operation or in boost mode.

  When the motor is switched on, the display is at lower limit ②. With increasing pressure on the accelerator pedal the display fills up from ② to ①.

  Driving with the electric motor: when the display reaches upper limit ①, the combustion engine is switched on. If the display is approaching upper limit ① and you remove your foot from the accelerator pedal, the display empties again. The combustion engine is not switched on. At low speeds, you can thereby control the electric operation usage so that you only drive in electric mode.

  Driving with the combustion engine: the electric motor supports the combustion engine by providing additional torque (boost mode) until the display reaches upper limit ①.

- Area ③ to ④ (CHARGE):

  This shows the recuperated energy which is stored in the high-voltage battery as electrical energy.

  When the display reaches lower limit ④, the maximum recuperative braking power has

been exhausted. The mechanical brakes are activated.

Operating the on-board computer

You can display the current operating condition of the hybrid drive system in the multifunction display and the multimedia system display (▷ page 262).

In the multimedia system display, you can also call up a graphic display of the fuel consumption and generated electricity (▷ page 265).

Menus and submenus

Selecting displays in the display of the multimedia system

- ▶ Press the [🚗] button on the controller. The vehicle menu appears.
- ▶ To select Energy flow: turn and press the controller. The energy flow is displayed.

or

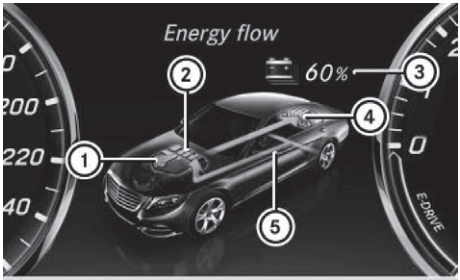
- ▶ To select Consumption: turn and press the controller. Fuel consumption and the electric energy generated are displayed.
- ▶ To exit the display: press the [↩] button on the controller.

Selecting the energy flow display in the multifunction display

- ▶ Use [⌂] on the steering wheel to call up the list of menus.
- ▶ Press the [▼] or [▲] button on the steering wheel to select the Trip menu.
- ▶ Confirm by pressing [OK] on the steering wheel.
- ▶ Select Energy flow with [▼] or [▲]. The active hybrid components are highlighted in the energy flow display.

Energy flow display

Overview



P54.33-3792-31

① Internal combustion engine
② Electric motor
③ Charge status of the high-voltage battery
④ High-voltage battery
⑤ Energy flow

The active hybrid components are highlighted.

The energy flow is indicated by arrows. The arrows have a different colour depending on the operating state.

Automatic engine switch-off



P54.33-3793-31

The internal combustion engine and the electric motor are switched off.

The arrows for the energy flow are not shown.

The charge status of the high-voltage battery is shown when the key is in position **2** in the ignition lock.

Engine running while the vehicle is stationary



P54.33-3794-31

The combustion engine is running while the vehicle is stationary. The high-voltage battery is not being charged.

The arrows for the energy flow are not shown. The combustion engine is highlighted.

Charging while the vehicle is stationary



P54.33-3795-31

The internal combustion engine drives the electric motor. The electric motor is operating as an alternator. The high-voltage battery is charging.

The arrow representing energy flow is shown in white.

Driving using the internal combustion engine

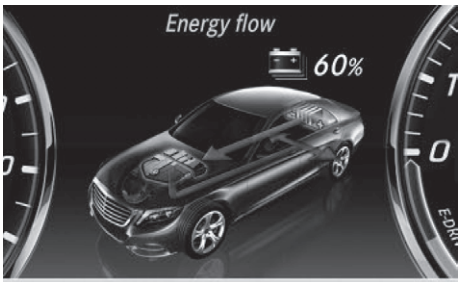


P54.33-3796-31

The internal combustion engine powers the vehicle.

The arrows for the energy flow are shown in white.

Driving using the internal combustion engine and boost mode

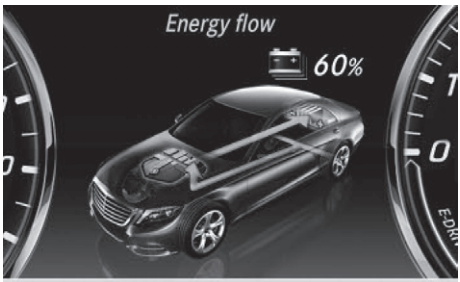


P54.33-3797-31

If you rapidly depress the accelerator, the electric motor supports the internal combustion engine by providing additional torque.

The arrows for the energy flow are shown in red.

Driving using the internal combustion engine and energy recuperation



P54.33-3798-31

The internal combustion engine powers the vehicle. The electric motor is being operated as an alternator, e.g. in overrun mode and when braking (▷ page 268). The kinetic energy of the vehicle is converted into electrical energy. The high-voltage battery is charging.

The arrows for the energy flow are shown in green.

Driving using the internal combustion engine and charging the high-voltage battery



P54.33-3799-31

The internal combustion engine powers the vehicle. The internal combustion engine also drives the electric motor. The electric motor is operating as an alternator. The high-voltage battery is charging.

The arrows for the energy flow are shown in white.

Driving using the internal combustion engine and discharging the high-voltage battery



P54.33-3800-31

The internal combustion engine powers the vehicle. If the vehicle is approaching a downhill gradient with a high potential for energy recuperation, the charge status of the high-voltage battery is intentionally kept low or intentionally reduced.

The arrows for the energy flow are shown in white.

Further information on the route-based operating strategy (▷ page 269).

Electric operation mode



P54.33-3801-31

The electric motor powers the vehicle. The high-voltage battery supplies the electric motor with electrical energy.

The arrows for the energy flow are shown in green.

Electric operation mode and charging the high-voltage battery



P54.33-3802-31

The electric motor is being operated as an alternator, e.g. in overrun mode and when braking (▷ page 268). The kinetic energy of the vehicle is converted into electrical energy. The high-voltage battery is charging.

The arrows for the energy flow are shown in green.

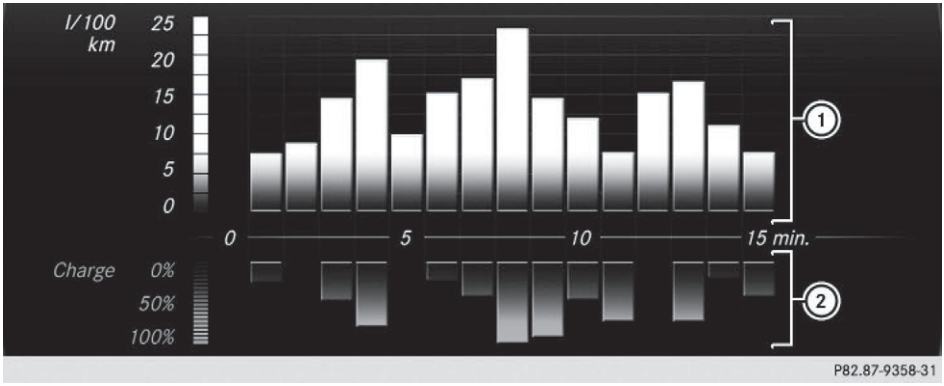
Displaying the total range



The approximate range is based on the current driving style.

- ▶ Use ⌂ on the steering wheel to call up the list of menus.
- ▶ Press the ▼ or ▲ button on the steering wheel to select the Trip menu.
- ▶ Confirm by pressing OK on the steering wheel.
- ▶ Press ▼ or ▲ to select the approximate total range.

Displaying fuel consumption and generated electrical energy



① Fuel consumption
② Electrical energy generated

Every bar of the graph displays the average value for one minute.

Fuel consumption indicator ① may differ from the indicator in the From start trip computer in the Trip menu.

To reset the values: the values are reset along with the From start trip computer (▷ page 297).

- ▶ To select Consumption: turn and press the controller.
  Fuel consumption ① and electrical energy generated ② for the last 15 minutes are shown in the multimedia system display.

Starting the vehicle

READY indicator



- ▶ Switch the ignition on.
- ▶ Depress the brake pedal.
- ▶ Observe the notes on starting the engine (▷ page 177).
- ▶ Start the combustion engine (▷ page 177). The vehicle is operational when READY indicator ① lights up.

Noiseless start

The vehicle starts in electric mode without the internal combustion engine. The internal combustion engine starts only after the power demanded by the driver exceeds the available power that the electric motor can currently provide.

Noiseless start operation is dependent on the outside temperature and the operating temperature of the internal combustion engine.

The vehicle is operational when READY indicator ① lights up.

Pulling away

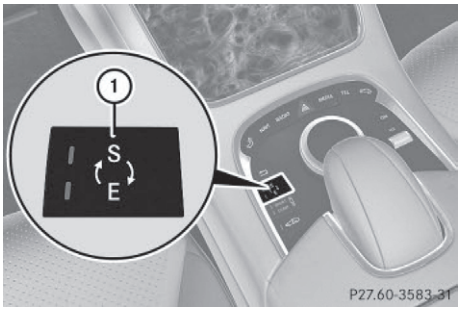
- ▶ Depress the brake pedal and keep it depressed.
- ▶ Shift the transmission to position **D** or **R**.
- ▶ If the `Apply brake to deselect Park (P) position` display message appears in the multifunction display, depress the brake pedal more firmly and select the desired transmission position.
- ▶ Release the brake pedal.
- ▶ Carefully depress the accelerator pedal.

For further information on pulling away (▷ page 178).

Driving

Program selector button

Automatic drive programs E and S



- ▶ Press program selector button ① to change the drive program. The selected drive program appears in the multifunction display.

The program selector button allows you to choose between different driving characteristics.

E Economy	• Comfortable, economical driving • Electric operation mode is used as often as possible • The ECO start/stop function is available
S Sport	• Sporty driving style with boost mode • Electric-only operation is not possible • The ECO start/stop function is not available

Further information on the automatic drive program (▷ page 187).

Manual drive program

In addition to automatic drive programs **E** and **S**, you can switch to manual drive program **M** using the steering wheel gearshift paddles.

In manual drive program **M**, you can briefly change gear yourself by using the steering wheel gearshift paddles. The transmission must be in position **D**. Electric-only operation is not possible in manual drive program **M**.

Activating when driving with the electric motor:

▶ Pull the left-hand steering wheel gearshift paddle (▷ page 187).
The combustion engine is switched on. Manual drive program **M** is temporarily activated. The selected gear and **M** appear in the multifunction display.

Pulling on the right-hand steering wheel gearshift paddle when manual drive program **M** is not active switches to overrun mode (▷ page 268).

Activating when driving with the combustion engine:

▶ Pull the left-hand steering wheel gearshift paddle (▷ page 187).
Manual drive program **M** is temporarily activated. The selected gear and **M** appear in the multifunction display.

The ECO start/stop function is not available in manual drive program **M**.

Driving tips

General driving tips

Drive carefully and maintain a suitable distance from the vehicle in front. Avoid frequent and sudden acceleration as well as abrupt braking.

During partial electric drive, pulling away and acceleration, the electric motor supports the internal combustion engine.

During overrun in transmission position **D** and braking, the electric motor operates as an alternator.

Further information on the ECO start/stop function (▷ page 268).

Additional driving tips (▷ page 208).

Stationary vehicle

If the vehicle is stopped, the combustion engine is, for the most part, switched off. Automatic climate control continues to function. The electro-mechanically assisted steering gear allows use of the power steering without loss of comfort.

Acceleration

Depending on the operating mode, pulling away and driving under low load conditions are performed:

- entirely by electric propulsion
- in combination with the internal combustion engine

When accelerating at an increased or full load, boost mode is utilised. The electric motor supports the internal combustion engine by providing additional torque when the accelerator is depressed rapidly.

Overrun mode or braking

There are three possible operating modes when the hybrid vehicle is decelerating:

- When coasting and decelerating, energy recuperation is already taking place (▷ page 259). The electric motor functions as an alternator and stores the recuperated energy in the high-voltage battery.
- When braking gently, the electric motor increases the deceleration of the vehicle. Energy recuperation is increased (▷ page 259). The electric motor functions as an alternator and stores the recuperated energy in the high-voltage battery.
- During heavy braking, the service brake is also used to slow down the vehicle. Both systems work together.

Driving in the city

Energy is recuperated during frequent deceleration and stopping in city traffic.

The vehicle can be driven by the electric motor alone up to a speed of approximately 35 km/h in situations such as the following:

- while approaching a traffic light
- in stop-and-start traffic

The vehicle is driven by the electric motor alone only when all conditions for the automatic engine switch-off are fulfilled.

Further information on the automatic engine switch-off (▷ page 268).

Driving on inter-urban roads

Three phases are possible when driving on inter-urban roads:

- rapid acceleration (boost mode)
- constant energy consumption
- energy recuperation

Depending on the characteristics of the route, there may be a lot of recuperated energy available. This reduces consumption and emissions.

Driving on the motorway

When driving on a motorway, the decrease in wasted power has a particularly positive effect on fuel consumption and emissions.

Manoeuvring and turning

The hybrid drive system makes it possible to manoeuvre and turn solely using the electric motor.

ECO start/stop function

General notes

The ECO start/stop function switches the internal combustion engine off automatically when the vehicle stops moving and at high speeds (▷ page 268).

All vehicle systems remain active, e.g. the automatic climate control.

The ECO start/stop function is only available in drive program **E**. Electric-only operation is only possible in drive program **E**. For further information on drive program **E**, see (▷ page 266).

Automatic engine switch-off

The internal combustion engine is switched off automatically if:

- the driver removes his or her foot from the accelerator pedal and a speed of 140 km/h is not exceeded (▷ page 268)
- the internal combustion engine has reached its operating temperature
- the driver's seat belt is fastened and the driver's door is closed
- the driver only slightly depresses the accelerator pedal in order to, for example, maintain the current speed for a limited distance
- the bonnet is closed and engaged properly
- the high-voltage battery is charged sufficiently
- no malfunctions are present in the hybrid drive system

The internal combustion engine will not be switched off automatically, if:

- the self-diagnosis function of the engine control unit is still active
- there is a malfunction in the hybrid drive system
- the climate control of the vehicle requires it
- the high-voltage battery is being charged (▷ page 263)
- automatic emissions tests are running

Automatic engine start

The internal combustion engine, which has been automatically switched-off, starts automatically in certain situations, when:

- the power demand from the driver via the accelerator pedal is greater than the electric motor alone can provide
- the driver switches to drive program **S** or **M**
- the charge level of the high-voltage battery has reached the lower limit
- the settings of the automatic climate control require it, e.g. at external temperatures above 30 °C

Overrun mode

Overrun mode is available in the speed range below 140 km/h.

The combustion engine is switched off and is disconnected from the drive train.

The electric motor:

- generates low power, which corresponds to the overrun mode of an active combustion engine
- functions as an alternator and produces the necessary energy for the auxiliary consumers and charges the high-voltage battery

Extended overrun mode

Overrun mode allows you to increase the vehicle range.

When the vehicle is in overrun mode:

▶ Pull the right-hand steering wheel gearshift paddle.
Energy recuperation is reduced to the minimal amount of energy required.

You can see the reduction in energy recuperation in the electric motor CHARGE display (▷ page 261).

The extended overrun mode will be deactivated again if:

- the combustion engine starts
- you depress the brake pedal

Route-based operating strategy

For the route-based operating strategy, the system factors in information on up to seven kilometres of the expected route.

If route guidance is active, it is more likely that the maximum route of seven kilometres will be taken into account. Further information on route settings can be found in the separate multimedia system operating instructions.

The information on the route is provided by the multimedia system and includes the following information:

- data on downhill gradients
- speed limitations
- likely turn-off points

The charge status of the high-voltage battery is intentionally kept low or intentionally reduced if:

- the vehicle is approaching a downhill gradient with a high potential for energy recuperation
- you depress the accelerator pedal and
- drive program **E** is selected

By this means, the electric motor consumes more stored energy for traction and in turn allows as much braking energy as possible to be recuperated on the downhill stretch. The recovered energy is then stored in the high-voltage battery.

When the route-based operating strategy is being used, the area in front of the vehicle is shown as green in the multifunction display.

Parking

▶ Apply the electric parking brake.
The red (P) indicator lamp in the instrument cluster lights up.

▶ Use the DIRECT SELECT lever to shift the automatic transmission to **P**.

▶ Switch the ignition off.
The READY indicator in the instrument cluster goes out.

Further information on parking and switching off the internal combustion engine (▷ page 205).

Hybrid mode problems

Internal combustion engine

Problem	Possible causes/consequences and ▶ Solutions
You cannot start the internal combustion engine. The multifunction display shows no display messages. The READY indicator in the multifunction display is off.	For example, self-diagnosis is not yet complete or the hybrid drive system is malfunctioning. ▶ Switch off the ignition and turn it back on. ▶ Try to start the internal combustion engine again. If the internal combustion engine still does not start: ▶ Consult a qualified specialist workshop.
You wish to pull away, but the ECO start/stop function does not start the internal combustion engine. The READY indicator in the multifunction display is off.	The ECO start/stop function has failed. The warning and indicator lamps in the instrument cluster light up. ▶ Shift the transmission to **P**. ▶ Switch off the ignition and turn it back on. ▶ Start the engine.
	The hybrid drive system is faulty. ▶ Consult a qualified specialist workshop.

Recuperative Brake System

Problem	Possible causes/consequences and ▶ Solutions
Braking resistance is reduced and brake pedal travel is greater than usual.	⚠ **Risk of accident** The Recuperative Brake System is malfunctioning. ▶ Observe the additional display messages in the multifunction display (▷ page 312). ▶ Observe the information regarding indicator and warning lamps in the instrument cluster (▷ page 353) .

Hybrid drive system

Problem	Possible causes/consequences and ▶ Solutions
The hybrid drive system has been switched off automatically.	You have been in an accident. The hybrid drive system remains switched off if: • the internal combustion engine cannot be restarted after a few seconds. • the red restraint system warning lamp in the instrument cluster is lit. ▶ Consult a qualified specialist workshop.
The hybrid drive system has been switched off automatically. The multifunction display also shows a display message.	An electrical short circuit has occurred in the hybrid drive system or an electrical connection has been disconnected. ▶ Observe the additional display messages in the multifunction display (▷ page 312). ▶ Consult a qualified specialist workshop.

PLUG-IN HYBRID operation

Points to remember

General notes

Hybrid technology combines a fuel efficient internal combustion engine with a powerful electric motor. In **HYBRID** mode, the hybrid drive system automatically selects the most efficient operating mode for every driving situation. Drive the vehicle in the usual manner.

To save fuel in **HYBRID** mode, the hybrid drive system switches off the combustion engine as often as possible during the journey when power output requirements are low. When power output requirements are low, the electric motor powers the vehicle. The combustion engine is automatically activated when power output requirements are high. When the vehicle is stationary, the combustion engine is usually switched off. Consequently, there is usually no engine idling as with combustion engine vehicles.

For pulling away and accelerating, the electric motor supports the internal combustion engine using the power stored in the high-voltage battery. In addition, the power is used for partially electric driving, operation of the electric coolant compressor and to support the 12 V on-board electrical system. In this way the hybrid drive system helps to reduce your vehicle's fuel consumption.

Observe the driving tips on plug-in hybrid operation (▷ page 282).

Recuperative Brake System

If you release the accelerator pedal when the vehicle is in motion, overrun recuperation is initiated. The electric motor is operated as a alternator when in overrun mode and when you brake. Hybrid technology converts the kinetic energy of the vehicle into electricity and stores it in the high-voltage battery.

Observe the important safety notes for the Recuperative Brake System (▷ page 46).

Important safety notes

If the engine is switched off by the ECO start/stop function and you open the driver's door:

- a message appears in the multifunction display and
- a warning tone sounds

For further information, see (▷ page 335).

All of the vehicle's systems remain active, if:

- the vehicle is stationary
- the combustion engine is switched off
- the READY-indicator in the instrument cluster is lit

If you remove your foot from the brake pedal while in transmission position D or R, the vehicle could pull away automatically.

Observe the notes on the READY display of the ECO start/stop function (▷ page 283).

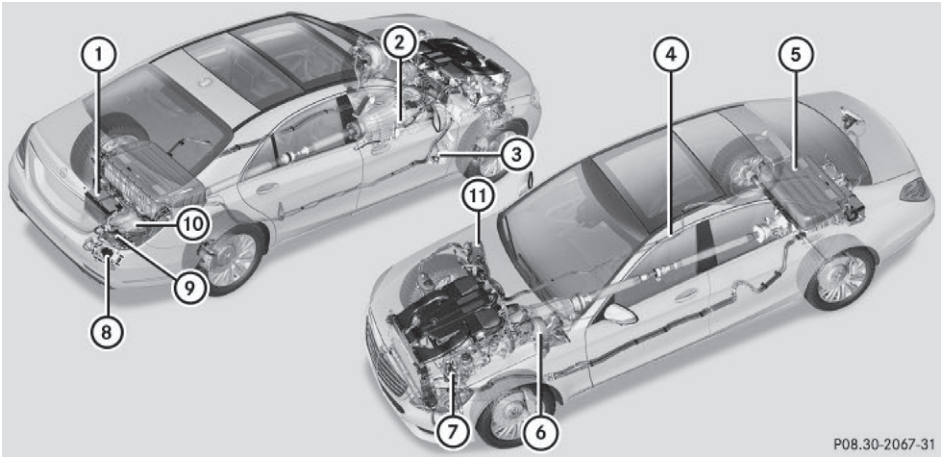
Vehicles with an electric motor generate significantly less noise than vehicles with internal combustion engines. As a result, your vehicle may not be heard by other road users in certain situations.

Depending on the vehicle's equipment and country-specific regulations, the vehicle can be fitted with Acoustic Vehicle Indication.

Acoustic Vehicle Indication generates a certain sound at a speed between 0 and 30 km/h. This helps other road users, particularly pedestrians and cyclists, to hear your vehicle better. The sound can also be heard inside the vehicle.

The volume depends on the engine speed. The faster you accelerate, the louder the sound is. At a speed of over 30 km/h the sound is switched off. Above this speed, the natural sounds from the vehicle are sufficient that it can be heard in good time by other road users.

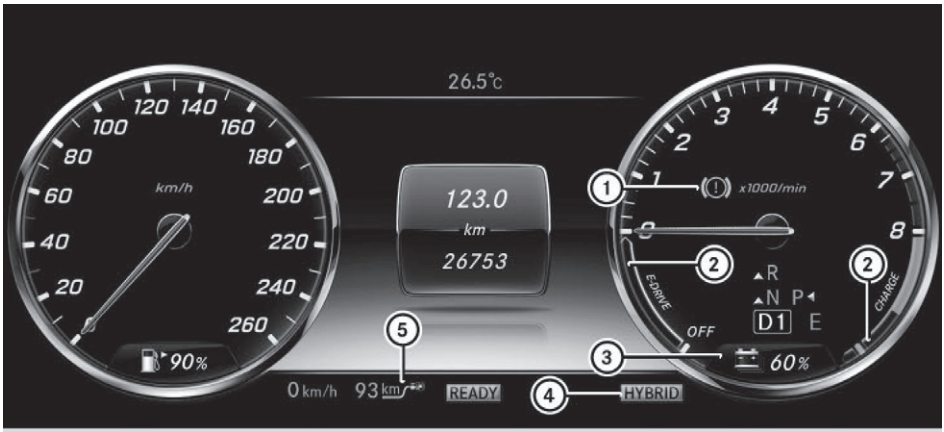
Hybrid system overview



① 12 V battery
② Transmission with electric motor
③ Electric heater
④ High-voltage electrical system cables
⑤ High-voltage battery
⑥ Recuperative Brake System
⑦ Electric refrigerant compressor
⑧ Vehicle socket
⑨ Charger
⑩ Voltage transformer
⑪ Power electronics

You can switch off the hybrid drive system manually. Further information on the high-voltage disconnect device (▷ page 44).

Instrument cluster

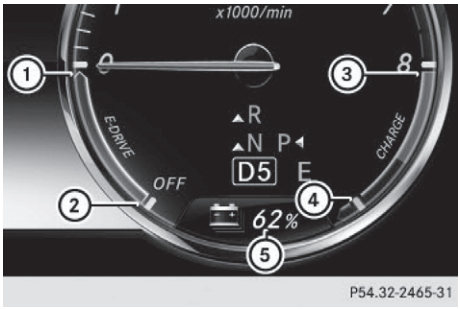


P54.33-3790-31

① Recuperative Brake System warning lamp (▷ page 353)
② Electric motor power display (▷ page 273)
③ Charge level display for high-voltage battery (▷ page 276)
④ Driving mode display (▷ page 274)
⑤ Electric range

Displays and operation

Electric motor power display



P54.32-2465-31

The electric motor power display is on the right-hand side of the instrument cluster.

The current charge level of the high-voltage battery is shown as a percentage in charge level display ⑤. 100% corresponds to the highest possible charge level of the high-voltage battery.

There are two further areas located to the left and right of charge level display ⑤:

- Area ① to ② (E-DRIVE):

This shows the electric output from the electric motor, e.g. during electric operation or in boost mode.

When the motor is switched on, the display is at lower limit ②. With increasing pressure on the accelerator pedal the display fills up from ② to ①.

Driving with the electric motor: when the display reaches upper limit ①, the combustion engine is switched on. If the display is approaching upper limit ① and you remove your foot from the accelerator pedal, the display empties again. The combustion engine is not switched on. At low speeds, you can thereby control the electric operation usage so that you only drive in electric mode.

Driving with the combustion engine: the electric motor supports the combustion engine by providing additional torque (boost mode) until the display reaches upper limit ①.

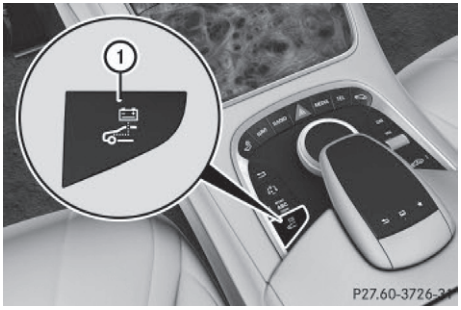
You can also select the operating mode of the hybrid drive system (▷ page 274).

- Area ③ to ④ (CHARGE):

This shows the recuperated energy which is stored in the high-voltage battery as electrical energy.

When the display reaches lower limit ④, the maximum recuperative braking power has been exhausted. The mechanical brakes are activated.

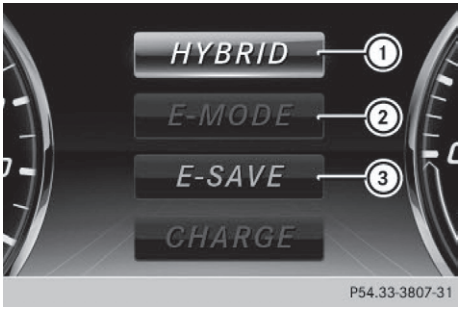
Selecting the operating mode



Button ① allows you to choose between different operating modes.

▶ Press button ① to change the operating mode.
The operating mode selected appears in the instrument cluster (▷ page 273).

If it is not possible to change operating modes, the display message Change the current drive program before changing the operating mode or Exit manual drive program M before changing the operating mode appears in the multifunction display. Further information on "Display messages" (▷ page 335).



① Operating mode selected
② Operating mode unavailable
③ Operating mode available

HYBRID	• Electric operation mode or driving with the internal combustion engine is possible • Automatic selection of drive mode with electric operation mode as often as possible • The high-voltage battery is discharged to approximately 20% • To subsequently maintain the charge status of the high-voltage battery, the electric output is reduced. All vehicle functions such as electric operation mode, energy recuperation or boost mode, for example, are still available
E-MODE	• Electric-only operation mode up to the output limit of the electric motor • Electrical power output allotted using the haptic accelerator pedal (▷ page 281) • Internal combustion engine activation using the haptic accelerator pedal • The power meter is shown on the right-hand side of the instrument cluster (▷ page 275).

E-SAVE	• Electric operation mode or driving with the internal combustion engine is possible • Automatic selection of drive mode with electric operation mode as often as possible • The current charge status of the high-voltage battery is maintained so the electrical energy can be used at a later time
CHARGE	• Electric operation mode is not possible • The high-voltage battery is charging while driving with the combustion engine

In automatic drive program **S** (▷ page 280) and in manual drive program **M** (▷ page 281), only **HYBRID** operating mode is available.

If you switch from automatic drive program **S** to automatic drive program **E** or **E+**, **HYBRID** operating mode continues to be selected.

If manual drive program **M** is deactivated, the automatic transmission shifts:

- into the automatic drive program that was last selected
- into the driving mode that was last selected

Each time the engine is started, **HYBRID** mode is automatically selected.

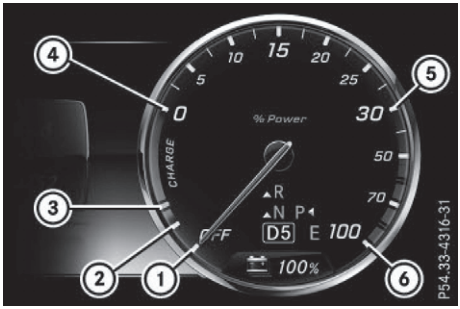
Power meter

The power meter supports you in electric mode and displays the output obtained.

If you select electric mode **E-MODE**, the instrument cluster will display the power meter instead of the rev counter.

ⓘ The rev counter appears again if:

- you select **HYBRID**, **E-SAVE** or **CHARGE**
- the current charge status of the high-voltage battery is too low to drive the vehicle in electric mode **E-MODE**.



The power meter is divided into the following areas:

- Limit ① (OFF):
  If the needle reaches limit ①, the electric motor and the combustion engine are switched off.
- Area ② to ④ (CHARGE):
  This shows the recuperated energy which is stored in the high-voltage battery as electrical energy.
  The more recuperated energy the high-voltage battery has, the further needle ④ travels in direction ③. When the needle reaches limit ③, the maximum amount of recuperative braking power has been reached.
  In addition to the recuperative braking power, the mechanical brakes are activated in the area between ② and ③.
- Output range of electric motor: ④ to ⑤:
  The electric output of the electric motor is displayed here. When the power meter needle reaches position ④, the electric motor is operational. With increasing pressure on the accelerator pedal, the needle moves towards ⑤.
  The output limit of the electric motor ⑤ can be felt via the additional pressure point in the haptic accelerator pedal.
  If you do not press the haptic accelerator pedal beyond the pressure point, you can control electric operation, at low speeds, to only drive in electric mode.
- Output range of combustion engine: ⑤ to ⑥:
  The output of the combustion engine and the electric motor is displayed here. When the power meter needle reaches position ⑤ and you press the haptic accelerator pedal beyond the pressure point, then the combustion engine is switched on.

The electric motor supports the combustion engine by providing additional torque when:

- the needle has exceeded area ⑤
- you press the haptic accelerator pedal beyond the pressure point and want to obtain more power

Operating the on-board computer

You can display the current operating condition of the hybrid drive system in the multifunction display and the multimedia system display (▷ page 276).

In the multimedia system display, you can also call up a graphic display of the fuel consumption and generated electricity (▷ page 279).

Menus and submenus

Selecting displays in the display of the multimedia system

▶ Press the button on the controller. The vehicle menu appears.

▶ To select Energy flow: turn and press the controller. The energy flow is displayed.

or

▶ To select Consumption: turn and press the controller. Fuel consumption and the electric energy generated are displayed.

▶ To exit the display: press the button on the controller.

Selecting the energy flow display in the multifunction display

▶ Use on the steering wheel to call up the list of menus.

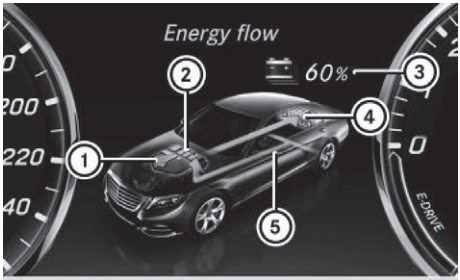
▶ Press the ▼ or ▲ button on the steering wheel to select the Trip menu.

▶ Confirm by pressing OK on the steering wheel.

▶ Select Energy flow with ▼ or ▲. The active hybrid components are highlighted in the energy flow display.

Energy flow display

Overview



① Internal combustion engine
② Electric motor
③ Charge status of the high-voltage battery
④ High-voltage battery
⑤ Energy flow

The active hybrid components are highlighted.

The energy flow is indicated by arrows. The arrows have a different colour depending on the operating state.

Automatic engine switch-off



The internal combustion engine and the electric motor are switched off.

The arrows for the energy flow are not shown.

The charge status of the high-voltage battery is shown when the key is in position **2** in the ignition lock.

Engine running while the vehicle is stationary



P54.33-3794-31

The combustion engine is running while the vehicle is stationary. The high-voltage battery is not being charged.

The arrows for the energy flow are not shown. The combustion engine is highlighted.

Charging while the vehicle is stationary



P54.33-3795-31

The internal combustion engine drives the electric motor. The electric motor is operating as an alternator. The high-voltage battery is charging.

The arrow representing energy flow is shown in white.

Driving using the internal combustion engine

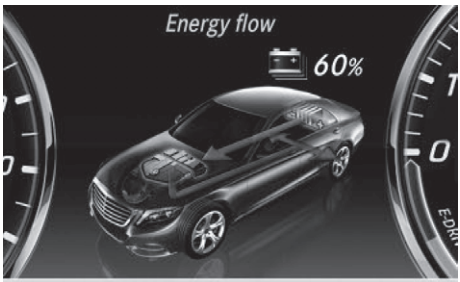


P54.33-3796-31

The internal combustion engine powers the vehicle.

The arrows for the energy flow are shown in white.

Driving using the internal combustion engine and boost mode



P54.33-3797-31

If you rapidly depress the accelerator, the electric motor supports the internal combustion engine by providing additional torque.

The arrows for the energy flow are shown in red.

Driving using the internal combustion engine and energy recuperation



P54.33-3798-31

The internal combustion engine powers the vehicle. The electric motor is being operated as an alternator, e.g. in overrun mode and when braking (▷ page 283). The kinetic energy of the vehicle is converted into electrical energy. The high-voltage battery is charging.

The arrows for the energy flow are shown in green.

Driving using the internal combustion engine and charging the high-voltage battery



P54.33-3799-31

The internal combustion engine powers the vehicle. The internal combustion engine also drives the electric motor. The electric motor is operating as an alternator. The high-voltage battery is charging.

The arrows for the energy flow are shown in white.

Driving using the internal combustion engine and discharging the high-voltage battery



P54.33-3800-31

The internal combustion engine powers the vehicle. If the vehicle is approaching a downhill gradient with a high potential for energy recuperation, the charge status of the high-voltage battery is intentionally kept low or intentionally reduced.

The arrows for the energy flow are shown in white.

Further information on the route-based operating strategy (▷ page 283).

Electric operation mode



P54.33-3801-31

The electric motor powers the vehicle. The high-voltage battery supplies the electric motor with electrical energy.

The arrows for the energy flow are shown in green.

Electric operation mode and charging the high-voltage battery



P54.33-3802-31

The electric motor is being operated as an alternator, e.g. in overrun mode and when braking (▷ page 283). The kinetic energy of the vehicle is converted into electrical energy. The high-voltage battery is charging.

The arrows for the energy flow are shown in green.

Charging the high-voltage battery when stationary



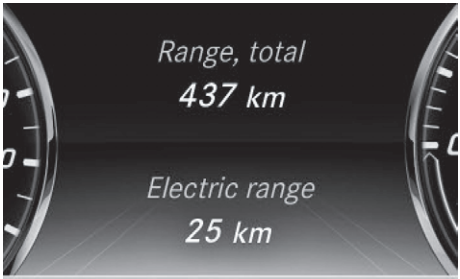
The internal combustion engine and the electric motor are switched off.

The arrows for the energy flow are not shown.

Further information on charging the high-voltage battery via:

- a mains socket (▷ page 198)
- a charging station (▷ page 203)
- a wallbox (▷ page 202)

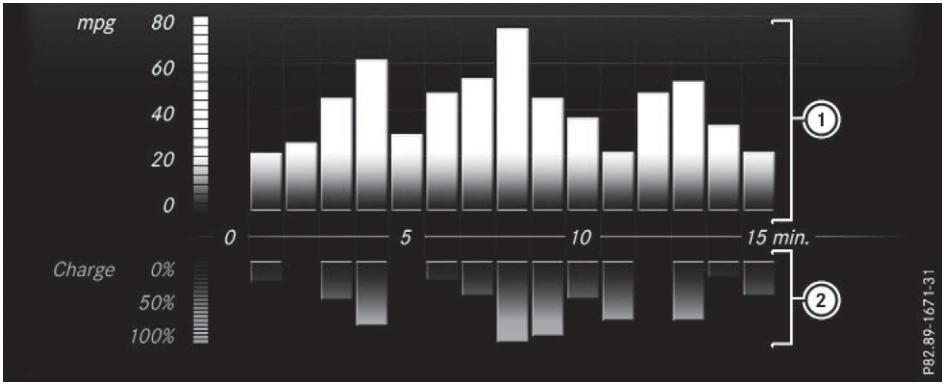
Displaying the total range and electrical range



The approximate range is based on the current driving style.

- ▶ Use [⌂] on the steering wheel to call up the list of menus.
- ▶ Press the [▼] or [▲] button on the steering wheel to select the Trip menu.
- ▶ Confirm by pressing [OK] on the steering wheel.
- ▶ Press [▼] or [▲] to select the approximate total range and electrical range.

Displaying fuel consumption and generated electrical energy



① Fuel consumption
② Electrical energy generated

Every bar of the graph displays the average value for one minute.

Fuel consumption indicator ① may differ from the indicator in the From start trip computer in the Trip menu.

To reset the values: the values are reset along with the From start trip computer (▷ page 297).

▶ To select Consumption: turn and press the controller.
Fuel consumption ① and electrical energy generated ② for the last 15 minutes are shown in the COMAND display.

Starting the vehicle

The vehicle starts in electric mode without the internal combustion engine (noiseless start). The internal combustion engine starts only after the power demanded by the driver exceeds the available power that the electric motor can currently provide.

Noiseless start operation is dependent on the outside temperature and the operating temperature of the internal combustion engine. If not all conditions for noiseless start operation are fulfilled, the vehicle starts with the internal combustion engine.



▶ Switch the ignition on.
▶ Depress the brake pedal.
▶ Follow the starting instructions (▷ page 177).
▶ Start the vehicle (▷ page 177).
The vehicle is operational when READY indicator ① lights up.

Pulling away

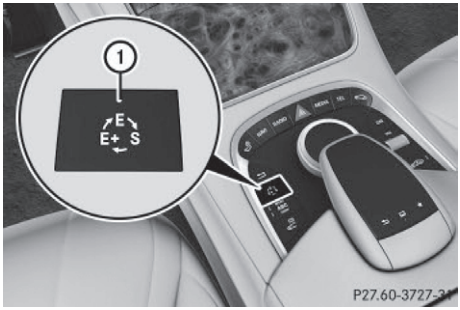
▶ Depress the brake pedal and keep it depressed.
▶ Shift the transmission to position **D** or **R**.
▶ If the Apply brake to deselect Park (P) position display message appears in the multifunction display, depress the brake pedal more firmly and select the desired transmission position.
▶ Release the brake pedal.
▶ Carefully depress the accelerator pedal.

Further information on pulling away (▷ page 178).

Driving

Program selector button

Automatic drive programs E, S and E+



▶ Press program selector button ① to change the drive program.
The selected drive program appears in the multifunction display.

The program selector button allows you to choose between different driving characteristics.

E Economy	• Comfortable, economical driving • Electric operation mode is used as often as possible • The ECO start/stop function is available
S Sport	• Sporty driving style with boost mode • The internal combustion engine is always switched on
E+ Economy Plus	• Comfortable, economical driving • Electric operation mode is used as often as possible • The ECO start/stop function is available • Double pulses in the haptic accelerator pedal, as an indication to release the accelerator pedal (▷ page 281) • After the accelerator pedal has been released, the coasting characteristics of the vehicle are adapted to the traffic conditions

Further information on the automatic drive program (▷ page 187).

Manual drive program

In addition to automatic drive programs **E** and **S**, you can switch to manual drive program **M** using the steering wheel gearshift paddles.

In manual drive program **M**, you can briefly change gear yourself by using the steering wheel gearshift paddles. The transmission must be in position **D**. In manual drive program **M** the internal combustion engine is always switched on.

Activating when driving with the electric motor:

▶ Pull the left or right steering wheel gearshift paddle (▷ page 187).
The combustion engine is switched on. Manual drive program **M** is temporarily activated. The selected gear and **M** appear in the multifunction display.

Activating when driving with the combustion engine:

▶ Pull the left or right steering wheel gearshift paddle (▷ page 187).
Manual drive program **M** is temporarily activated. The selected gear and **M** appear in the multifunction display.

The ECO start/stop function is not available in manual drive program **M**.

Haptic accelerator pedal

General notes

The haptic accelerator pedal helps you to reduce the fuel consumption and emissions of your vehicle.

There are two different functions available for this purpose:

- an additional point of resistance in **E-MODE** operating mode (▷ page 274)
- a double impulse in **E+** operating mode (▷ page 280)

Additional point of resistance in the haptic accelerator pedal

The maximum available electric performance is indicated by a tangible point of resistance in the haptic accelerator pedal.

The additional point of resistance is available in **E-MODE** operating mode (▷ page 274).

If you depress the haptic accelerator pedal beyond the pressure point, the combustion engine is switched on.

Double pulses in the haptic accelerator pedal

A noticeable double pulse in the haptic accelerator pedal is a recommendation that you should release the accelerator pedal. The combustion engine can switch off and be disconnected from the drive train (overrun mode).

The double pulse is available in drive program **E+** (▷ page 280).

After the accelerator pedal has been released, the coasting characteristics of the vehicle are adapted to the traffic conditions

To avoid getting too close to the vehicle in front, you must apply the brakes manually when necessary.

Driving tips

General driving tips

Drive carefully and maintain a suitable distance from the vehicle in front. Avoid frequent and sudden acceleration as well as abrupt braking.

During partial electric drive, pulling away and acceleration, the electric motor supports the internal combustion engine.

During overrun in transmission position **D** and braking, the electric motor operates as an alternator.

Further information on the ECO start/stop function (▷ page 283).

Additional driving tips (▷ page 208).

Stationary vehicle

If the vehicle is stopped, the combustion engine is, for the most part, switched off. Automatic climate control continues to function. The electro-mechanically assisted steering gear allows use of the power steering without loss of comfort.

Acceleration

Depending on the operating mode, pulling away and driving under low load conditions are performed:

- entirely by electric propulsion
- in combination with the internal combustion engine

When accelerating at an increased or full load, boost mode is utilised. The electric motor supports the internal combustion engine by providing additional torque when the accelerator is depressed rapidly.

Overrun mode or braking

There are three possible operating modes when the hybrid vehicle is decelerating:

- When coasting and decelerating, energy recuperation is already taking place (▷ page 271). The electric motor functions as an alternator and stores the recuperated energy in the high-voltage battery.
- When braking gently, the electric motor increases the deceleration of the vehicle. Energy recuperation is increased (▷ page 271). The electric motor functions as an alternator and stores the recuperated energy in the high-voltage battery.
- During heavy braking, the service brake is also used to slow down the vehicle. Both systems work together.

Driving in the city

Energy is recuperated during frequent deceleration and stopping in city traffic.

The vehicle can be driven by the electric motor alone up to a speed of approximately 130 km/h.

The vehicle is driven by the electric motor alone only when all conditions for the automatic engine switch-off are fulfilled.

Further information on the automatic engine switch-off (▷ page 283).

Driving on inter-urban roads

The following phases are possible when driving on inter-urban roads:

- rapid acceleration (boost mode)
- constant energy consumption
- energy recuperation
- electric operation mode

Depending on the characteristics of the route, there may be a lot of recuperated energy available. This reduces consumption and emissions.

Driving on the motorway

When driving on a motorway, the decrease in wasted power has a particularly positive effect on fuel consumption and emissions.

The internal combustion engine will be switched off automatically, if:

- the driver removes his or her foot from the accelerator pedal in drive program **E** and a speed of 130 km/h is not exceeded
- the driver removes his or her foot from the accelerator pedal in drive program **E+** and a speed of 180 km/h is not exceeded

Further information on the automatic engine switch-off (▷ page 283).

ECO start/stop function

General notes

The ECO start/stop function switches the internal combustion engine off automatically when the vehicle stops moving and at high speeds (▷ page 283).

All vehicle systems remain active, e.g. the automatic climate control.

The ECO start/stop function is only available in drive programs **E** and **E+**. Electric-only operation is only possible in drive programs **E** and **E+**. Additional information for drive programs **E** and **E+** (▷ page 280).

Automatic engine switch-off

The internal combustion engine is switched off automatically if:

- the driver removes his or her foot from the accelerator in drive program **E** and a speed of 130 km/h is not exceeded (▷ page 283)
- the driver removes his or her foot from the accelerator in drive program **E+** and a speed of 180 km/h is not exceeded (▷ page 283)
- the internal combustion engine has reached its operating temperature
- the driver's seat belt is fastened and the driver's door is closed
- the driver only slightly depresses the accelerator pedal in order to, for example, maintain the current speed for a limited distance
- the bonnet is closed and engaged properly
- the high-voltage battery is charged sufficiently
- no malfunctions are present in the hybrid drive system

The internal combustion engine will not be switched off automatically, if:

- the self-diagnosis function of the engine control unit is still active
- there is a malfunction in the hybrid drive system
- the climate control of the vehicle requires it
- the high-voltage battery is being charged (▷ page 277)
- automatic emissions tests are running

Automatic engine start

The internal combustion engine, which has been automatically switched-off, starts automatically in certain situations, when:

- the power demand from the driver via the accelerator pedal is greater than the electric motor alone can provide
- the driver switches to drive program **S** or **M**
- the charge level of the high-voltage battery has reached the lower limit
- the settings of the automatic climate control require it, e.g. at external temperatures above 30 °C

Overrun mode

In overrun mode, the combustion engine is switched off and is disconnected from the drive train. The electric motor:

- generates low power, which corresponds to the overrun mode of an active combustion engine
- functions as an alternator and produces the necessary energy for the auxiliary consumers and charges the high-voltage battery

Overrun mode is possible in the following speed range:

- in drive program **E** below 130 km/h
- in drive program **E+** below 180 km/h

In drive program **E+**, after the accelerator pedal has been released the coasting characteristics of the vehicle are adapted to the traffic conditions. Further information about the haptic accelerator pedal (▷ page 281).

Route-based operating strategy

For the route-based operating strategy, the system factors in information about the expected route when route guidance is active.

The information on the route is provided by the multimedia system and includes the following:

- road categories
- speed limitations
- data on downhill gradients

The use of electric energy is automatically optimally distributed from the beginning to the end of the journey, using information about the route. The distribution is pre-emptive and takes into consideration:

- the sections of the journey ahead
- the energy consumption on the whole route

The charge status of the high-voltage battery is thus systematically controlled. In addition, the control function takes into account that:

- the fuel savings through the use of can vary, depending on the route (e.g. urban, interurban or motorway)
- the use of electrical energy is held available in particular for electric operation (e.g. urban routes)

The vehicle thus automatically selects the optimum driving mode for the respective section of the route.

The route-based operating strategy is available under the following conditions:

- drive program **E+** is selected
- **HYBRID** driving mode is selected
- active route guidance is activated
- suitable map data is available

When the route-based operating strategy is being used, the area in front of the vehicle is shown as green in the multifunction display.

Parking

▶ Apply the electric parking brake.
The red (P) indicator lamp in the instrument cluster lights up.

▶ Use the DIRECT SELECT lever to shift the automatic transmission to **P**.

▶ Switch the ignition off.
The READY indicator in the instrument cluster goes out.

Further information on parking and switching off the internal combustion engine (▷ page 205).

Problems with plug-in hybrid operation

Internal combustion engine

Problem	Possible causes/consequences and ▶ Solutions
You cannot start the internal combustion engine. The multifunction display shows no display messages. The READY indicator in the multifunction display is off.	For example, self-diagnosis is not yet complete or the hybrid drive system is malfunctioning. ▶ Switch off the ignition and turn it back on. ▶ Try to start the internal combustion engine again. If the internal combustion engine still does not start: ▶ Consult a qualified specialist workshop.
You wish to pull away, but the ECO start/stop function does not start the internal combustion engine. The READY indicator in the multifunction display is off.	The ECO start/stop function has failed. The warning and indicator lamps in the instrument cluster light up. ▶ Shift the transmission to **P**. ▶ Switch off the ignition and turn it back on. ▶ Start the engine.
	The hybrid drive system is faulty. ▶ Consult a qualified specialist workshop.

Recuperative Brake System

Problem	Possible causes/consequences and ▶ Solutions
Braking resistance is reduced and brake pedal travel is greater than usual.	⚠ **Risk of accident** The Recuperative Brake System is malfunctioning. ▶ Observe the additional display messages in the multifunction display (▷ page 312). ▶ Observe the information regarding indicator and warning lamps in the instrument cluster (▷ page 353) .

Hybrid drive system

Problem	Possible causes/consequences and ▶ Solutions
The hybrid drive system has been switched off automatically.	You have been in an accident. The hybrid drive system remains switched off if: • the internal combustion engine cannot be restarted after a few seconds. • the red restraint system warning lamp in the instrument cluster is lit. ▶ Consult a qualified specialist workshop.
The hybrid drive system has been switched off automatically. The multifunction display also shows a display message.	An electrical short circuit has occurred in the hybrid drive system or an electrical connection has been disconnected. ▶ Observe the additional display messages in the multifunction display (▷ page 312). ▶ Consult a qualified specialist workshop.

Towing a trailer

Important safety notes

⚠ **WARNING**

You could lose control of the vehicle/trailer combination if it begins to swerve. The vehicle/trailer combination could even overturn. There is a risk of an accident.

On no account should you attempt to straighten out the vehicle/trailer combination by increasing speed. Decrease your speed and do not countersteer. Brake if necessary.

⚠ **WARNING**

If the maximum permissible load for a carrier system is exceeded, the carrier could come loose from the vehicle and endanger other road users. There is a risk of an accident and injury.

Never exceed the maximum permissible load when using a carrier.

Exceeding the maximum permissible noseweight of the trailer drawbar on the ball coupling may cause damage to the following:

- your vehicle
- the trailer
- the ball coupling
- the trailer tow hitch

The vehicle/trailer combination could become unstable.

If the noseweight used is lower than the minimum permissible noseweight, the vehicle/trailer combination could also become unstable.

To avoid hazardous situations:

- make sure to check the noseweight before each journey
- use a drawbar noseweight as close as possible to the maximum noseweight
- do not exceed the maximum permissible noseweight
- do not use a noseweight lower than the minimum noseweight

Make sure that the following values are not exceeded:

- the permissible trailer drawbar noseweight
- the permissible trailer load
- the permissible rear axle load of the towing vehicle
- the maximum permissible gross vehicle weight of both the towing vehicle and the trailer

The applicable permissible values, which must not be exceeded, can be found:

- in your vehicle documents
- on the identification plates of the trailer tow hitch and the trailer
- on the vehicle identification plate

If the values differ, the lowest value applies.

You will find the values approved by the manufacturer on the vehicle identification plates and those for the towing vehicle under "Technical data" (▷ page 476).

⚠ WARNING

If you release the ball coupling or it does not engage correctly when folding in, it will swing out. Within pivoting range of the ball coupling, there is an increased risk of an accident and injury.

Only release the ball coupling if the pivoting range is unobstructed. Always make sure that the ball coupling engages when folding in.

When reversing the vehicle towards the trailer, make sure there is nobody between the trailer and the vehicle.

Couple and uncouple the trailer carefully. If you do not couple the trailer to the towing vehicle correctly, the trailer could become detached.

When towing a trailer, your vehicle's handling characteristics will be different in comparison to when driving without a trailer.

The vehicle/trailer combination:

- is heavier
- is restricted in its acceleration and gradient-climbing capability
- has an increased braking distance
- is affected more by strong crosswinds
- demands more sensitive steering
- has a larger turning circle

This can impair the vehicle's handling characteristics. Adapt your driving style accordingly. Maintain a safe distance. Drive carefully.

When towing a trailer, always adjust your speed to the current road and weather conditions. Do not exceed the maximum permissible speed for your vehicle/trailer combination.

Notes on towing a trailer

General notes

Trailer towing is not permissible on the following models:

- S 300 h
- S 400 h
- Mercedes-Maybach S 500
- Mercedes-Maybach S 400 4MATIC
- Mercedes-Maybach S 500 4MATIC
- S 500 e
- S 600
- Mercedes-Maybach S 600
- Mercedes-AMG S 63
- Mercedes-AMG S 63 4MATIC
- Mercedes-AMG S 65

When towing a trailer, set the tyre pressure on the rear axle of the towing vehicle for a maximum load, see the tyre pressure table in the fuel filler flap (▷ page 430).

On vehicles without level control, the height of the ball coupling will alter according to the load placed on the vehicle. If necessary, use a trailer with a height-adjustable drawbar.

You will find fitting dimensions and loads under "Technical data" (▷ page 476).

Driving tips

Observe the notes on ESP® trailer stabilisation (▷ page 81).

The maximum permissible speed for vehicle/trailer combinations depends on the type of trailer. Before beginning the journey, check the trailer's documents to see what the maximum permitted speed is. Observe the legally prescribed maximum speed in the relevant country.

For certain Mercedes-Benz vehicles, the maximum permissible rear axle load is increased when towing a trailer. See the "Technical data" section to find out whether this applies to your vehicle (▷ page 476). If you utilise any of the added maximum rear axle load when towing a trailer, the vehicle/trailer combination may 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 vehicle/trailer combinations is above 100 km/h.

When towing a trailer, your vehicle's handling characteristics will be different in comparison to when driving without a trailer and it will consume more fuel.

Change into a lower gear in good time on long and steep downhill gradients.

This also applies if you have activated cruise control, SPEEDTRONIC or DISTRONIC PLUS.

This will use the braking effect of the engine, so less braking will be required to maintain vehicle speed. This relieves the load on the brake system and prevents the brakes from overheating and wearing too quickly. If you need additional braking, depress the brake pedal repeatedly rather than continuously.

Driving tips

If the trailer swings from side to side:

▶ Do not accelerate.

▶ Do not countersteer.

▶ Brake if necessary.

- Maintain a greater distance to the vehicle in front than when driving without a trailer.
- Avoid braking abruptly. If possible, brake gently at first to allow the trailer to run on. Then, increase the braking force rapidly.
- The values given for gradient-climbing capabilities from a standstill refer to sea level. When driving in mountainous areas, note that the power output of the engine, and consequently the vehicle's gradient-climbing capability, decrease with increasing altitude.

Folding out the ball coupling

⚠ WARNING

If the ball coupling is not correctly engaged, the trailer can detach. There is a risk of an accident.

Always engage the ball coupling as described.

⚠ WARNING

If you release the ball coupling or it does not engage correctly when folding in, it will swing out. Within pivoting range of the ball coupling, there is an increased risk of an accident and injury.

Only release the ball coupling if the pivoting range is unobstructed. Always make sure that the ball coupling engages when folding in.

Before you can tow a trailer with your vehicle, you must fold out the ball coupling.

- Do not carry the KEYLESS-GO key about your person when:
  - folding the ball coupling in or out
  - coupling or uncoupling a trailer

  If a KEYLESS-GO key is in the rear detection range of KEYLESS-GO, the boot lid could open or close unintentionally.

▶ Make sure that the vehicle is stationary.



▶ Open the boot lid.

▶ Pull release knob ① until the ball coupling unlocks.
The ball coupling folds out from under the rear bumper.

The indicator lamp on the release knob flashes. The trailer power socket is integrated in the ball coupling and folds out with it.



▶ Press the ball coupling in the direction of the arrow until it engages in a vertical position. The indicator lamp on the release knob goes off.

The multifunction display shows the Check trailer hitch lock display message until the ball coupling is engaged.

▶ Remove the protective covering from the ball coupling and store it in a safe place.

Coupling up a trailer

- Do not carry the KEYLESS-GO key about your person when:
  - folding the ball coupling in or out
  - coupling or uncoupling a trailer

  If a KEYLESS-GO key is in the rear detection range of KEYLESS-GO, the boot lid could open or close unintentionally.

▶ Make sure that the transmission is in position **P**.

▶ Apply the electric parking brake.

▶ Position the trailer horizontally behind the vehicle.

▶ Couple up the trailer.

▶ Establish the electrical connection between the vehicle and the trailer.

▶ Check that the trailer lighting system is working.

▶ Push the combination switch upwards/downwards and check whether the corresponding turn signal on the trailer is flashing.

A connected trailer is only detected when the electrical connection is established correctly and when the lighting system is working properly. The function of other systems, such as ESP®, PARKTRONIC, Active Parking Assist, Active Blind Spot Assist or Lane Keeping Assist also depends on this.

Uncoupling a trailer

⚠ WARNING

If you uncouple a trailer with an engaged overrun brake, you could trap your hand between the vehicle and the trailer drawbar. This poses a risk of injury.

Do not uncouple a trailer with an engaged overrun brake.

⚠ WARNING

Vehicles with level control:

If you disconnect the trailer cable, the vehicle is lowered. This can cause you or others to become trapped between the vehicle body and tyres, or underneath the vehicle. This poses a risk of injury.

Make sure that no-one is in the immediate vicinity of the wheel arch or underneath the vehicle when disconnecting the trailer cable.

! Do not disconnect a trailer with an engaged overrun brake. Otherwise, your vehicle could be damaged by the rebounding of the overrun brake.

! Remove the installed adapter cable before folding in the ball coupling. Otherwise, damage may occur to the rear bumper and the adapter cable.

- Do not carry the KEYLESS-GO key about your person when:
  - folding the ball coupling in or out
  - coupling or uncoupling a trailer

  If a KEYLESS-GO key is in the rear detection range of KEYLESS-GO, the boot lid could open or close unintentionally.

▶ Make sure that the transmission is in position **P**.

▶ Apply the electric parking brake.

▶ Secure the trailer against rolling away.

▶ Remove the trailer cable and decouple the trailer.

Folding in the ball coupling

⚠ WARNING

If you release the ball coupling or it does not engage correctly when folding in, it will swing out. Within pivoting range of the ball coupling, there is an increased risk of an accident and injury.

Only release the ball coupling if the pivoting range is unobstructed. Always make sure that the ball coupling engages when folding in.

Fold the ball coupling back in if you are not using the trailer tow hitch.

- Do not carry the KEYLESS-GO key about your person when:
  - folding the ball coupling in or out
  - coupling or uncoupling a trailer

  If a KEYLESS-GO key is in the rear detection range of KEYLESS-GO, the boot lid could open or close unintentionally.

▶ Make sure that the vehicle is stationary and the trailer cables are disconnected.

▶ Place the protective covering on the ball coupling.

▶ Open the boot lid.



▶ Pull release knob ① until the ball coupling unlocks.
The ball coupling folds down from under the rear bumper. The indicator lamp on the release knob flashes.

Do not attempt to speed this process up by applying additional pressure with your foot. The system could otherwise be mechanically damaged.



▶ Press the ball coupling in the direction of the arrow until it engages audibly behind the bumper.
The indicator lamp on the release knob goes out and the message in the multifunction display disappears.

Trailer power supply

! You can connect accessories to the permanent power supply up to a maximum of 240 W.

You cannot charge a trailer battery using the power supply.

When it leaves the factory, your vehicle's trailer socket is equipped with a permanent power supply and a power supply that is switched on via the ignition lock.

The permanent power supply is supplied via trailer socket pin 9.

The power supply that is switched on via the ignition lock is supplied via trailer socket pin 10.

The trailer's permanent power supply is switched off in the event of low vehicle supply voltage and after six hours at the latest.

You can find more information about fitting the trailer electrics at a qualified specialist workshop.

▶ **To switch the connected power supply on or off:** turn the key to position **2**or **0** respectively (▷ page 175).

Failure check for LEDs

If LED lamps are fitted in the trailer, a malfunction message may appear in the multifunction display even if there is no fault. The reason for the error message may be that the current has fallen below the minimum of 50 mA.

To ensure reliable operation of the failure indicator, each LED chain in the trailer lighting must be guaranteed a minimum current of 50 mA.

Trailer with 7-pin connector

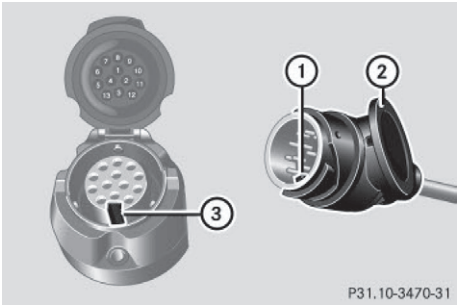
General notes

Trailer with 7-pin connector: you can connect to the 13-pin socket on the ball coupling using an adapter or, if necessary, an adapter cable. Both can be obtained at a qualified specialist workshop.

Fitting the adapter

! Make sure that there is sufficient cable play so that the cable cannot become detached when cornering.

! Remove the installed adapter cable before folding in the ball coupling. Otherwise, damage may occur to the rear bumper and the adapter cable.



- ▶ Open the socket cover.
- ▶ Insert the plug connector with lug ① into groove ③ on the socket.
- ▶ Turn bayonet connection ② around clockwise to the stop.
- ▶ Let the cover engage.
- ▶ If you are using an adapter cable, secure the cable to the trailer with cable ties.

Problems with trailer towing

Problem	Possible causes/consequences and ▶ Solutions
The released ball coupling cannot be engaged.	▶ Visit a qualified specialist workshop.
The ball coupling does not unlock, even though: • the vehicle is stationary. • no trailer cable is connected • the release knob to unlock the ball coupling has been pulled for more than a second.	The on-board voltage is insufficient. ▶ Start the engine. If the ball coupling still does not unlock: ▶ Visit a qualified specialist workshop.

Useful information

ⓘ This Owner's Manual describes all models, series and optional equipment for your vehicle that were available at the time of going to press. National variations are possible. Note that your vehicle may not be equipped with all of the functions described. This is also the case for systems and functions relevant to safety.

ⓘ Read the information on qualified specialist workshops: (▷ page 30).

Important safety notes

⚠ **WARNING**

Operating the integrated information systems and communications equipment in the vehicle while driving will distract you from traffic conditions. You could then lose control of the vehicle. There is a risk of an accident.

Only operate these devices if road traffic conditions permit. If you are unsure about the surrounding conditions, pull over to a safe location and make entries only while the vehicle is stationary.

You must observe the legal requirements for the country in which you are currently driving when operating the on-board computer.

PLUG-IN HYBRID vehicles only:

⚠ **WARNING**

If the instrument cluster has failed or there is a malfunction, you may not know about safety-related function restrictions. The operating safety of your vehicle may be affected. There is a risk of an accident.

Immediately stop the vehicle while paying attention to the traffic conditions and consult a qualified specialist workshop.

All vehicles, except PLUG-IN HYBRID vehicles:

⚠ **WARNING**

If the instrument cluster has failed or malfunctioned, you may not recognise function restrictions relevant to safety. The operating safety of your vehicle may be impaired. There is a risk of an accident.

Drive on carefully. Have the vehicle checked at a qualified specialist workshop immediately.

If the operating safety of your vehicle is impaired, park the vehicle safely as soon as possible. Contact a qualified specialist workshop.

The on-board computer only shows messages or warnings from certain systems in the multifunction display. You should therefore make sure your vehicle is operating safely at all times.

For an overview, see the instrument cluster illustration (▷ page 35).

Displays and operation

Instrument cluster lighting

The light sensor in the instrument cluster automatically controls the brightness of the multifunction display. In daylight, the displays in the instrument cluster are illuminated. A dimming function is not possible in daylight.

The lighting in the instrument cluster, in the displays and the controls in the vehicle interior can be adjusted using the brightness control knob.

The brightness control is located between the instrument cluster and the multimedia system display (▷ page 37).

▶ Turn the brightness control knob clockwise or anti-clockwise.
If you turn the light switch (▷ page 139) to the [≡D], [AUTO] or [≡D] position, the brightness will depend upon the brightness of the ambient light.

Rev counter

❗ Do not drive in the overrevving range. Doing so will damage the engine.

The red band in the rev counter indicates the engine's overrevving range.

The fuel supply is interrupted to protect the engine when the red band is reached.

PLUG-IN HYBRID vehicles: when you select the **E-MODE** operating mode, the display in the

instrument cluster switches from rev counter to wattmeter (▷ page 273).

Outside temperature display

You should pay special attention to road conditions when temperatures are around freezing point.

Bear in mind that the outside temperature display indicates the measured air temperature and not the road surface temperature.

The outside temperature display is in the multifunction display (▷ page 293).

There is a short delay before a change in outside temperature is shown in the multifunction display.

Coolant temperature gauge

⚠ WARNING

If you open the bonnet while the engine is overheating or while there is a fire in the engine compartment, you could come into contact with hot gases or other leaking service products. There is a danger of injury.

Allow an overheating engine to cool down before opening the bonnet. If there is a fire in the engine compartment, leave the bonnet closed and notify the fire brigade.

All vehicles except HYBRID and PLUG-IN HYBRID vehicles: the coolant temperature gauge is in the lower section of the rev counter (▷ page 35).

HYBRID and PLUG-IN HYBRID vehicles: the multifunction display shows the coolant temperature in the Coolant submenu (▷ page 305).

At high outside temperatures and when driving uphill, the coolant temperature may rise.

Under normal operating conditions and with the specified coolant level, the coolant temperature may rise to 124 °C.

Operating the on-board computer



① Multifunction display
② Right control panel
③ Left control panel

▶ **To activate the on-board computer:** turn the key to position **1** in the ignition lock.

You can control the multifunction display and the settings in the on-board computer using the buttons on the multifunction steering wheel.

Left control panel

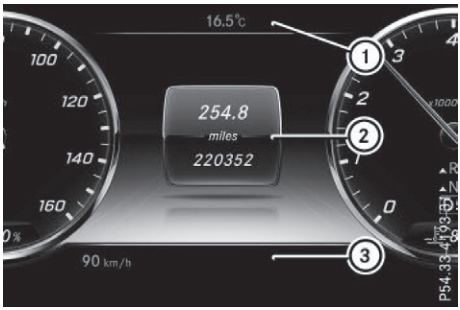
⌂	• Opens the menu list
▲ ▼	**Press briefly:** • Scrolls through lists • Selects a menu or function • In the Radio or Media menu: opens the track or station list and selects a station, an audio track or a video scene • In the Telephone menu: switches to the phone book and selects a name or a telephone number
▲ ▼	**Press and hold:** • Scrolls quickly through all lists • In the Radio or Media menu: selects a station, audio track or video scene using rapid scrolling • In the Telephone menu: starts rapid scrolling if the phone book is open

OK	• In all menus: confirms the selected entry in the list • In the Radio or Media menu: opens the list of available radio sources or media • In the Telephone menu: switches to the phone book and starts dialling the selected number
OFF	• Switches off LINGUATRONIC (see the separate operating instructions)
⮌	**Press briefly:** • Back • In the Radio or Media menu: deselects the track or station list or list of available radio sources or media • Hides display messages • Exits the telephone book/redial memory
⮌	**Press and hold:** • Calls up the standard display in the Trip menu

Right control panel

✆	• Rejects or ends a call • Exits the telephone book/redial memory
✆	• Makes or accepts a call • Switches to the redial memory
+ / −	• Adjusts the volume
🔇	• Mute
	• Switches on LINGUATRONIC (see the separate operating instructions)

Multifunction display



① Top status bar
② Display
③ Bottom status bar

Display panel ② shows the selected menu or submenu and display messages.

▶ **To open the menu list:** press the ⌂ button on the steering wheel.
The menu list appears in display panel ②.

Possible top status bar displays:

- - -°C Outside temperature (▷ page 292)
- ⇦ Turn signal, left (▷ page 141)
- Dipped-beam headlamps (▷ page 140)
- Main-beam headlamps (▷ page 141)
- Rear foglamp (▷ page 140)
- Diesel engine: preglow
- Side lamps and licence plate lighting (▷ page 140)
- ⇨ Turn signal, right (▷ page 141)

Possible bottom status bar displays:

- Ⓐ ECO start/stop function (▷ page 179)
- READY HYBRID operation activated (▷ page 266)
- READY PLUG-IN HYBRID operation activated (▷ page 280)
- HYBRID Operating mode display in PLUG-IN HYBRID vehicles, further displays (▷ page 273)
- Electric range (PLUG-IN HYBRID vehicles)
- HOLD HOLD function (▷ page 226)
- P Active Parking Assist (▷ page 234)
- Adaptive Highbeam Assist Plus (▷ page 143)
- DISTRONIC PLUS Steering Assist and Stop&Go Pilot (▷ page 224)

- --- mph Additional speedometer (▷ page 311)
- 120 km/h! Maximum permissible speed exceeded (only for certain countries)

Head-up display

General notes

The head-up display projects information from the navigation system and the driver assistance system above the dashboard into the driver's field of vision. The head-up display allows the driver to see all of the information without having to take their eyes off the road.

A requirement for the display of the contents is that the following functions are available in the vehicle and are switched on:

- Cruise control and SPEEDTRONIC
- DISTRONIC PLUS
- Traffic Sign Assist
- Navigation

Important safety notes

The head-up display is only an aid and is not a substitute for attentive driving.

Speed limits and overtaking restrictions are not always correctly displayed. Traffic signs always have priority over the Traffic Sign Assist display.

The visibility of the head-up display is influenced by the following conditions:

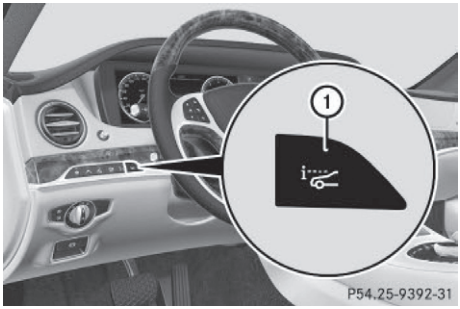
- the driver's seat position
- the positioning of the display image
- the general light conditions
- sunglasses with polarisation filters
- wet road surfaces
- blocking of sunlight by objects on the display cover

In the event of extreme sunlight, sections of the display may fade. This can be reversed by switching the head-up display off and on again.

ⓘ Vehicles with the head-up display are equipped with a special windscreen. Should repairs be necessary, have the windscreen replaced at a qualified specialist workshop.

Displays and operation

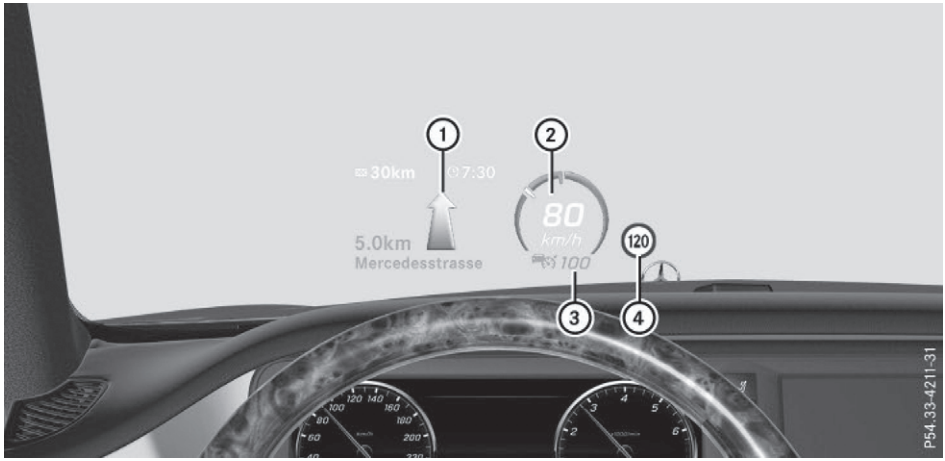
Switching the head-up display on/off



▶ Press button ①.
When the head-up display is switched on, the display appears in the driver's field of vision.

Standard displays in the head-up display

The head-up display shows the following contents and information:

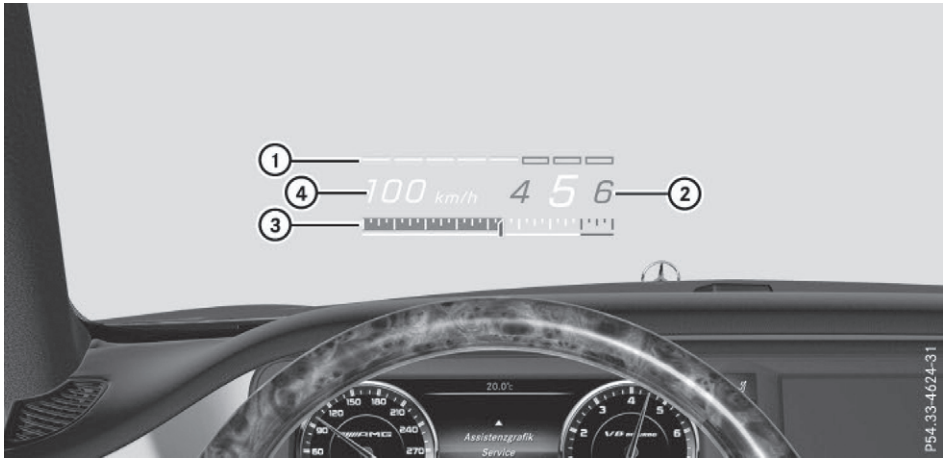


① Navigation messages
② Current speed
③ Cruise control, SPEEDTRONIC or DISTRONIC PLUS set speed
④ Detected instructions and traffic signs

AMG displays in the head-up display

AMG displays are only available in Mercedes-AMG vehicles.

The head-up display shows the following contents and information:



① Upshift indicator
② Currently selected gear, gearshift options when shifting manually
③ Current engine speed
④ Current speed

Setting options

You can make the following settings in the head-up display submenu:

- Adjust the position of the head-up display on the windscreen (▷ page 309)
- Adjust the brightness of the displays in the head-up display (▷ page 309)
- Select displays in the head-up display (▷ page 308).

  Using the Display content function, you can, depending on your vehicle's equipment, choose between four standard displays. The selected contents then appear in the head-up display.

  In Mercedes-AMG vehicles, you can also choose between two AMG displays. If you select an AMG display, the head-up display shows AMG-specific contents.

  If you select a display with traffic signs, detected traffic signs from Traffic Sign Assist appear in the head-up display.

Menus and submenus

Menu overview

Press the ⌂ button on the steering wheel to open the menu list.

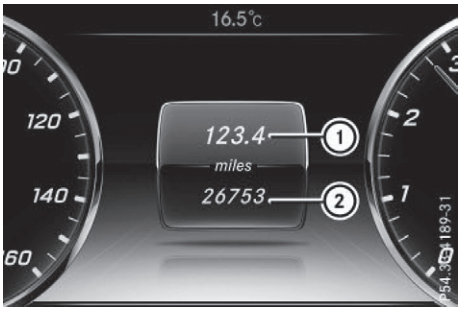
Operating the on-board computer (▷ page 292).

Depending on the vehicle equipment, you can select the following menus:

- Trip menu (▷ page 296)
- Navi menu (navigation instructions) (▷ page 298)
- Radio menu (▷ page 300)
- Media menu (▷ page 300)
- Telephone menu (▷ page 302)
- Assistance graphic menu (▷ page 304)
- Service menu (▷ page 304)
- Settings menu (▷ page 305)
- AMG menu (Mercedes-AMG vehicles) (▷ page 312)

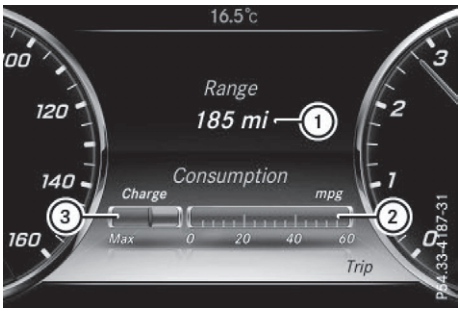
Trip menu

Standard display



▶ Press and hold the ⮌ button on the steering wheel until the Trip menu with trip meter ① and total distance recorder ② appears.

Displaying the range and current fuel consumption



Mercedes-AMG vehicles: the menu only displays approximate range ①.

HYBRID vehicles: the menu displays approximate range ① and current fuel consumption ② (▷ page 265).

PLUG-IN HYBRID vehicles: the menu displays current fuel consumption ②. In the subsequent message, the multifunction display shows the approximate electrical range as well as the total range (▷ page 279).

▶ Press ⌂ on the steering wheel to open the menu list.

▶ Press ▼ or ▲ on the steering wheel to select the Trip menu.

- ▶ Confirm by pressing OK on the steering wheel.
- ▶ Press ▼ or ▲ to select the display with approximate range ① and current fuel consumption ②.
  Approximate range ① that can be covered is calculated according to your current driving style and the amount of fuel in the tank. If there is only a small amount of fuel left in the fuel tank, a vehicle being refuelled appears instead of approximate range ①.
  Recuperation display ③ shows you if energy has been recuperated from the kinetic energy in overrun mode and saved in the battery. Recuperation display ③ depends on the engine installed and is therefore not available in all vehicles.

ECO display



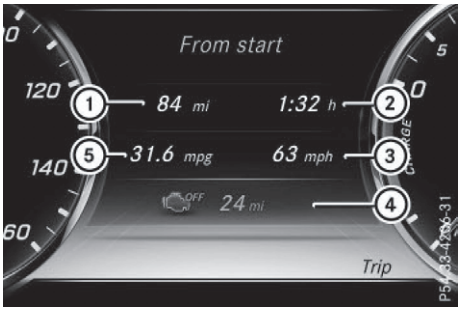
The ECO display is not available in Mercedes-AMG vehicles.

- ▶ Press ⌂ on the steering wheel to open the menu list.
- ▶ Press ▼ or ▲ on the steering wheel to select the Trip menu.
- ▶ Confirm by pressing OK on the steering wheel.
- ▶ Select ECO display with ▼ or ▲.

If the ignition remains switched off for longer than four hours, the ECO display will be automatically reset.

Further information on the ECO display (▷ page 208).

Trip computer "From start" or "From reset"

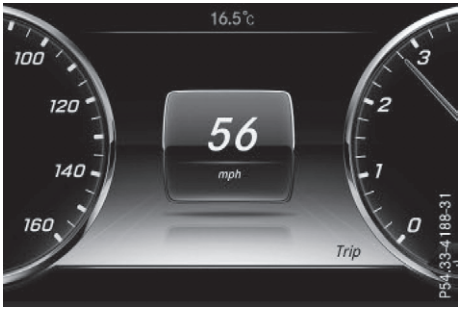


① Total distance recorder
② Driving time
③ Average speed
④ PLUG-IN HYBRID vehicles: emission-free trip distance
⑤ Average fuel consumption

- ▶ Press ⌂ on the steering wheel to open the menu list.
- ▶ Press ▼ or ▲ on the steering wheel to select the Trip menu.
- ▶ Confirm by pressing OK on the steering wheel.
- ▶ Press ▼ or ▲ to select From start or From reset.
  The values in the From start submenu are calculated from the start of a journey whilst the values in the From reset submenu are calculated from the last time the submenu was reset (▷ page 298).
  In the following cases the trip computer is automatically reset From start:
  - the ignition has been switched off for more than four hours.
  - 999 hours have been exceeded.
  - 9,999 kilometres have been exceeded.

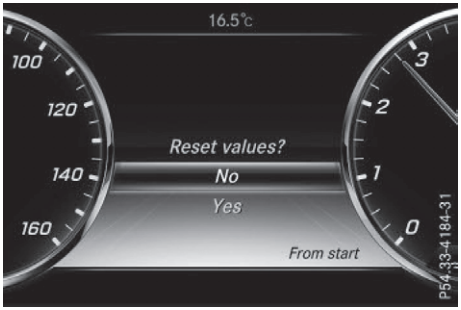
  When 9,999 hours or 99,999 kilometres have been exceeded, the trip computer is automatically resetFrom reset.

Digital speedometer



- ▶ Press ⌂ on the steering wheel to open the menu list.
- ▶ Press ▼ or ▲ on the steering wheel to select the Trip menu.
- ▶ Confirm by pressing OK on the steering wheel.
- ▶ Press ▼ or ▲ to select the digital speedometer.

Resetting values



- ▶ Press ⌂ on the steering wheel to open the menu list.
- ▶ Press ▼ or ▲ on the steering wheel to select the Trip menu.
- ▶ Confirm by pressing OK on the steering wheel.
- ▶ Press ▼ or ▲ to select the function that you wish to reset.
- ▶ Press OK to confirm your selection.
- ▶ Press ▼ to select Yes and press OK to confirm.

You can reset the values of the following functions:

- Trip meter
- "From start" trip computer
- "From reset" trip computer
- ECO display

If you reset the values in the "ECO display", the values in the "From start" trip computer are also reset. If you reset the values in the "From start" trip computer, the values in the "ECO display" are also reset.

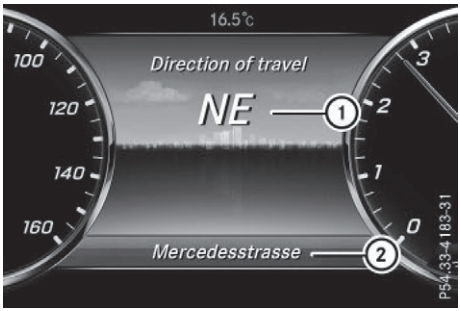
Navigation menu

Displaying navigation instructions

In the Navi menu, the multifunction display shows navigation instructions. You can find further information on navigation instructions in the separate operating instructions.

- ▶ Switch on the multimedia system (see separate operating instructions).
- ▶ Press ⌂ on the steering wheel to open the menu list.
- ▶ Press ▼ or ▲ on the steering wheel to select the Navi menu.
- ▶ Confirm by pressing OK on the steering wheel.

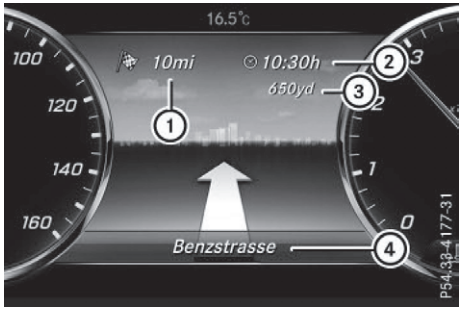
Route guidance not active



① Direction of travel
② Current road

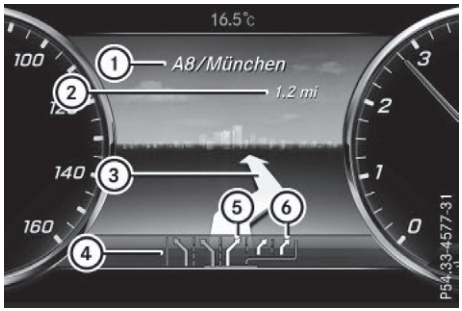
Route guidance active

No change of direction announced



① Distance to the next destination
② Estimated arrival time
③ Distance to the next change of direction
④ Current road

Change of direction announced with a lane recommendation



① Road to which the change of direction leads
② Distance to the change of direction
③ Change-of-direction symbol
④ Lane not recommended (dark grey)
⑤ Possible lane (light grey)
⑥ Recommended lane and new lane during a change of direction (white)

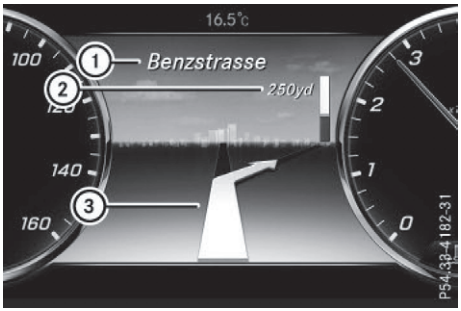
On multilane roads, new lane recommendations can be displayed for the next change of direction if the digital map supports this data. During the change of direction, new lanes may be added.

Lane not recommended ④: you will not be able to complete the next change of direction if you stay in this lane.

Possible lane ⑤: you will only be able to complete the next change of direction in this lane.

Recommended lane ⑥: in this lane you will be able to complete the next change of direction and the one after that.

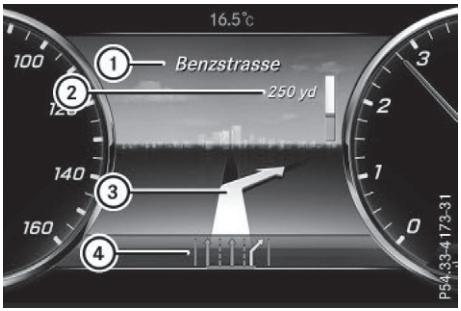
Change of direction without lane recommendation



① Road to which the change of direction leads
② Distance to change of direction and visual distance display
③ Change-of-direction symbol

When a change of direction is to be made, you will see symbol ③ for the change of direction and distance graphic ②. This shortens towards the top of the display as you approach the point of the announced change of direction. The change of direction starts once the distance display reaches zero.

Change of direction with lane recommendation



① Road to which the change of direction leads
② Distance to change of direction and visual distance display
③ Change-of-direction symbol
④ Lane recommendation

Other status indicators of the navigation system

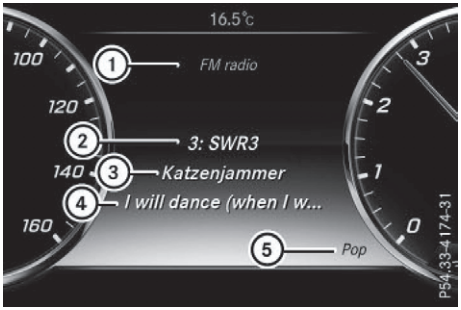


① Additional information

Other possible additional information:

- New route... or Calculating route...
  A new route is calculated.
- Road not mapped
  The vehicle position is inside the area of the digital map but the road is not recognised, e.g. new roads, car parks or private land.
- No route
  No route could be calculated to the selected destination.
- 🏁
  You have reached the destination or an intermediate destination.

Radio menu



① Frequency range
② Channel with preset position
③ Name of artist
④ Name of track
⑤ Genre

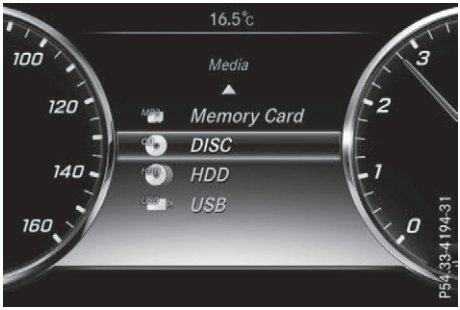
The multifunction display shows station ② with station frequency or station name. The preset position is only displayed along with station ② if this has been stored. You can store radio stations in the multimedia system.

- ▶ Switch on the multimedia system (see separate operating instructions).
- ▶ Press [⌂] on the steering wheel to open the menu list.
- ▶ Press [▼] or [▲] on the steering wheel to select the Radio menu.
- ▶ Confirm by pressing [OK] on the steering wheel.
  Currently set station ② appears in the multifunction display.
- ▶ **To open the station list:** press the [▼] or [▲] button briefly.
- ▶ **To select a station in the station list:** press the [▼] or [▲] button briefly.
- ▶ **To select a station in the station list using rapid scrolling:** press and hold the [▼] or [▲] button.
- ▶ **To select the frequency range or station memory:** press [OK] briefly.
- ▶ Press [▼] or [▲] to select the frequency range or station memory.
- ▶ Press [OK] to confirm the selection.

ⓘ DAB radio mode (**D**igital **A**udio **B**roadcasting) is an optimised digital transmission standard designed for the mobile reception of radio transmissions.

Media menu

Changing the media source

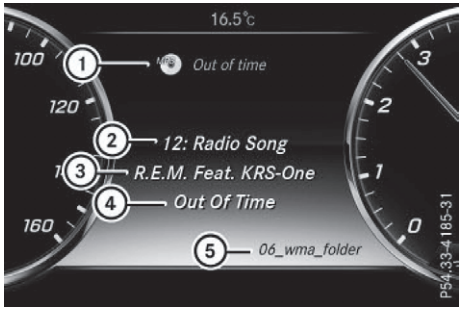


You can change the media source and playback mode (audio, video or TV) at any time in the Media menu.

- ▶ Switch on the multimedia system (see separate operating instructions).
- ▶ Press ⌂ on the steering wheel to open the menu list.
- ▶ Press ▼ or ▲ on the steering wheel to select the Media menu.
- ▶ Confirm by pressing OK on the steering wheel.
- ▶ **To open/close the media sources list:**press OK briefly.
  The list shows the following media sources, for example:
  - Disc (CD/DVD)
  - SD memory card
  - Media Register
  - USB storage device
  - Bluetooth® capable audio device

Please observe further information on media support and media operation in the multimedia system (see separate operating instructions).

Audio player or audio media operation



① Media source, e.g. name of current CD
② Current track
③ Name of artist
④ Name of album
⑤ Folder name

Audio files from various audio players or media can be played, depending on the equipment fitted in the vehicle.

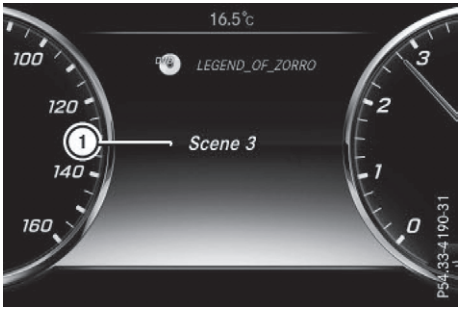
- ▶ Switch on the multimedia system (see separate operating instructions).
- ▶ Press ⌂ on the steering wheel to open the menu list.
- ▶ Press ▼ or ▲ on the steering wheel to select the Media menu.
- ▶ Confirm by pressing OK on the steering wheel.
- ▶ **To select an audio player or data carrier:**press OK briefly.
  The list containing the media sources appears.
- ▶ Press ▼ or ▲ to select the corresponding audio player or media.
- ▶ Press OK to confirm the selection.
- ▶ **To open the track list:** press the ▼ or ▲ button briefly.
- ▶ **To select the next or previous track in the track list:** press the ▼ or ▲ button briefly.
- ▶ **To select a track from the track list using rapid scrolling:** press and hold ▼ or ▲ until the desired track is reached.
  If you press and hold the button, the speed of rapid scroll increases after a short time. Not all audio players or media support this function.

If the corresponding track information is stored on the audio drive or audio media, the multifunction display may display the following:

- track number
- track name
- artist
- album

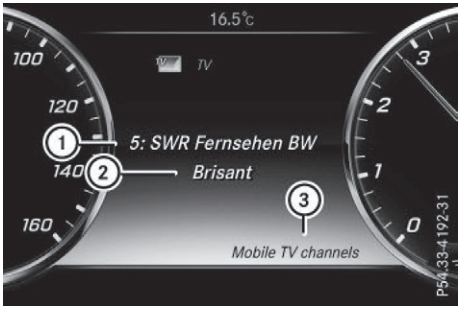
The track information is not available in audio AUX mode (**Aux**iliary audio mode: external audio source connected).

Video DVD operation



- ▶ Switch on the multimedia system (see separate operating instructions).
- ▶ Press the ⌂ button on the steering wheel to open the menu list.
- ▶ Press ▼ or ▲ on the steering wheel to select the Media menu.
- ▶ Confirm by pressing OK on the steering wheel.
- ▶ **To select a DVD single drive or DVD media:** press OK briefly.
  The list containing the media sources appears.
- ▶ Press ▼ or ▲ to select the corresponding DVD single drive or disc.
- ▶ Press OK to confirm the selection.
- ▶ **To open the scene list:** press the ▼ or ▲ button briefly.
- ▶ **To select the next or previous scene in the scene list:** press the ▼ or ▲ button briefly.
- ▶ **To select a scene from the scene list using rapid scrolling:** press and hold ▼ or ▲ until desired scene ① is reached.
- ▶ Press OK to confirm the selection.

TV operation



① TV channel with preset position
② Programme information, e.g. the name of the film
③ Name of channel list

The preset position is only displayed along with TV channel ① if this has been stored. You can store TV channels in the multimedia system.

- ▶ Switch on the multimedia system (see separate operating instructions).
- ▶ Press ⌂ on the steering wheel to open the menu list.
- ▶ Press ▼ or ▲ on the steering wheel to select the Media menu.
- ▶ Confirm by pressing OK on the steering wheel.
- ▶ **To select TV:**press OK briefly.
  The list containing the media sources appears.
- ▶ Press ▼ or ▲ to select TV.
- ▶ Press OK to confirm your selection.
- ▶ **To open the station list:** press the ▼ or ▲ button briefly.
- ▶ **To select a station in the station list:** press the ▼ or ▲ button briefly.
- ▶ **To select a station in the station list using rapid scrolling:** press and hold the ▼ or ▲ button.
- ▶ Press OK to confirm the selection.

Telephone menu

Introduction

⚠ WARNING

Operating the integrated information systems and communications equipment in the vehicle while driving will distract you from traffic conditions. You could then lose control of the vehicle. There is a risk of an accident.

Only operate these devices if road traffic conditions permit. If you are unsure about the surrounding conditions, pull over to a safe location and make entries only while the vehicle is stationary.

When telephoning, you must observe the legal requirements for the country in which you are currently driving.

- ▶ Switch on the mobile phone (see the manufacturer's operating instructions).
- ▶ Switch on the multimedia system (see separate operating instructions).
- ▶ Insert the mobile phone into the bracket (▷ page 384).

or

- ▶ Establish a Bluetooth® connection to the multimedia system; see the separate operating instructions.

- ▶ Press the ⌂ button on the steering wheel to open the menu list.
- ▶ Press ▼ or ▲ on the steering wheel to select the Telephone menu.
- ▶ Confirm by pressing OK on the steering wheel.

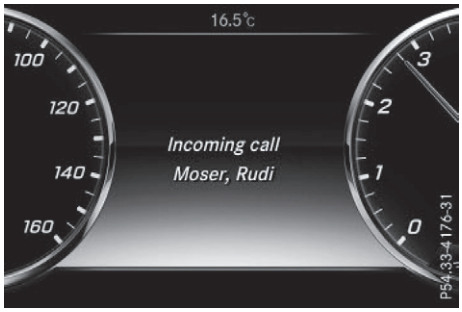
You will see one of the following display messages in the multifunction display:

- Telephone ready or the name of the network provider: the mobile phone has found a network and is ready to receive.
- Telephone No service: there is no network available or the mobile phone is searching for a network.

ⓘ You can obtain further information about suitable mobile phones and connecting mobile phones via Bluetooth®:

- on the Internet at http://www.mercedes-benz.com/connect
- at any Mercedes-Benz Service Centre

Accepting a call



If someone calls you when you are in the Telephone menu, a display message appears in the multifunction display.

You can accept a call at any time regardless of the menu selected.

- ▶ Press the ✆ button on the steering wheel to accept an incoming call.

Rejecting or ending a call

- ▶ Press the ✆ button on the steering wheel to reject or end an incoming call.

Selecting an entry in the phone book

- ▶ Press ⌂ on the steering wheel to open the menu list.
- ▶ Press ▼ or ▲ on the steering wheel to select the Telephone menu.
- ▶ Confirm by pressing OK on the steering wheel.
- ▶ Press ▼, ▲ or OK to switch to the phone book.
- ▶ Press ▼ or ▲ to select the names one after the other.

or

- ▶ **To start rapid scrolling:** press and hold ▼ or ▲ for longer than one second.
  The names in the phone book are displayed quickly one after the other.
  If you press and hold the ▼ or ▲ button for longer than five seconds, the name appears with the next or previous letter initial letter in the alphabet.
  Rapid scrolling stops when you release the button or reach the end of the list.
- ▶ **If only one telephone number is stored for a name:** press the ✆ or OK button to start dialling.

or

- ▶ **If there is more than one telephone number for a particular name:** press the ✆ or OK button to display the numbers.
- ▶ Press ▼ or ▲ to select the number you want to dial.
- ▶ Press the ✆ or OK button to start dialling.

or

- ▶ **To exit the telephone book:** press the ✆ or ↩ button.

Redialling

The on-board computer saves the last names or numbers dialled in the redial memory.

- ▶ Press ⌂ on the steering wheel to open the menu list.
- ▶ Press ▼ or ▲ on the steering wheel to select the Telephone menu.
- ▶ Confirm by pressing OK on the steering wheel.

- Press the button to switch to the redial memory.
- Press ▼ or ▲ to select the desired name or number.
- Press the or OK button to start dialling.

or

- **To exit the redial memory:** press the or button.

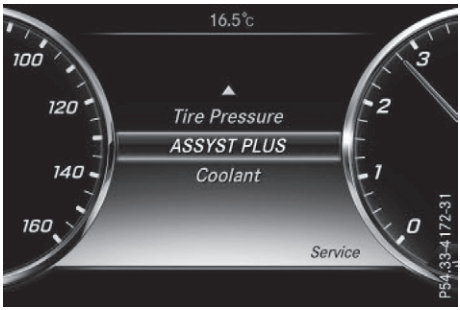
Assistance graphic menu



- Press ⌂ on the steering wheel to open the menu list.
- Press ▼ or ▲ on the steering wheel to select the Assistance graphic menu.
- Confirm by pressing OK on the steering wheel.
  The multifunction display shows the DISTRONIC PLUS distance display in the assistance graphic.
  The assistance graphic shows you the status of and/or information from other driving systems or driving safety systems:
  - DISTRONIC PLUS (▷ page 216)
  - Spotlight function of Night View Assist Plus (▷ page 310)
  - Distance warning function and autonomous braking system of COLLISION PREVENTION ASSIST PLUS (▷ page 77)
  - PRE-SAFE® Brake (▷ page 82)
  - Active Blind Spot Assist (▷ page 253)
  - ATTENTION ASSIST (▷ page 247)
  - Active Lane Keeping Assist (▷ page 256)
- Press ▼ to display the ATTENTION ASSIST assessment.

Service menu

Introduction



Depending on the equipment fitted in the vehicle, you have the following options in the Service menu:

- Calling up display messages in the message memory (▷ page 313)
- Displaying the AdBlue® level and range (▷ page 304)
- Restarting the tyre pressure loss warning system (▷ page 435)
- Checking the tyre pressure electronically (▷ page 432)
- Calling up the service due date (▷ page 398).
- Displaying the coolant temperature (HYBRID or PLUG-IN HYBRID vehicles) (▷ page 305)
- Checking the oil level using the on-board computer (▷ page 394) (only S 600 model, Mercedes-Maybach S 600 and Mercedes-AMG S 65)

Displaying the AdBlue® level and range

- Press ⌂ on the steering wheel to open the menu list.
- Press ▼ or ▲ on the steering wheel to select the Service menu.
- Confirm by pressing OK on the steering wheel.
- Press ▼ or ▲ to select the AdBlue submenu.
- Press OK to confirm the selection.
  The range and AdBlue® level appear in a bar graph in the multifunction display.

Observe the information and notes on "Refuelling" (▷ page 193).

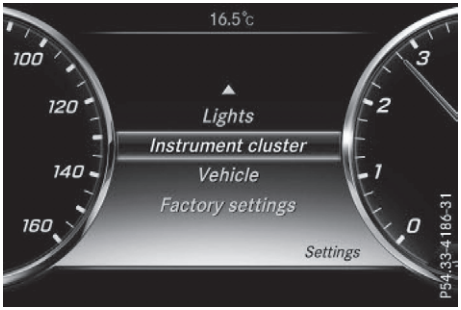
Displaying the coolant temperature

The Coolant menu is only available on HYBRID or PLUG-IN HYBRID vehicles.

- ▶ Press ⌂ on the steering wheel to open the menu list.
- ▶ Press ▼ or ▲ on the steering wheel to select the Service menu.
- ▶ Confirm by pressing OK on the steering wheel.
- ▶ Select Coolant with ▼ or ▲.
- ▶ Press OK to confirm the selection.
  The multifunction display shows the coolant temperature in a bar display.

Settings menu

Introduction



Depending on the equipment fitted in the vehicle, you have the following options in the Settings menu:

- Changing assistance settings (▷ page 305)
- Changing HYBRID settings (PLUG-IN HYBRID vehicles) (▷ page 307)
- Changing head-up display settings (▷ page 308)
- Changing the light settings (▷ page 309)
- Changing the instrument cluster settings (▷ page 310)
- Changing the vehicle settings (▷ page 311)
- Restoring the factory settings (▷ page 311)

Assistance submenu

Deactivating/activating ESP®

Observe the "Important safety notes" section in the description of ESP® (▷ page 80).

⚠ WARNING

If you deactivate ESP®, ESP® no longer stabilises the vehicle. There is an increased risk of skidding and an accident.

Only deactivate ESP® in the situations described in the following.

It may be best to deactivate ESP® in the following situations:

- when using snow chains
- in deep snow
- on sand or gravel

For further information about ESP®, see (▷ page 80).

- ▶ Start the engine.
- ▶ Press ⌂ on the steering wheel to open the menu list.
- ▶ Press ▼ or ▲ on the steering wheel to select the Settings menu.
- ▶ Confirm by pressing OK on the steering wheel.
- ▶ Press ▼ or ▲ to select the Assistance submenu.
- ▶ Press OK to confirm your selection.
- ▶ Press the ▼ or ▲ button to select ESP.
- ▶ Press OK to confirm.
  The current selection appears.
- ▶ **To activate/deactivate:** press OK again.

ESP® is deactivated if the OFF warning lamp in the instrument cluster lights up continuously when the engine is running.

If the warning lamp lights up continuously, ESP® is not available due to a malfunction.

Observe the information on warning lamps (▷ page 357).

Observe the information on display messages (▷ page 314).

Automatic activation of Night View Assist Plus

- ▶ Press [⌂] on the steering wheel to open the menu list.
- ▶ Press [▼] or [▲] on the steering wheel to select the Settings menu.
- ▶ Confirm by pressing [OK] on the steering wheel.
- ▶ Use [▼] or [▲] to select the Assistance submenu.
- ▶ Press [OK] to confirm your selection.
- ▶ Press [▼] or [▲] to select Night View Assist.
- ▶ Press [OK] to confirm.
  The current selection appears.
- ▶ **To activate/deactivate:** press the [OK] button again.

If Night View Assist Plus automatic activation is switched on, the night vision image is automatically shown in the multifunction display if an object is detected.

For further information about Night View Assist Plus (▷ page 252).

Activating/deactivating Traffic Sign Assist

The Traffic Sign Assist function allows you to choose whether traffic signs and information should be displayed in the lower area of the speedometer in certain conditions.

- ▶ Press [⌂] on the steering wheel to open the menu list.
- ▶ Press [▼] or [▲] on the steering wheel to select the Settings menu.
- ▶ Confirm by pressing [OK] on the steering wheel.
- ▶ Press [▼] or [▲] to select the Assistance submenu.
- ▶ Press [OK] to confirm your selection.
- ▶ Select Traffic Sign Assist with [▼] or [▲].
- ▶ Press [OK] to confirm.
  The current selection appears.
- ▶ **To activate/deactivate:** press the [OK] button again.
  Traffic signs and information appear in the lower part of the speedometer if the function is activated.

For further information about Traffic Sign Assist, see (▷ page 248).

Activating/deactivating COLLISION PREVENTION ASSIST PLUS

- ▶ Press [⌂] on the steering wheel to open the menu list.
- ▶ Press [▼] or [▲] on the steering wheel to select the Settings menu.
- ▶ Confirm by pressing [OK] on the steering wheel.
- ▶ Press [▼] or [▲] to select the Assistance submenu.
- ▶ Press [OK] to confirm your selection.
- ▶ Select Collision Prevention with [▲] or [▼].
- ▶ Press [OK] to confirm.
  The current selection appears.
- ▶ **To activate/deactivate:** press [OK] again.

When COLLISION PREVENTION ASSIST PLUS is deactivated, the [OFF] symbol appears in the multifunction display in the Assistance graphic menu.

For further information about COLLISION PREVENTION ASSIST PLUS, see (▷ page 77).

Activating/deactivating PRE-SAFE® Brake

PRE-SAFE® Brake is only available for vehicles with the Driving Assistance Plus package.

- ▶ Press [⌂] on the steering wheel to open the menu list.
- ▶ Press [▼] or [▲] on the steering wheel to select the Settings menu.
- ▶ Confirm by pressing [OK] on the steering wheel.
- ▶ Press [▼] or [▲] to select the Assistance submenu.
- ▶ Press [OK] to confirm your selection.
- ▶ Select PRE-SAFE Brake with [▼] or [▲].
- ▶ Press [OK] to confirm.
  The current selection appears.
- ▶ **To activate/deactivate:** press [OK] again.

When PRE-SAFE® Brake is deactivated, the [OFF] symbol appears in the multifunction display in the Assistance graphic menu.

Further information on PRE-SAFE® Brake (▷ page 82).

Activating/deactivating Active Blind Spot Assist

- ▶ Press ⌂ on the steering wheel to open the menu list.
- ▶ Press ▼ or ▲ on the steering wheel to select the Settings menu.
- ▶ Confirm by pressing OK on the steering wheel.
- ▶ Press ▼ or ▲ to select the Assistance submenu.
- ▶ Press OK to confirm your selection.
- ▶ Select Blind Spot Assist with ▼ or ▲.
- ▶ Press OK to confirm.
  The current selection appears.
- ▶ **To activate/deactivate:** press the OK button again.
  When Active Blind Spot Assist is activated, white radar waves propagating backwards appear next to the vehicle in the Assistance graphic.

For further information about Active Blind Spot Assist, see (▷ page 253).

Setting ATTENTION ASSIST

- ▶ Press ⌂ on the steering wheel to open the menu list.
- ▶ Press ▼ or ▲ on the steering wheel to select the Settings menu.
- ▶ Confirm by pressing OK on the steering wheel.
- ▶ Press ▼ or ▲ to select the Assistance submenu.
- ▶ Press OK to confirm your selection.
- ▶ Select ATTENTION ASSIST with ▼ or ▲.
- ▶ Press OK to confirm your selection.
- ▶ Press ▼ or ▲ to select Deactivated, Standard or Sensitive.
- ▶ Press the OK button to confirm the selection.

When ATTENTION ASSIST is deactivated, the OFF symbol appears in the Assistance graphic menu in the multifunction display.

For further information about ATTENTION ASSIST, see (▷ page 247).

Activating/deactivating Active Lane Keeping Assist

- ▶ Press ⌂ on the steering wheel to open the menu list.
- ▶ Press ▼ or ▲ on the steering wheel to select the Settings menu.
- ▶ Confirm by pressing OK on the steering wheel.
- ▶ Press ▼ or ▲ to select the Assistance submenu.
- ▶ Press OK to confirm your selection.
- ▶ Select Lane Keeping Assist with ▼ or ▲.
- ▶ Press OK to confirm.
  The current selection, Standard or Adaptive, appears.
- ▶ **To change the setting:** press OK again.

Further information about Active Lane Keeping Assist (▷ page 256).

HYBRID submenu (PLUG-IN HYBRID vehicles)

Setting the maximum charge current

Using the Max. charge current function, you can limit the charge current value at which the high-voltage battery should be charged.

Before charging the high-voltage battery at a power socket, check the maximum permissible charge current for the relevant power socket or the building.

Only set the maximum permissible charge current using the function if:

- it is not possible to set the charge current on the charging cable
- the precise maximum permitted charge current can only be set via the on-board computer

Before charging the high-voltage battery at a wallbox or charging station, ensure that the charging current is not limited by the function. If charging at a wallbox or a charging station, select the maximum value.

Further information on charging the high-voltage battery and setting the charge current (PLUG-IN HYBRID vehicles) (▷ page 197).

- ▶ Press ⌂ on the steering wheel to open the menu list.
- ▶ Press ▼ or ▲ on the steering wheel to select the Settings menu.

- ▶ Confirm by pressing OK on the steering wheel.
- ▶ Press ▼ or ▲ to select the Hybrid submenu.
- ▶ Press OK to confirm.
- ▶ Press ▼ or ▲ to select the Max. charge current function.
  You will see the selected setting.
- ▶ Press the OK button to save the setting.

Before charging the high-voltage battery, check the maximum permissible charge current for the relevant power socket.

Further information on charging the high-voltage battery (PLUG-IN HYBRID vehicles) (▷ page 197).

Setting the departure time

You can use the "Set departure time" function to climatise the vehicle interior before departure. Further information on pre-entry climate control (▷ page 165).

If you recharge the high-voltage battery, the function also displays the charging prediction.

- ▶ Press ⌂ on the steering wheel to open the menu list.
- ▶ Press ▼ or ▲ on the steering wheel to select the Settings menu.
- ▶ Confirm by pressing OK on the steering wheel.
- ▶ Press ▼ or ▲ to select the Hybrid submenu.
- ▶ Press OK to confirm.
- ▶ Press ▼ or ▲ to select the Departure time function.
  You will see the selected setting.
- ▶ Press the OK button to save the setting.
- ▶ **To set no departure time:** press ▼ or ▲ to select No preselection.
- ▶ Press OK to confirm.
  If you recharge the high-voltage battery, the multifunction display also shows the time when the high-voltage battery will be fully charged.

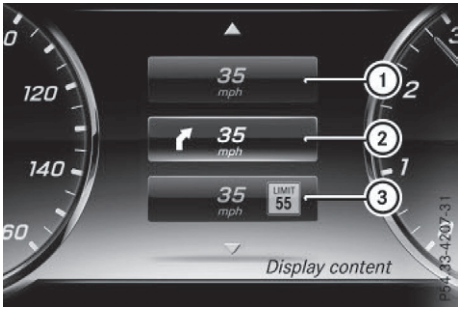
or

- ▶ **To set a departure time:** press ▼ or ▲ A, B or C to select the desired preset.
- ▶ Press OK to confirm the selection.
- ▶ Press ▼ or ▲ to set the hours.
- ▶ Press OK to confirm.
- ▶ Press ▼ or ▲ to set the minutes.
- ▶ Press OK to confirm.
  If you recharge the high-voltage battery, the multifunction display shows the expected charge status of the high-voltage battery for the departure time set.

Further information on charging the high-voltage battery (PLUG-IN HYBRID vehicles) (▷ page 197).

Head-up display submenu

Selecting other displays



① Vehicle speed display
② Vehicle speed and navigation instruction display
③ Vehicle speed display and Traffic Sign Assist

Using the Display content function, you can choose from up to four display options depending on the vehicle's equipment. The selected contents appear in the head-up display.

In Mercedes-AMG vehicles, you can also choose between two AMG displays. If you select an AMG display, the head-up display shows AMG-specific contents.

- ▶ Press ⌂ on the steering wheel to open the menu list.
- ▶ Press ▼ or ▲ on the steering wheel to select the Settings menu.
- ▶ Confirm by pressing OK on the steering wheel.
- ▶ Press ▼ or ▲ to select the Head-up display submenu.
- ▶ Press OK to confirm.
- ▶ Select Display content with ▼ or ▲.
- ▶ Press OK to confirm.
  A graphic selection list appears.

- ▶ Press ▼ or ▲ to select the desired display.
- ▶ Press the OK button to confirm the selection.

For further information about the traffic sign displays, see Traffic Sign Assist (▷ page 248).

Further information on navigation displays can be found in the multimedia system; see the separate operating instructions.

Setting the position

You can adjust the position of the head-up display on the windscreen. You can compensate for height differences if the seat positions are changed, for example.

- ▶ Switch on the head-up display (▷ page 294).
- ▶ Press ⌂ on the steering wheel to open the menu list.
- ▶ Press ▼ or ▲ on the steering wheel to select the Settings menu.
- ▶ Confirm by pressing OK on the steering wheel.
- ▶ Use ▼ or ▲ to select the Head-up display submenu.
- ▶ Press OK to confirm.
- ▶ Press ▼ or ▲ to select the Position function.
- ▶ Press OK to save the setting.
- ▶ Press ▼ or ▲ to adjust the position to a level from Level +5 (up) to Level -5 (down).
- ▶ Press OK or ↩ to save the setting.

Using the Memory function, you can save and call up the set position of the head-up display as a single memory preset (▷ page 135).

Adjusting the brightness

The brightness of the head-up display is automatically adjusted to the surrounding light conditions. You can also individually adjust the brightness of the head-up display.

- ▶ Switch on the head-up display (▷ page 294).
- ▶ Press ⌂ on the steering wheel to open the menu list.
- ▶ Press ▼ or ▲ on the steering wheel to select the Settings menu.
- ▶ Confirm by pressing OK on the steering wheel.
- ▶ Use ▼ or ▲ to select the Head-up display submenu.
- ▶ Press OK to confirm.
- ▶ Press ▼ or ▲ to select the Brightness function.
- ▶ Press the OK button to save the setting.
- ▶ Press ▼ or ▲ to adjust the brightness to a level from Level +5 (bright) to Level -5 (dark).
- ▶ Press the OK or ↩ button to save the setting.

Light submenu

Switching the Intelligent Light System on/off

- ▶ Press ⌂ on the steering wheel to open the menu list.
- ▶ Press ▼ or ▲ on the steering wheel to select the Settings menu.
- ▶ Confirm by pressing OK on the steering wheel.
- ▶ Press ▼ or ▲ to select the Lights submenu.
- ▶ Press OK to confirm.
- ▶ Press ▼ or ▲ to select the Intelligent Light System function.
  If the Intelligent Light System function has been switched on, the cone of light and the ≡D symbol in the multifunction display are shown in white.
- ▶ Press the OK button to save the setting.

If you switch on the Intelligent Light System function, the following functions are activated:

- Motorway mode
- Active light function
- Cornering light function
- Extended range foglamps

If you set the dipped-beam headlamps for driving on the right/left, the multifunction display shows the Inactive for left-side traffic or Inactive for right-side traffic display message in the Lights submenu instead of the Intelligent Light System function (▷ page 310). This display message will only appear if the setting for driving on the left/right is set opposite to your vehicle's country version.

Further information on the Intelligent Light System (▷ page 142).

Switching the spotlight function on or off

- Press ⌂ on the steering wheel to open the menu list.
- Press ▼ or ▲ on the steering wheel to select the Settings menu.
- Confirm by pressing OK on the steering wheel.
- Press ▼ or ▲ to select the Lights submenu.
- Press OK to confirm.
- Press ▼ or ▲ to select the Spotlight function.
- Press the OK button to save the setting. When the spotlight function is activated, the assistance graphic shows the pedestrian symbol.

Further information on the spotlight function (▷ page 252).

Switching the daytime driving lights on/off

The Daytime driving lights function can only be switched on with the engine turned off.

- Press ⌂ on the steering wheel to open the menu list.
- Press ▼ or ▲ on the steering wheel to select the Settings menu.
- Confirm by pressing OK on the steering wheel.
- Use ▼ or ▲ to select the Lights submenu.
- Press OK to confirm.
- Using ▼ or ▲, select the Daytime driving lights function. If the Daytime driving lights function has been switched on, the cone of light and the ☀ symbol in the multifunction display are shown in white.
- Press the OK button to save the setting.

Further information on daytime driving lights Daytime driving lights (▷ page 140).

Setting the dipped-beam headlamps for driving on the left/right

This function is only available in vehicles with the Intelligent Light System.

You can use this function to switch between symmetrical and asymmetrical dipped beam (▷ page 139).

- Press ⌂ on the steering wheel to open the menu list.
- Press ▼ or ▲ on the steering wheel to select the Settings menu.
- Confirm by pressing OK on the steering wheel.
- Press ▼ or ▲ to select the Lights submenu.
- Press OK to confirm.
- Press ▼ or ▲ to select the Dipped beams Setting for function. You will see the selected setting, right-side traffic or left-side traffic.
- Press the OK button to save the setting. If you change the setting, conversion does not take place until the next time the vehicle is stationary.

If you set the dipped-beam headlamps for driving on the right/left, then motorway mode and the extended range foglamps are unavailable. These are only deactivated if the setting for driving on the left/right is set opposite to your vehicle's country version.

A qualified specialist workshop can set the dipped-beam headlamps for driving on the left/right.

Instrument cluster submenu

Selecting the distance unit

The Display unit Speed-/odometer function allows you to choose whether certain displays appear in kilometres or miles in the multifunction display.

- Press ⌂ on the steering wheel to open the menu list.
- Press the ▼ or ▲ button on the steering wheel to select the Settings menu.
- Confirm by pressing OK on the steering wheel.
- Press ▼ or ▲ to select the Instrument cluster submenu.
- Press OK to confirm.
- Press ▼ or ▲ to select the Display unit Speed-/odometer function. The current setting km or Miles appears.
- Press the OK button to save the setting.

The selected unit of measurement for distance applies to the:

- speedometer
- digital speedometer in the Trip menu
- additional speedometer in the status area on the multifunction display

  The unit in the additional speedometer is displayed inversely to the selected distance unit.
- the total distance recorder and trip meter
- the trip computer
- the current consumption and the range
- navigation instructions in the Navi menu
- cruise control
- SPEEDTRONIC
- DISTRONIC PLUS
- DISTRONIC PLUS with Steering Assist and Stop&Go Pilot
- ASSYST PLUS service interval display

Switching the additional speedometer on/off

The Digital speedo [km/h] function allows you to choose whether the status area in the multifunction display shows the speed digitally. The unit in the additional speedometer is always inverse to the speedometer unit.

- ▶ Press ⌂ on the steering wheel to open the menu list.
- ▶ Press ▼ or ▲ on the steering wheel to select the Settings menu.
- ▶ Confirm by pressing OK on the steering wheel.
- ▶ Press ▼ or ▲ to select the Instrument cluster submenu.
- ▶ Press OK to confirm your selection.
- ▶ Press ▼ or ▲ to select the Digital speedo [km/h] function.
  The current selection appears.
- ▶ **To activate/deactivate:** press OK again.

Vehicle submenu

Setting permanent SPEEDTRONIC

- ▶ Press ⌂ on the steering wheel to open the menu list.
- ▶ Press ▼ or ▲ on the steering wheel to select the Settings menu.
- ▶ Confirm by pressing OK on the steering wheel.
- ▶ Press ▼ or ▲ to select the Vehicle submenu.
- ▶ Press OK to confirm.
- ▶ Press ▼ or ▲ to select the Limit speed (winter tyres) function.
  The current setting appears.
- ▶ Press OK to confirm.
- ▶ Press ▼ or ▲ to adjust permanent SPEEDTRONIC in increments of ten (240 km/h to 160 km/h). The Off setting switches permanent SPEEDTRONIC off.
- ▶ Press the OK button to store the entry.

For further information on permanent SPEEDTRONIC (▷ page 216).

Restoring the factory settings

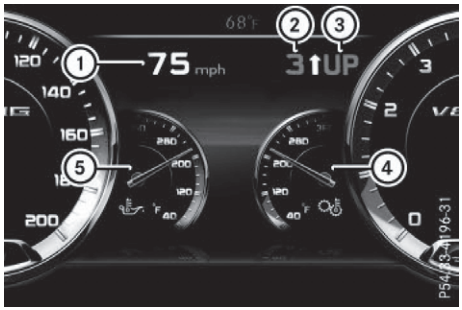
- ▶ Press ⌂ on the steering wheel to open the menu list.
- ▶ Press ▼ or ▲ on the steering wheel to select the Settings menu.
- ▶ Confirm by pressing OK on the steering wheel.
- ▶ Press ▼ or ▲ to select the Factory settings submenu.
- ▶ Press OK to confirm.
  The Reset all settings? function appears.
- ▶ Press ▼ or ▲ to select No or Yes.
- ▶ Press the OK button to confirm the selection.
  If you have selected Yes, the multifunction display shows a confirmation message.

For safety reasons, not all functions will be reset: the Limit speed (winter tyres) permanent SPEEDTRONIC function can only be set in the Vehicle submenu.

If you want to reset the Daytime driving lights function in the Lights submenu, you must turn the key to position **1** in the ignition lock.

AMG menu (Mercedes-AMG vehicles)

WARMUP



① Digital speedometer
② Gear indicator
③ Upshift indicator
④ Transmission oil temperature
⑤ Engine oil temperature

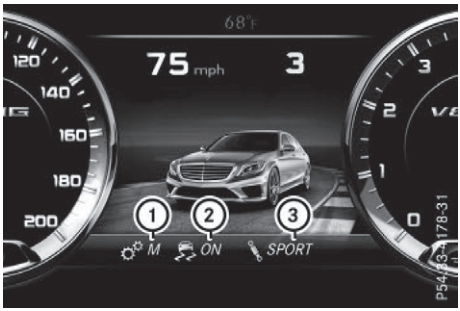
- ▶ Press [⌂] on the steering wheel to open the menu list.
- ▶ Press [▼] or [▲] on the steering wheel to select the AMG menu.
- ▶ Confirm by pressing [OK] on the steering wheel.

Upshift indicator: upshift indicator UP ③ indicates that the engine has reached the overrevving range when in the manual drive program.

Engine/transmission oil temperature: when the engine and transmission are at normal operating temperature, oil temperature ④ and ⑤ are displayed in white in the multifunction display.

If the multifunction display shows oil temperature ④ or ⑤ in blue, the engine or the transmission are not yet at normal operating temperature. Avoid using the full output of the engine during this time.

SETUP



① Drive program C, S or M
② ESP® mode (ON/OFF)
③ Suspension setting SPORT or COMFORT

- ▶ Press [⌂] on the steering wheel to open the menu list.
- ▶ Press the [▼] or [▲] button on the steering wheel to select the AMG menu.
- ▶ Confirm by pressing [OK] on the steering wheel.
- ▶ Press the [▼] or [▲] button until the SETUP display appears.

Display messages

Introduction

General notes

Display messages appear in the multifunction display.

Display messages with graphic symbols are simplified in the Owner's Manual and may differ from the symbols in the multifunction display.

Please respond in accordance with the display messages and follow the additional notes in this Owner's Manual.

With certain display messages, you will also hear a warning tone.

You can hide the display messages. The display messages are then stored in the message memory. Rectify the cause of a display message as soon as possible.

When you stop and park the vehicle, please observe the notes on:

- HOLD function (▷ page 226)
- Parking (▷ page 205)

Hiding display messages

▶ Press OK or ⮌ on the steering wheel.
The multifunction display hides the display message.

The multifunction display shows high-priority display messages in red. Some high-priority display messages cannot be hidden.

The multifunction display shows these messages continuously until the causes for the messages have been remedied.

Message memory

The on-board computer saves certain display messages in the **message memory**. You can call up the display messages:

▶ Press ⌂ on the steering wheel to open the menu list.
▶ Press ▼ or ▲ on the steering wheel to select the Service menu.
▶ Confirm by pressing OK on the steering wheel.
▶ Press ▼ or ▲ to select the message memory.
If there are no display messages, the No messages display appears in the multifunction display.
When there are display messages, the number of stored messages appears.
▶ Press OK to confirm.
▶ Press ▼ or ▲ to scroll through the display messages.

Safety systems

Display messages	Possible causes/consequences and ▶ Solutions
 currently unavailable See Owner's Manual	ABS (Anti-lock Braking System), ESP® (Electronic Stability Program), BAS (Brake Assist), PRE-SAFE®, HOLD function, hill start assist, ESP® trailer stabilisation, Crosswind Assist, adaptive brake lights, STEER CONTROL, Active Lane Keeping Assist and Active Blind Spot Assist are temporarily unavailable. BAS PLUS with Cross-Traffic Assist, PRE-SAFE® Brake, PRE-SAFE® PLUS and COLLISION PREVENTION ASSIST PLUS may also have failed. In addition, the and warning lamps light up in the instrument cluster. ATTENTION ASSIST is deactivated. For example, the on-board voltage may be insufficient. ⚠ **WARNING** The brake system continues to function normally, but without the functions listed above. The wheels could therefore lock if you brake hard, for example. The steerability and braking characteristics may be severely affected. The braking distance may increase in an emergency braking situation. If ESP® is not operational, ESP® is unable to stabilise the vehicle. There is an increased danger of skidding and risk of an accident. ▶ Drive on carefully. Carefully drive on a suitable stretch of road, making slight steering movements at a speed above 20 km/h. If the display message disappears, the functions mentioned above are available again. If the multifunction display still shows the display message: ▶ Drive on carefully. ▶ Consult a qualified specialist workshop immediately.
 inoperative See Owner's Manual	ABS, ESP®, BAS, PRE-SAFE®, HOLD function, hill start assist, ESP® trailer stabilisation, Crosswind Assist, adaptive brake lights, STEER CONTROL, Active Lane Keeping Assist and Active Blind Spot Assist are unavailable due to a malfunction. BAS PLUS with Cross-Traffic Assist, PRE-SAFE® Brake, PRE-SAFE® PLUS and COLLISION PREVENTION ASSIST PLUS may also have failed. In addition, the , and warning lamps may light up in the instrument cluster. ATTENTION ASSIST is deactivated. ⚠ **WARNING** The brake system continues to function normally, but without the functions listed above. The wheels could therefore lock if you brake hard, for example.

Display messages	Possible causes/consequences and ▶ Solutions
	The steerability and braking characteristics may be severely affected. The braking distance may increase in an emergency braking situation. If ESP® is not operational, ESP® is unable to stabilise the vehicle. There is an increased danger of skidding and risk of an accident. ▶ Drive on carefully. ▶ Consult a qualified specialist workshop immediately.
 inoperative See Owner's Manual	ESP®, BAS, PRE-SAFE®, HOLD function, hill start assist, ESP® trailer stabilisation, Crosswind Assist, adaptive brake lights, STEER CONTROL, Active Lane Keeping Assist and Active Blind Spot Assist are unavailable due to a malfunction. BAS PLUS with Cross-Traffic Assist, PRE-SAFE® Brake, PRE-SAFE® PLUS and COLLISION PREVENTION ASSIST PLUS may also have failed. The  warning lamp also lights up in the instrument cluster. ATTENTION ASSIST is deactivated. ⚠ **WARNING** The brake system continues to function normally, but without the functions listed above. The braking distance may thus increase in an emergency braking situation. If ESP® is not operational, ESP® is unable to stabilise the vehicle. There is an increased danger of skidding and risk of an accident. ▶ Drive on carefully. ▶ Consult a qualified specialist workshop immediately.

Display messages	Possible causes/consequences and ▶ Solutions
 currently unavailable See Owner's Manual	ESP®, BAS, PRE-SAFE®, HOLD function, hill start assist, ESP® trailer stabilisation, Crosswind Assist, adaptive brake lights, STEER CONTROL, Active Lane Keeping Assist and Active Blind Spot Assist are unavailable due to a malfunction. BAS PLUS with Cross-Traffic Assist, PRE-SAFE® Brake, PRE-SAFE® PLUS and COLLISION PREVENTION ASSIST PLUS may also have failed. The  warning lamp also lights up in the instrument cluster. The self-diagnosis function, for example, may not be complete. ATTENTION ASSIST is deactivated. ⚠ **WARNING** The brake system continues to function normally, but without the functions listed above. The wheels could therefore lock if you brake hard, for example. The braking distance may thus increase in an emergency braking situation. If ESP® is not operational, ESP® is unable to stabilise the vehicle. There is an increased danger of skidding and risk of an accident. ▶ Carefully drive on a suitable stretch of road, making slight steering movements at a speed above 20 km/h. If the display message disappears, the functions mentioned above are available again. If the multifunction display still shows the display message: ▶ Drive on carefully. ▶ Consult a qualified specialist workshop immediately.

Display messages	Possible causes/consequences and ▶ Solutions
 inoperative See Owner's Manual	EBD (electronic brake force distribution), ABS, ESP®, BAS, PRE-SAFE®, HOLD function, hill start assist, ESP® trailer stabilisation, Crosswind Assist, adaptive brake lights, STEER CONTROL, Active Lane Keeping Assist and Active Blind Spot Assist are unavailable due to a malfunction. BAS PLUS with Cross-Traffic Assist, PRE-SAFE® Brake, PRE-SAFE® PLUS and COLLISION PREVENTION ASSIST PLUS may also have failed. In addition, the  and  warning lamps light up in the instrument cluster and a warning tone sounds. ⚠ **WARNING** The brake system continues to function normally, but without the functions listed above. The front and rear wheels could therefore lock, for example, if you brake hard. The steerability and braking characteristics may be severely affected. The braking distance may increase in an emergency braking situation. If ESP® is not operational, ESP® is unable to stabilise the vehicle. There is an increased danger of skidding and risk of an accident. ▶ Drive on carefully. ▶ Consult a qualified specialist workshop immediately.
 Turn on the ignition to release the parking brake	The red  indicator lamp lights up. You attempted to release the electric parking brake while the ignition was switched off. ▶ Switch the ignition on.
 Release parking brake	The red  indicator lamp flashes and a warning tone sounds. A condition for automatic release of the electric parking brake is not fulfilled (▷ page 206). You are driving with the electric parking brake applied. ▶ Release the electric parking brake manually.
	The red  indicator lamp flashes and a warning tone sounds. You are making an emergency stop using the electric parking brake (▷ page 206).
 Parking brake See Owner's Manual	The yellow  warning lamp lights up. The electric parking brake is malfunctioning. **To apply:** ▶ Switch the ignition off. ▶ Press the electric parking brake lever for at least ten seconds. ▶ Shift the transmission to position **P**. ▶ Consult a qualified specialist workshop.

Display messages	Possible causes/consequences and ▶ Solutions
	The yellow (P) warning lamp and the red (P) indicator lamp are lit. The electric parking brake is malfunctioning. **To release:** ▶ Switch off the ignition and turn it back on. ▶ Release the electric parking brake manually. or ▶ Release the electric parking brake automatically (▷ page 206). If the electric parking brake still cannot be released: ▶ Do not drive on. ▶ Consult a qualified specialist workshop.
	The red (P) indicator lamp flashes and the yellow (P) warning lamp is lit. The electric parking brake is malfunctioning. **To release:** ▶ Switch off the ignition and turn it back on. ▶ Release the electric parking brake manually. **To apply:** ▶ Switch off the ignition and turn it back on. ▶ Apply the electric parking brake manually. If the red (P) indicator lamp continues to flash: ▶ Do not drive on. ▶ Safeguard the vehicle against rolling away (▷ page 437). ▶ Shift the transmission to position **P**. ▶ Turn the front wheels towards the kerb. ▶ Consult a qualified specialist workshop.
	The yellow (P) warning lamp lights up. The red (P) indicator lamp flashes for about ten seconds after the electric parking brake has been applied or released. It then goes out or remains lit. The electric parking brake is malfunctioning. ▶ Switch off the ignition and turn it back on. ▶ Apply the electric parking brake. If it is not possible to apply the electric parking brake: ▶ Shift the transmission to position **P**. ▶ Consult a qualified specialist workshop. If it is not possible to release the electric parking brake: ▶ Release the electric parking brake automatically (▷ page 206). If the electric parking brake still cannot be released: ▶ Consult a qualified specialist workshop.

Display messages	Possible causes/consequences and ▶ Solutions
	The yellow (P) warning lamp lights up. If you manually apply or release the electric parking brake, the red (P) indicator lamp flashes. The electric parking brake is malfunctioning. It is not possible to apply the electric parking brake manually. ▶ Shift the transmission to position **P**. ▶ Consult a qualified specialist workshop.
(P) Parking brake inoperative	The yellow (P) warning lamp lights up. The red (P) indicator lamp flashes for about ten seconds after the electric parking brake has been applied or released. It then goes out or remains lit. The electric parking brake is malfunctioning, e.g. because of overvoltage or undervoltage. ▶ Rectify the cause of the overvoltage or undervoltage, e.g. by charging the battery or restarting the engine. ▶ Apply or release the electric parking brake. If the electric parking brake still cannot be applied or released: ▶ Switch off the ignition and turn it back on. ▶ Apply or release the electric parking brake. If the electric parking brake still cannot be released: ▶ Consult a qualified specialist workshop. If it is still not possible to apply the electric parking brake: ▶ Consult a qualified specialist workshop.
	The yellow (P) warning lamp lights up and the red (P) indicator lamp flashes. It is not possible to apply the electric parking brake manually. ▶ Shift the transmission to position **P**. ▶ Consult a qualified specialist workshop.
(!) Check brake fluid level	There is insufficient brake fluid in the brake fluid reservoir. In addition, the red (!) warning lamp lights up in the instrument cluster and a warning tone sounds. ⚠ **WARNING** Braking efficiency may be impaired. There is a risk of an accident. ▶ 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. ▶ Safeguard the vehicle against rolling away (▷ page 205). ▶ Consult a qualified specialist workshop. ▶ Do not top up the brake fluid. This does not correct the fault.

Display messages	Possible causes/consequences and ▶ Solutions
 Check brake pad wear	The brake pads/linings have reached their wear limit. ▶ Consult a qualified specialist workshop.
 Inoperative	One or more main features of the Mercedes-Benz Contact system are malfunctioning. ▶ Consult a qualified specialist workshop.
Collision Prevention Assist Plus currently unavailable See Owner's Manual	COLLISION PREVENTION ASSIST PLUS is temporarily inoperative. Possible causes: • The radar sensor system is temporarily inoperative, e.g. due to electromagnetic radiation emitted by nearby TV or radio stations or other sources of electromagnetic radiation. • The system is outside the operating temperature range. • The on-board voltage is too low. Once the causes listed above no longer apply, the display message goes out. COLLISION PREVENTION ASSIST PLUS is operational again. If the display message does not disappear: ▶ Pull over and stop the vehicle safely as soon as possible, paying attention to road and traffic conditions. ▶ Safeguard the vehicle against rolling away (▷ page 205). ▶ Restart the engine.
Collision Prevention Assist Plus inoperative	COLLISION PREVENTION ASSIST PLUS is temporarily inoperative due to a malfunction. Adaptive Brake Assist may also have failed. ▶ Consult a qualified specialist workshop immediately.
PRE-SAFE inoperative See Owner's Manual	Important PRE-SAFE® functions have failed. All other occupant safety systems, e.g. airbags, remain available. ▶ Consult a qualified specialist workshop immediately.

Display messages	Possible causes/consequences and ▶ Solutions
PRE-SAFE Functions currently limited See Owner's Manual	PRE-SAFE® PLUS or PRE-SAFE® Brake is temporarily inoperative. Possible causes: • The function is impaired due to heavy rain or snow. • The radar sensor system is temporarily inoperative, e.g. due to electromagnetic radiation emitted by nearby TV or radio stations or other sources of electromagnetic radiation. • The system is outside the operating temperature range. • The on-board voltage is too low. Once the causes listed above no longer apply, the display message goes out. PRE-SAFE® PLUS and PRE-SAFE® Brake are operational again. If the display message does not disappear: ▶ Pull over and stop the vehicle safely as soon as possible, paying attention to road and traffic conditions. ▶ Safeguard the vehicle against rolling away (▷ page 205). ▶ Restart the engine.
PRE-SAFE Functions limited See Owner's Manual	PRE-SAFE® PLUS or PRE-SAFE® Brake is unavailable due to a malfunction. BAS PLUS with Cross-Traffic Assist may also have failed. ▶ Consult a qualified specialist workshop immediately.

Display messages	Possible causes/consequences and ▶ Solutions
Radar sensors dirty See Owner's Manual	At least one of the following driving systems or driving safety systems is temporarily restricted or inoperative: • PRE-SAFE® PLUS • PRE-SAFE® Brake • COLLISION PREVENTION ASSIST PLUS • Active Lane Keeping Assist • Active Blind Spot Assist • DISTRONIC PLUS with Steering Assist and Stop&Go Pilot If the radar sensor system in front is dirty, Active Blind Spot Assist will not perform a course-correcting brake application. Possible causes: • The sensors in the radiator trim and/or in the bumpers are dirty. • The function of the driving system and/or driving safety system is impaired due to heavy rain or snow. A warning tone also sounds. Once the causes listed above no longer apply, the display message goes out. All driving systems and driving safety systems are operational again. If the display message does not disappear: ▶ Pull over and stop the vehicle safely as soon as possible, paying attention to road and traffic conditions. ▶ Safeguard the vehicle against rolling away (▷ page 205). ▶ Switch off the engine. ▶ Clean the sensors (▷ page 402) in the following locations: • in the radiator trim • in the front bumper • in the rear bumper, particularly in the middle of the rear bumper ▶ Restart the engine. The display message disappears.
Check belt routing Left rear See Owner's Manual or Check belt routing, right rear See Owner's Manual	The seat belt buckle extender on the right or left of the rear compartment is not in the predefined position. The belt strap may be jammed in the belt tongue. ⚠ **WARNING** If the seat belt buckle extender is not in the predefined position, the seat belt cannot provide the intended level of protection. This poses an increased risk of injury. ▶ Pull over and stop the vehicle safely as soon as possible, paying attention to road and traffic conditions. ▶ Rectify the jam. ▶ Repeat the seat belt fastening procedure.

Display messages	Possible causes/consequences and ▶ Solutions
	The seat belt buckle extender on the right or left of the rear compartment is not in the predefined position. The seat belt buckle extender may be jammed. ⚠ **WARNING** If the seat belt buckle extender is not in the predefined position, the seat belt cannot provide the intended level of protection. This poses an increased risk of injury. ▶ Move the seat cushion forwards (▷ page 115) and remove the cause of the jam. ▶ Repeat the seat belt fastening procedure.
	The seat belt buckle extender on the right or left of the rear compartment is not in the predefined position. The seat belt may be locked. ⚠ **WARNING** If the seat belt buckle extender is not in the predefined position, the seat belt cannot provide the intended level of protection. This poses an increased risk of injury. ▶ Completely take off your seat belt. ▶ Repeat the seat belt fastening procedure.
	The seat belt buckle extender on the right or left of the rear compartment is not in the predefined position. There is not enough belt slack in the system. ⚠ **WARNING** If the seat belt buckle extender is not in the predefined position, the seat belt cannot provide the intended level of protection. This poses an increased risk of injury. ▶ Loosen the seat belt. ▶ Repeat the seat belt fastening procedure.
	The seat belt buckle extender on the right or left of the rear compartment is not in the predefined position. The assistance measures specified have been carried out. There is still a malfunction. ⚠ **WARNING** If the seat belt buckle extender is not in the predefined position, the seat belt cannot provide the intended level of protection. This poses an increased risk of injury. ▶ Consult a qualified specialist workshop immediately.

Display messages	Possible causes/consequences and ▶ Solutions
 Restraint sys. malfunction Consult workshop	The restraint system is faulty. The  warning lamp also lights up in the instrument cluster. ⚠ **WARNING** The airbags or belt tensioners may either be triggered unintentionally or, in the event of an accident, may not be triggered. This poses an increased risk of injury. ▶ Consult a qualified specialist workshop immediately. For further information about the restraint system, see (▷ page 46).
 Front left malfunction Consult workshop or Front right malfunction Consult workshop	The restraint system has malfunctioned at the front on the left or right. The  warning lamp also lights up in the instrument cluster. ⚠ **WARNING** The airbags or belt tensioners may either be triggered unintentionally or, in the event of an accident, may not be triggered. This poses an increased risk of injury. ▶ Consult a qualified specialist workshop immediately.
 Rear left malfunction Consult workshop or Rear right malfunction Consult workshop	The restraint system has malfunctioned at the rear on the left or right. The  warning lamp also lights up in the instrument cluster. ⚠ **WARNING** The airbags or belt tensioners may either be triggered unintentionally or, in the event of an accident, may not be triggered. This poses an increased risk of injury. ▶ Consult a qualified specialist workshop immediately.
 Rear left malfunction Consult workshop or Rear right malfunction Consult workshop	⚠ **WARNING** If the seat belt buckle extender is not in the predefined position, the seat belt cannot provide the intended level of protection. This poses an increased risk of injury. ▶ Pull over and stop the vehicle safely as soon as possible, paying attention to road and traffic conditions. ▶ Perform the specified assistance measures when display message Check belt routing Left rear See Owner's Manual or Check belt routing, right rear See Owner's Manual is shown (▷ page 322). If the display message does not disappear: ▶ Consult a qualified specialist workshop immediately.

Display messages	Possible causes/consequences and ▶ Solutions
 Rear centre malfunction Consult workshop	The restraint system has malfunctioned at the rear centre. The  warning lamp also lights up in the instrument cluster. ⚠ **WARNING** The airbags or belt tensioners may either be triggered unintentionally or, in the event of an accident, may not be triggered. This poses an increased risk of injury. ▶ Consult a qualified specialist workshop immediately.
 Left windowbag malfunction Consult workshop or Right windowbag malfunction Consult workshop	The left or right windowbag is malfunctioning. The  warning lamp also lights up in the instrument cluster. ⚠ **WARNING** The left or right windowbag may either be triggered unintentionally or, in the event of an accident, may not be triggered. This poses an increased risk of injury. ▶ Consult a qualified specialist workshop immediately.

Display messages	Possible causes/consequences and ▶ Solutions
Front-passenger airbag disabled See Owner's Manual	The front-passenger front airbag is disabled during the journey although: • an adult or • a person of the corresponding stature is on the front-passenger seat If additional forces are applied to the seat, the weight the system detects may be too low. ⚠ **WARNING** The front-passenger front airbag does not deploy during an accident. This poses an increased risk of injury. ▶ Pull over and stop the vehicle safely as soon as possible, paying attention to road and traffic conditions. ▶ Safeguard the vehicle against rolling away (▷ page 205). ▶ Switch the ignition off. ▶ Have the occupant on the front-passenger seat step out of the vehicle. ▶ Make sure that the seat is unoccupied, close the front-passenger door and switch on the ignition. ▶ Observe the PASSENGER AIR BAG indicator lamps in the centre console and the multifunction display and check the following: Seat unoccupied and ignition switched on: • a self-diagnosis is carried out. The PASSENGER AIR BAG OFF and PASSENGER AIR BAG ON indicator lamps must light up simultaneously for approximately six seconds • the PASSENGER AIR BAG OFF indicator lamp must then light up and remain lit after the self-diagnosis. If the indicator lamp is on, the automatic front-passenger front airbag deactivation system has disabled the front-passenger front airbag (▷ page 55) • the Front-passenger airbag enabled See Owner's Manual or Front-passenger airbag disabled See Owner's Manual display messages must not appear in the multifunction display ▶ Wait for a period of at least 60 seconds until the necessary system checks have been completed. ▶ Make sure that the display messages do not appear in the multifunction display. If these conditions are met, the front-passenger seat can be occupied again. Whether the PASSENGER AIR BAG OFF or ON indicator lamp remains lit or goes out depends on how the automatic front-passenger front airbag deactivation system classifies the occupant. If the conditions are not met, the system is not operating correctly. ▶ Consult a qualified specialist workshop immediately. Further information on the automatic front-passenger front airbag deactivation feature (▷ page 55).

Display messages	Possible causes/consequences and ▶ Solutions
Front-passenger airbag enabled See Owner's Manual	The front-passenger front airbag is enabled during the journey although: • a child, a small adult or an object weighing less than the system weight threshold is located on the front-passenger seat or • 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** The airbag may deploy unintentionally. This poses an increased risk of injury. ▶ Pull over and stop the vehicle safely as soon as possible, paying attention to road and traffic conditions. ▶ Safeguard the vehicle against rolling away (▷ page 205). ▶ Switch the ignition off. ▶ Open the front-passenger door. ▶ Remove the child and the child restraint system from the front-passenger seat. ▶ Make sure there are no objects applying additional force to the seat. The system may otherwise detect the additional force and interpret the seat occupant's weight as greater than it actually is. ▶ Make sure that the seat is unoccupied, close the front-passenger door and switch on the ignition. ▶ Observe the PASSENGER AIR BAG indicator lamps in the centre console and the multifunction display and check the following: Seat unoccupied and ignition switched on: • a self-diagnosis is carried out. The PASSENGER AIR BAG OFF and PASSENGER AIR BAG ON indicator lamps must light up simultaneously for approximately six seconds • the PASSENGER AIR BAG OFF indicator lamp must then light up and remain lit after the self-diagnosis. If the indicator lamp is on, the automatic front-passenger front airbag deactivation system has disabled the front-passenger front airbag (▷ page 55) • the Front-passenger airbag enabled See Owner's Manual or Front-passenger airbag disabled See Owner's Manual display messages must not appear in the multifunction display ▶ Wait for a period of at least 60 seconds until the necessary system checks have been completed. ▶ Make sure that the display messages do not appear in the multifunction display. If these conditions are met, the front-passenger seat can be occupied again. Whether the PASSENGER AIR BAG OFF or ON indicator lamp remains lit or goes out depends on how the automatic front-passenger front airbag deactivation system classifies the occupant. If the conditions are not met, the system is not operating correctly. ▶ Consult a qualified specialist workshop immediately.

Display messages	Possible causes/consequences and ▶ Solutions
	Further information on the automatic front-passenger front airbag deactivation feature (▷ page 55).

Lights

ⓘ Vehicles with LED light bulbs in the light clusters:
The display message for the corresponding lamp only appears when all the LEDs in the lamp have failed.

Display messages	Possible causes/consequences and ▶ Solutions
 Left cornering lightorRight cornering light	The left or right-hand cornering light is faulty. ▶ Consult a qualified specialist workshop.
 Left dipped beamorRight dipped beam	The left- or right-hand dipped-beam headlamp is faulty. ▶ Consult a qualified specialist workshop.
 Trailer left tail lamp or Trailer right tail lamp	The left- or right-hand trailer tail lamp is faulty. ▶ Consult the manufacturer's operating instructions.
 Trailer left indicator or Trailer right indicator	The left- or right-hand trailer turn signal lamp is faulty. ▶ Consult the manufacturer's operating instructions.
 Trailer brake lamp	The trailer brake lamp is faulty. ▶ Consult the manufacturer's operating instructions.
 Rear left indicator or Rear right indicator	The rear left-hand or rear right-hand turn signal is faulty. ▶ Consult a qualified specialist workshop.
 Front left indicator or Front right indicator	The front left-hand or front right-hand turn signal is faulty. ▶ Consult a qualified specialist workshop.

Display messages	Possible causes/consequences and ▶ Solutions
 Left mirror indicator or Right mirror indicator	The turn signal in the left-hand or right-hand exterior mirror is faulty. ▶ Consult a qualified specialist workshop.
 Left brake lamp or Right brake lamp	The left- or right-hand brake lamp is faulty. ▶ Consult a qualified specialist workshop.
 Third brake lamp	The third brake lamp is faulty. ▶ Consult a qualified specialist workshop.
 Left-hand tail lamp/ brake lamp or Right-hand tail lamp/ brake lamp	The left or right-hand tail lamp/brake lamp is faulty. ▶ Consult a qualified specialist workshop.
 Left tail lamp or Right tail lamp	The left- or right-hand tail lamp is faulty. ▶ Consult a qualified specialist workshop.
 Left main beam or Right main beam	The left- or right-hand main-beam headlamp is faulty. ▶ Consult a qualified specialist workshop.
 Number plate lamp	The left or right-hand licence plate lamp is faulty. ▶ Consult a qualified specialist workshop.
 Rear fog lamp	The rear foglamp is faulty. ▶ Consult a qualified specialist workshop.
 Front left parking lamp or Front right parking lamp	The front left or front right parking lamp is faulty. ▶ Consult a qualified specialist workshop.
 Reversing light	The left or right-hand reversing lamp is faulty. ▶ Consult a qualified specialist workshop.
 Left daytime driving lamp or Right daytime driving lamp	The left or right-hand daytime driving lamp is faulty. ▶ Consult a qualified specialist workshop.

Display messages	Possible causes/consequences and ▶ Solutions
 Active Light System inoperative	The active light function is faulty. ▶ Consult a qualified specialist workshop.
 Intell. Light System inoperative	The Intelligent Light System is faulty. The lights remain available without the Intelligent Light System. ▶ Consult a qualified specialist workshop.
 Malfunction See Owner's Manual	The exterior lighting is faulty. ▶ Consult a qualified specialist workshop.
	Vehicles with trailer tow hitch: a fuse may have blown. ▶ Check the fuses (▷ page 424). ▶ If necessary, replace the blown fuse. Observe the warning notes as you do so. If the multifunction display still shows the display message: ▶ Consult a qualified specialist workshop.
 AUTO lights inoperative	The light sensor is faulty. ▶ Consult a qualified specialist workshop.
 Switch off lights	You are leaving the vehicle and the lights are switched on. A warning tone also sounds. ▶ Turn the light switch to the AUTO position.
 Switch on headlamps	You are driving without dipped-beam headlamps. ▶ Turn the light switch to position  or AUTO.
Adaptive Highbeam Assist Plus inoperative	Adaptive Highbeam Assist Plus is faulty. ▶ Consult a qualified specialist workshop.
Adaptive Highbeam Assist Plus currently unavailable See Owner's Manual	Adaptive Highbeam Assist Plus is deactivated and temporarily inoperative. Possible causes: • the windscreen is dirty in the camera's field of vision • visibility is impaired due to heavy rain, snow or fog ▶ Clean the windscreen. If the system detects that the camera is fully operational again, the Adaptive Highbeam Assist Plus available again message is displayed. Adaptive Highbeam Assist Plus is operational again.

Engine

Display messages	Possible causes/consequences and ▶ Solutions
 Top up coolant See Owner's Manual	The coolant level is too low. ! Avoid making long journeys with too little coolant in the engine cooling system. The engine will otherwise be damaged. ▶ Top up the coolant, observing the warning notes before doing so (▷ page 396). **If you have to top up the coolant frequently:** ▶ Contact a qualified specialist workshop and have the engine cooling system checked.
	The fan motor is faulty. ▶ At coolant temperatures below 125 °C, drive to the nearest qualified specialist workshop. ▶ Avoid heavy loads on the engine as you do so, e.g. driving in mountainous terrain and stop-start traffic.
 Coolant Stop vehicle Switch engine off	The coolant is too hot. A warning tone also sounds. ⚠ **WARNING** Never drive with an overheated engine. Driving when your engine is overheated can cause some fluids which may have leaked into the engine compartment to catch fire. In addition, steam from an overheated engine can cause serious burns, which can occur just by opening the bonnet. There is a risk of injury. ▶ Stop the vehicle immediately, paying attention to road and traffic conditions, and switch off the engine. ▶ Safeguard the vehicle against rolling away (▷ page 205). ▶ Wait until the engine has cooled down. ▶ Make sure that the air supply to the engine radiator is not blocked, e.g. by frozen slush. ▶ Do not start the engine again until the display message goes out and the coolant temperature is below 125 °C. The engine may otherwise be damaged. ▶ Pay attention to the coolant temperature display. **If the temperature increases again:** ▶ Consult a qualified specialist workshop immediately. Under normal operating conditions and with the specified coolant level, the coolant temperature may rise to 124 °C.

Display messages	Possible causes/consequences and ▶ Solutions
 See Owner's Manual	The battery is not being charged. A warning tone also sounds. Possible causes: • faulty alternator • defective power electronics (HYBRID or PLUG-IN HYBRID vehicles) • torn poly-V-belt • a malfunction in the electronics **!** Do not continue driving. The engine could otherwise overheat. ▶ Stop the vehicle immediately, paying attention to road and traffic conditions, and switch off the engine. ▶ Safeguard the vehicle against rolling away (▷ page 205). ▶ Consult a qualified specialist workshop.
 Stop vehicle See Owner's Manual	The battery is no longer being charged and the battery charge level is too low. A warning tone also sounds. ▶ Stop the vehicle immediately, paying attention to road and traffic conditions, and switch off the engine. ▶ Safeguard the vehicle against rolling away (▷ page 205). ▶ Observe the instructions in the  See Owner's Manual display message. ▶ Consult a qualified specialist workshop.
 Stop vehicle Leave engine running	The battery charge level is too low. ▶ 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. ▶ Start the engine. ▶ Wait until the display message disappears before pulling away.
 Start engine See Owner's Manual	The engine is off and the battery charge level is too low. ▶ Switch off electrical consumers that you do not need, such as the rear window heating and interior lighting. ▶ Leave the engine running for a few minutes, or drive for a longer distance. The battery charges.

Display messages	Possible causes/consequences and ▶ Solutions
 Check eng. oil lev. when next refuelling	The engine oil level has dropped to the minimum level. A warning tone also sounds. ! Avoid long journeys when there is too little coolant in the cooling system. Otherwise the engine will be damaged. ▶ Check the oil level when next refuelling, at the latest (▷ page 394). ▶ If necessary, top up the engine oil (▷ page 395). **If you have to top up the engine oil frequently:** ▶ Contact a qualified specialist workshop and have the engine checked. Information on approved engine oils can be obtained from any qualified specialist workshop or on the Internet at http://bevo.mercedes-benz.com.
 Add 1 litre engine oil when next refuelling	The engine oil level has dropped to the minimum level. ! Avoid long journeys when there is too little coolant in the cooling system. Otherwise the engine will be damaged. ▶ Check the oil level when next refuelling, at the latest (▷ page 394). ▶ If necessary, top up the engine oil (▷ page 395). **If you have to top up the engine oil frequently:** ▶ Contact a qualified specialist workshop and have the engine checked. Information on approved engine oils can be obtained from any qualified specialist workshop or on the Internet at http://bevo.mercedes-benz.com.
 Engine oil level Stop vehicle Switch engine off	The engine oil level is too low. There is a risk of engine damage. ▶ Stop the vehicle immediately, paying attention to road and traffic conditions, and switch off the engine. ▶ Safeguard the vehicle against rolling away (▷ page 205). ▶ Check the engine oil level (▷ page 394). ▶ If necessary, top up the engine oil (▷ page 395).
 Reserve fuel level	The fuel level has dropped into the reserve range. Operation of the auxiliary heating is deactivated if the fuel level drops into the reserve range. ▶ Refuel at the nearest filling station.
	There is very little fuel in the fuel tank. The auxiliary heating cannot be operated. ▶ Refuel at the nearest filling station without fail.
 Replace air cleaner	Vehicles with a diesel engine: the engine air filter is dirty and must be replaced. ▶ Consult a qualified specialist workshop.

Display messages	Possible causes/consequences and ▶ Solutions
 Clean the fuel filter	Vehicles with a diesel engine: there is water in the fuel filter. The water must be drained off. ▶ Consult a qualified specialist workshop.
 Refill AdBlue See Owner's Manual	The AdBlue® level has fallen below the reserve range. A warning tone also sounds. ▶ Refill AdBlue® as soon as possible (▷ page 193).
 Refill AdBlue No start in ... mi	The AdBlue® level is only sufficient for the indicated distance. A warning tone also sounds. ▶ Refill AdBlue® immediately (▷ page 193). ⓘ If you drive the vehicle faster than 15 km/h the Refill AdBlue No start in ... mi message goes out after approximately one minute.
 Refill AdBlue Eng. start not possible	The AdBlue® tank is empty. A warning tone also sounds. You can no longer start the engine. ▶ Add at least 3.8 l of AdBlue® (▷ page 193). ▶ Turn the ignition on for approximately one minute. The system requires approximately one minute after refilling to detect the change in the AdBlue® level. ▶ Start the engine.
 Check AdBlue See Owner's Manual	The AdBlue® system is malfunctioning. A warning tone also sounds. ▶ Consult a qualified specialist workshop.
 Eng. start not possible	The AdBlue® system is malfunctioning. A warning tone also sounds. You can no longer start the engine. ▶ Consult a qualified specialist workshop immediately.

Hybrid drive system

Display messages	Possible causes/consequences and ▶ Solutions
 Vehicle is operational Switch off the ignition before exiting	PLUG-IN HYBRID vehicles: You are leaving the vehicle when it is in a ready-to-drive state. The READY indicator in the multifunction display is on. A warning tone also sounds. If you leave the vehicle: ▶ Safeguard the vehicle against rolling away (▷ page 205). ▶ Switch off the ignition and remove the key. If you do not leave the vehicle: ▶ Switch off the electrical consumers, e.g. automatic climate control, seat heating. Please note the following: the electrical consumers are supplied by the 12 V battery. If the vehicle is left in a ready-to-drive state for an extended period, it will switch off once the 12 V battery is almost empty. It will then only be possible to start the vehicle using a second battery (jump-starting).
Change the current drive program before changing the operating mode or Exit manual drive program M before changing the operating mode	PLUG-IN HYBRID vehicles: You have attempted to change the operating mode when in automatic drive program **S** (Sport) or manual drive program **M**. ▶ Activate the drive program **E** (Economy) or **E+** (Economy Plus) (▷ page 280). ▶ Select the preferred operating mode **HYBRID**, **E-MODE**, **E-SAVE** or **CHARGE** (▷ page 274).
E-MODE currently unavailable	PLUG-IN HYBRID vehicles: The charge level of the high-voltage battery has reached the lower limit and the operating mode **E-MODE** has been switched off. Driving with the internal combustion engine is activated and the operating mode switches to the basic **HYBRID** setting. ▶ Drive on using the internal combustion engine. If necessary, you can change to the **E-SAVE** or **CHARGE** operating mode (▷ page 274). If you select the **CHARGE** operating mode, the high-voltage battery is charged. When the charge level display of the high-voltage battery has risen a little, you can change back to the **E-MODE** operating mode.

Display messages	Possible causes/consequences and ▶ Solutions
Only E-MODE available Power limited Refuel immediately	PLUG-IN HYBRID vehicles: The fuel tank has been run dry and the combustion engine has been switched off. A warning tone also sounds. The vehicle will be powered by electrical energy only. Performance is restricted and the vehicle may accelerate more slowly than normal. ▶ Refuel at the nearest filling station without fail. In the "Total range and electric range" menu, you can display the approximate range of the vehicle (▷ page 279).
Without starting engine again, consult workshop	You cannot restart the engine due to a malfunction. A warning tone also sounds. If the engine is running: ▶ Consult a qualified specialist workshop. If you switch off the engine: ▶ Safeguard the vehicle against rolling away (▷ page 205). ▶ Consult a qualified specialist workshop.
 Towing not permitted See Owner's Manual	The hybrid drive system is faulty. ▶ Have the vehicle transported on a transporter or trailer to the nearest qualified specialist workshop.
 Malfunction Visit workshop	The hybrid drive system is faulty. ▶ Consult a qualified specialist workshop.
 Malfunction	The hybrid drive system is faulty. ▶ Have the vehicle towed away by a professional recovery company to the nearest qualified specialist workshop.
 Malfunction	The hybrid drive system is faulty. The ECO start/stop function may be malfunctioning. The drive power is restricted. ▶ Consult a qualified specialist workshop.
 Charger cable connected	PLUG-IN HYBRID vehicles: The charging cable connector is connected to the vehicle socket. As long as the charging cable connector is connected, you cannot drive away. Before you drive away: ▶ Remove the charging cable connector from the vehicle socket (▷ page 202).

Driving systems

Display messages	Possible causes/consequences and ▶ Solutions
 ATTENTION ASSIST: Take a break!	Based on certain criteria, ATTENTION ASSIST has detected fatigue or a lack of concentration on the part of the driver. A warning tone also sounds. ▶ If necessary, take a break. During long journeys, take regular breaks in good time so that you get enough rest.
 ATTENTION ASSIST inoperative	ATTENTION ASSIST is inoperative. ▶ Consult a qualified specialist workshop.
 Vehicle rising	Your vehicle is adjusting to the level you have selected.
 Vehicle rising Please wait	The vehicle level is too low when the vehicle is stationary. A warning tone also sounds. ▶ Do not pull away. The vehicle level is set when the display message disappears.
 Stop vehicle Vehi- cle too low	You have pulled away while the vehicle level is still too low. AIRMATIC sets the vehicle to the selected level after a short period. ▶ Pull over and stop the vehicle safely as soon as possible, paying attention to road and traffic conditions. ▶ Safeguard the vehicle against rolling away (▷ page 205). ▶ Wait until the display message disappears before pulling away.
	AIRMATIC is faulty. A warning tone also sounds. ▶ Do not drive at speeds above 80 km/h. ▶ Make only slight steering movements. Otherwise, the front wings or the tyres could be damaged if the steering movement is too great. ▶ Listen for scraping sounds. ▶ Pull over and stop the vehicle safely, paying attention to road and traffic conditions, and set a higher vehicle level. Depending on the malfunction, it may be possible to raise the vehicle. ▶ Consult a qualified specialist workshop.
 Malfunction	The AIRMATIC function is restricted. The vehicle's handling characteristics may be affected. ▶ Do not drive at speeds above 80 km/h. ▶ Consult a qualified specialist workshop.

Display messages	Possible causes/consequences and ▶ Solutions
ABC Malfunction Stop vehicle	The Active Body Control (ABC) vehicle level is too low. ▶ Pull over and stop the vehicle safely as soon as possible, paying attention to road and traffic conditions. After a few seconds, the vehicle level is adjusted and the display message disappears.
	The multifunction display continuously shows the display message. The vehicle is leaking oil. ▶ 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.
	The multifunction display continuously shows the display message. Active Body Control (ABC) is malfunctioning. ▶ Do not drive at speeds above 80 km/h. ▶ Make only slight steering movements. Otherwise, the front wing or the tyre could be damaged if the steering movement is too large. ▶ Listen for scraping sounds. ▶ Consult a qualified specialist workshop.
ABC Vehicle rising Please wait briefly	The vehicle level is too low when the vehicle is stationary. A warning tone also sounds. ▶ Do not pull away. The vehicle level is set when the display message disappears.
ABC Malfunction	The Active Body Control (ABC) function is restricted. The vehicle's handling characteristics may be affected. ▶ Do not drive at speeds above 80 km/h. ▶ Consult a qualified specialist workshop.
Active Lane Keeping Assist currently unavailable See Owner's Manual	Active Lane Keeping Assist is deactivated and temporarily inoperative. Possible causes: • The windscreen is dirty in the camera's field of vision. • Visibility is impaired due to heavy rain, snow or fog. • There have been no lane markings for an extended period. • The lane markings are worn, dark or covered, e.g. by dirt or snow. Once the causes listed above no longer apply, the display message goes out. Active Lane Keeping Assist is operational again. If the display message does not disappear: ▶ Pull over and stop the vehicle safely as soon as possible, paying attention to road and traffic conditions. ▶ Safeguard the vehicle against rolling away (▷ page 205). ▶ Clean the windscreen.

Display messages	Possible causes/consequences and ▶ Solutions
Active Lane Keeping Assist inoperative	Active Lane Keeping Assist is faulty. ▶ Consult a qualified specialist workshop.
Active Blind Spot Assist currently unavailable See Owner's Manual	Active Blind Spot Assist is temporarily inoperative. Possible causes: • The radar sensor system is outside the operating temperature range. • The radar sensor system is temporarily inoperative, e.g. due to electromagnetic radiation emitted by nearby TV or radio stations or other sources of electromagnetic radiation. Once the causes listed above no longer apply, the display message goes out. Active Blind Spot Assist is operational again. If the display message does not disappear: ▶ Pull over and stop the vehicle safely as soon as possible, paying attention to road and traffic conditions. ▶ Safeguard the vehicle against rolling away (▷ page 205). ▶ Restart the engine.
Active Blind Spot Assist not available when towing a trailer See Owner's Manual	Active Blind Spot Assist is deactivated while towing a trailer. You have established the electrical connection between the trailer and your vehicle. ▶ Press OK on the steering wheel to confirm the display message.
Active Blind Spot Assist inoperative	Active Blind Spot Assist is faulty. ▶ Consult a qualified specialist workshop.
Park Assist cancelled	The driver's door is open. ▶ Repeat the parking gap measurement and parking process with the driver's door closed.
	You touched the multifunction steering wheel while steering intervention was active. ▶ While steering intervention is active, make sure not to touch the multifunction steering wheel.
	The vehicle has started to skid and ESP® has intervened. ▶ Use Active Parking Assist again later (▷ page 234).
Park Assist inoperative	PARKTRONIC is malfunctioning or faulty. ▶ Follow the instructions and helpful hints in the "Problems with PARKTRONIC" section (▷ page 233). If the multifunction display still shows the display message: ▶ Consult a qualified specialist workshop.

Display messages	Possible causes/consequences and ▶ Solutions
	Active Parking Assist is unavailable or faulty. ▶ Switch off the ignition and restart the engine. If Active Parking Assist continues to be unavailable (the P symbol is not shown in the multifunction display): ▶ Consult a qualified specialist workshop.
Park Assist switched off	The vehicle is parked. A warning tone also sounds. The display message disappears automatically.
Night View Assist currently unavailable	Night View Assist Plus is deactivated and temporarily inoperative. Possible causes: • The windscreen is dirty in the camera's field of vision. • The camera in the radiator trim is dirty. • Visibility is impaired due to heavy rain, snow or fog. • The outside temperature is too high. ▶ Clean the windscreen. ▶ Clean the camera in the radiator trim. If the system has been switched off due to excessive outside temperatures, the system will switch back on automatically once it has cooled down. If the system detects that the camera is fully operational, the display message disappears. Night View Assist Plus is operational again.
Night View Assist inoperative	Night View Assist Plus is faulty. ▶ Consult a qualified specialist workshop.
Spotlight inoperative	Night View Assist Plus is deactivated and temporarily inoperative. Possible causes: • The windscreen is dirty in the camera's field of vision. • The camera in the radiator trim is dirty. • Visibility is impaired due to heavy rain, snow or fog. • The outside temperature is too high. ▶ Clean the windscreen. ▶ Clean the camera in the radiator trim. If the system has been switched off due to excessive outside temperatures, the system will switch back on automatically once it has cooled down. If the system detects that the camera is fully operational, the display message disappears. Night View Assist Plus is operational again.
	Night View Assist Plus is faulty. ▶ 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 inoperative. Possible causes: • The windscreen is dirty in the camera's field of vision. • Visibility is impaired due to heavy rain, snow or fog. ▶ Clean the windscreen. If the system detects that the camera is fully operational, the display message disappears. Traffic Sign Assist is operational again.
Traffic Sign Assist inoperative	Traffic Sign Assist is faulty. ▶ Consult a qualified specialist workshop.
HOLD Off	The HOLD function is deactivated. The vehicle is skidding. A warning tone also sounds. ▶ Reactivate the HOLD function later (▷ page 226).
DISTRONIC PLUS off	DISTRONIC PLUS has been deactivated. If a warning tone also sounds, DISTRONIC PLUS has deactivated automatically (▷ page 216).
DISTRONIC PLUS available again	DISTRONIC PLUS is operational again after having been temporarily unavailable. You can now reactivate DISTRONIC PLUS (▷ page 216).
DISTRONIC PLUS currently unavailable See Owner's Manual	DISTRONIC PLUS is temporarily inoperative. Steering Assist and Stop&Go Pilot are temporarily inoperative. Possible causes: • The radar sensor system is temporarily inoperative, e.g. due to electromagnetic radiation emitted by nearby TV or radio stations or other sources of electromagnetic radiation. • The system is outside the operating temperature range. • The on-board voltage is too low. A warning tone also sounds. Once the causes listed above no longer apply, the display message goes out. DISTRONIC PLUS is operational again. If the display message does not disappear: ▶ Pull over and stop the vehicle safely as soon as possible, paying attention to road and traffic conditions. ▶ Safeguard the vehicle against rolling away (▷ page 205). ▶ Restart the engine.

Display messages	Possible causes/consequences and ▶ Solutions
DISTRONIC PLUS inoperative	DISTRONIC PLUS is faulty. The following may have also failed: • BAS PLUS with Cross-Traffic Assist • PRE-SAFE® Brake • Steering Assist and Stop&Go Pilot A warning tone also sounds. ▶ Consult a qualified specialist workshop.
DISTRONIC PLUS suspended	You have depressed the accelerator pedal. DISTRONIC PLUS is no longer controlling the speed of the vehicle. ▶ Remove your foot from the accelerator pedal.
DISTRONIC PLUS - - - mph	An activation condition for DISTRONIC PLUS is not fulfilled. ▶ Check the activation conditions for DISTRONIC PLUS (▷ page 216).
DISTRONIC PLUS and SPEEDTRONIC inoperative	DISTRONIC PLUS and SPEEDTRONIC are faulty. A warning tone also sounds. Steering Assist and Stop&Go Pilot are therefore also unavailable. ▶ Consult a qualified specialist workshop.
DTR+: steering assist. currently unavailable See Owner's Manual	Steering Assist and Stop&Go Pilot are temporarily inoperative. Possible causes: • The windscreen is dirty in the camera's field of vision. • Visibility is impaired due to heavy rain, snow or fog. • There have been no lane markings for an extended period. • The lane markings are worn, dark or covered, e.g. by dirt or snow. Once the causes listed above no longer apply, the display message goes out. Steering Assist and Stop&Go Pilot are operative again. If the display message does not disappear: ▶ Pull over and stop the vehicle safely as soon as possible, paying attention to road and traffic conditions. ▶ Safeguard the vehicle against rolling away (▷ page 205). ▶ Clean the windscreen.
DTR+: steering assistant inoperative	Steering Assist and Stop&Go Pilot are faulty. However, the DISTRONIC PLUS functions are still available. A warning tone also sounds. ▶ Consult a qualified specialist workshop.
Cruise control and SPEEDTRONIC inoperative	SPEEDTRONIC and cruise control are malfunctioning. A warning tone also sounds. ▶ Consult a qualified specialist workshop.

Display messages	Possible causes/consequences and ▶ Solutions
SPEEDTRONIC suspended	If you depress the accelerator pedal beyond the pressure point (kickdown), SPEEDTRONIC is switched to passive mode. The speed limitation is not active. ▶ Drive slower than the stored speed and without kickdown. ▶ Call up the last speed stored again. or ▶ Set a new speed. When the display message disappears, the speed limitation is active.
SPEEDTRONIC Limit - - - mph	SPEEDTRONIC cannot be activated, as the activation conditions have not all been met. ▶ Check the activation conditions for SPEEDTRONIC (▷ page 214).
Cruise control - - - mph	• A condition for activating cruise control has not been met. You have tried to store a speed below 30 km/h, for example. • ESP® is deactivated The yellow ESP® OFF warning lamp is lit. ▶ If conditions permit, drive faster than 30 km/h and store the speed. or ▶ Check the activation conditions for cruise control (▷ page 211). or ▶ Reactivate ESP® (▷ page 305).
Cruise control off	Cruise control has been deactivated. If a warning tone also sounds, cruise control has deactivated automatically (▷ page 211).
120 km/h! Maximum speed exceeded	Only for certain countries: the maximum speed has been exceeded. In addition, the multifunction display shows 120 km/h!. ▶ Drive more slowly.

Tyres

Display messages	Possible causes/consequences and ▶ Solutions
Tyre pressure Check tyres	The tyre pressure loss warning system has detected a significant loss in pressure. A warning tone also sounds. Possible causes: • you have changed the positions of the wheels and tyres or fitted new wheels and tyres • the tyre pressure in one or more tyres has dropped ⚠ **WARNING** Underinflated tyres pose the following risks: • the tyres may burst, especially as the load and vehicle speed increase • the tyres may wear excessively and/or unevenly, which may greatly impair tyre traction • the driving characteristics, as well as steering and braking, may be greatly impaired There is a risk of an accident. ▶ Stop the vehicle without making any sudden steering or braking manoeuvres. Pay attention to the traffic conditions as you do so. ▶ Safeguard the vehicle against rolling away (▷ page 205). ▶ Check the tyres and, if necessary, follow the instructions for a flat tyre (▷ page 409). ▶ Check the tyre pressures and, if necessary, correct the tyre pressure. ▶ Restart the tyre pressure loss warning system when the tyre pressure is correct (▷ page 435).
Check tyre pressures then restart Run Flat Indicator	The tyre pressure loss warning system generated a display message and has not been restarted since. ▶ Set the correct tyre pressure in all four tyres. ▶ Restart the tyre pressure loss warning system (▷ page 435).
Run Flat Indicator inoperative	The tyre pressure loss warning system is faulty. ▶ Consult a qualified specialist workshop.
Rectify tyre pressure	The tyre pressure is too low in at least one of the tyres, or the tyre pressure difference between the wheels is too great. ▶ Check the tyre pressures at the next opportunity (▷ page 432). ▶ If necessary, correct the tyre pressure. ▶ Restart the tyre pressure monitor (▷ page 433).

Display messages	Possible causes/consequences and ▶ Solutions
Check tyre(s)	The tyre pressure in one or more tyres has dropped significantly. The wheel position is shown in the multifunction display. A warning tone also sounds. ⚠ **WARNING** Underinflated tyres pose the following risks: • the tyres may burst, especially as the load and vehicle speed increase • the tyres may wear excessively and/or unevenly, which may greatly impair tyre traction • the driving characteristics, as well as steering and braking, may be greatly impaired There is a risk of an accident. ▶ Stop the vehicle without making any sudden steering or braking manoeuvres. Pay attention to the traffic conditions as you do so. ▶ Safeguard the vehicle against rolling away (▷ page 205). ▶ Check the tyres and, if necessary, follow the instructions for a flat tyre (▷ page 409). ▶ Check the tyre pressure (▷ page 432). ▶ If necessary, correct the tyre pressure.
Warning tyre defect	The tyre pressure in one or more tyres has dropped suddenly. The wheel position is shown in the multifunction display. ⚠ **WARNING** If you drive with a flat tyre, there is a risk of the following hazards: • a flat tyre affects the ability to steer or brake the vehicle • you could lose control of the vehicle • continued driving with a flat tyre will cause excessive heat build-up and possibly a fire There is a risk of an accident. ▶ Stop the vehicle without making any sudden steering or braking manoeuvres. Pay attention to the traffic conditions as you do so. ▶ Safeguard the vehicle against rolling away (▷ page 205). ▶ Check the tyres and, if necessary, follow the instructions for a flat tyre (▷ page 409).
Tyre press. monitor currently unavailable	No signals can be received from the tyre pressure sensors due to strong RF interference. The tyre pressure monitor is temporarily malfunctioning. ▶ Drive on. The tyre pressure monitor restarts automatically as soon as the cause has been rectified.

Display messages	Possible causes/consequences and ▶ Solutions
Wheel sensor(s) missing	There is no signal from the tyre pressure sensor of one or several wheels. The pressure of the affected tyre is not displayed in the multifunction display. ▶ Have the faulty tyre pressure sensor replaced 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 monitor is deactivated. ▶ Fit wheels with suitable tyre pressure sensors. The tyre pressure monitor is activated automatically after driving for a few minutes.
Tyre press. monitor inoperative	The tyre pressure monitor is faulty. ▶ Consult a qualified specialist workshop.

Vehicle

Display messages	Possible causes/consequences and ▶ Solutions
To start engine, shift to either P or N	You have attempted to start the engine with the transmission in position **R** or **D**. ▶ Shift the transmission to position **P** or **N**.
Apply brake to deselect Park (P) position	You have attempted to move the transmission selector lever to position **D**, **R** or **N** without depressing the brake pedal. ▶ Depress the brake pedal.
To shift out of P or N, depress brake and start engine	With the engine switched off, you have attempted to shift the transmission out of position **P** or **N** into another transmission position. ▶ Depress the brake pedal. ▶ Start the engine.
Risk of vehicle rolling Transmission not in P	The driver's door is open or not fully closed and the transmission is in position **R**, **N** or **D**. A warning tone also sounds. ⚠ **WARNING** The vehicle may roll away. There is a risk of an accident. ▶ Shift the transmission to position **P**. ▶ Safeguard the vehicle against rolling away (▷ page 205). ▶ Close the driver's door fully.
Only select Park (P) when vehicle is stationary	The vehicle is moving. ▶ Pull over and stop the vehicle safely as soon as possible, paying attention to road and traffic conditions. ▶ Shift the transmission to position **P**.

Display messages	Possible causes/consequences and ▶ Solutions
Without changing gear, consult workshop	You cannot change the transmission position due to a malfunction. A warning tone also sounds. If transmission position **D** is selected: ▶ Drive to a qualified specialist workshop without shifting the transmission from position **D**. If transmission position **R**, **N** or **P** is selected: ▶ Safeguard the vehicle against rolling away (▷ page 205). ▶ Consult a qualified specialist workshop.
Reversing not poss. Consult workshop	You cannot shift into the transmission position **R** due to a malfunction. The transmission positions **P**, **N** or **D** continue to be available. A warning tone also sounds. ▶ Consult a qualified specialist workshop.
Transmission Malfunction Stop	A malfunction has occurred in the mechanical transmission components. A warning tone also sounds. The transmission shifts automatically to position **N**. ▶ Pull over and stop the vehicle safely as soon as possible, paying attention to road and traffic conditions. ▶ Shift the transmission to position **P**. ▶ Safeguard the vehicle against rolling away (▷ page 205). ▶ Consult a qualified specialist workshop.
Stop vehicle Leave engine running Wait Transmission cooling	PLUG-IN HYBRID vehicles: The transmission has overheated. Pulling away can be temporarily impaired or not possible. ▶ 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. ▶ Wait until the display message disappears before pulling away.
Auxiliary battery malfunction	The auxiliary battery for the transmission is no longer being charged. ▶ Consult a qualified specialist workshop. ▶ Until then, set the transmission to position **P** before you switch off the engine. ▶ Before leaving the vehicle, apply the electric parking brake.
	The boot lid is open. ▶ Close the boot lid.

Display messages	Possible causes/consequences and ▶ Solutions
	The bonnet is open. A warning tone also sounds. ⚠ **WARNING** The open bonnet may then block your view when the vehicle is in motion. There is a risk of an accident. ▶ Pull over and stop the vehicle safely as soon as possible, paying attention to road and traffic conditions. ▶ Safeguard the vehicle against rolling away (▷ page 205). ▶ Close the bonnet.
Active bonnet malfunction See Owner's Manual	The active bonnet (pedestrian protection) is not active due to a malfunction or because it has already been triggered. ▶ Consult a qualified specialist workshop.
	At least one door is open. A warning tone also sounds. ▶ Close all doors.
 Check trailer hitch lock	The trailer tow hitch is not correctly engaged. A warning tone also sounds. ⚠ **WARNING** If the ball coupling is not engaged, the trailer may come loose. There is a risk of an accident. ▶ Stop the vehicle immediately, paying attention to road and traffic conditions, and switch off the engine. ▶ Safeguard the vehicle against rolling away (▷ page 205). ▶ Engage the trailer coupling's ball coupling in the end position (▷ page 287).
In order to see the exterior mirror, adjust the front-pass. seat or remove head restraint.	The front-passenger seat is in the chauffeur mode position and the head restraint is folded down. ⚠ **WARNING** If the front-passenger seat is the chauffeur mode position and the head restraint is folded down, the view of the front-passenger exterior mirror can be impaired. There is a risk of an accident. ▶ Remove the head restraint on the front-passenger seat (▷ page 122). or ▶ Move the front-passenger seat back into the normal position (▷ page 119).

Display messages	Possible causes/consequences and ▶ Solutions
Front-passenger seat cannot be used. Visit workshop	• The front-passenger seat cannot be moved from the chauffeur mode position into the normal position. There is a malfunction. • The front passenger head restraint is folded down and can no longer be folded up. There is a malfunction. ⚠ **WARNING** If head restraints are not adjusted correctly, they cannot provide protection as intended. There is an increased risk of injury in the head and neck area, e.g. in the event of an accident or when braking. ▶ Do not use the front-passenger seat. ▶ Consult a qualified specialist workshop immediately.
 Before oper. front-pass. seat from rear, deactiv. override feature.	You have attempted to adjust the front-passenger seat from the rear compartment while the override feature is activated. ▶ Deactivate the override feature for the rear side windows (▷ page 74). ▶ Front-passenger seat adjustment from the rear (▷ page 116).
 Pre-entry climate control (via key) available again after engine start	HYBRID vehicles or PLUG-IN HYBRID vehicles: With the engine switched off, you have attempted to switch on the pre-entry climate control more than once with HYBRID vehicles or twice with PLUG-IN HYBRID vehicles. ▶ Let the engine run for ten seconds. After running the engine, the pre-entry climate control is operational again.
 Pre-entry climate control (via key) inoperative HV-battery low	HYBRID vehicles or PLUG-IN HYBRID vehicles: The on-board voltage is too low. The pre-entry climate control cannot be switched on. ▶ Drive for a considerable distance. The battery charges. When the charge status of the high-voltage battery is over the specified minimum charge status, pre-entry climate control is operational again.
 inoperative Battery low	The on-board voltage is too low. The auxiliary heating (▷ page 167) has switched itself off. The auxiliary heating cannot be switched on. ▶ Drive for a considerable distance. The battery charges. The auxiliary heating is operational again as soon as the on-board electrical system voltage is sufficient.
 inoperative Refuel vehicle	There is too little fuel in the fuel tank. The auxiliary heating cannot be switched on (▷ page 167). ▶ Refuel at the nearest filling station.

Display messages	Possible causes/consequences and ▶ Solutions
 inoperative See Owner's Man.	The auxiliary heating is temporarily malfunctioning or faulty. ▶ When the vehicle is on a level surface and the engine has cooled down, make up to four attempts to switch on the auxiliary heating, waiting several minutes between each attempt (▷ page 167). If the auxiliary heating does not switch on: ▶ Consult a qualified specialist workshop.
 Power steering malfunction See Owner's Manual	The power steering assistance is faulty. A warning tone also sounds. ⚠ **WARNING** You will need to use more force to steer. There is a risk of an accident. ▶ Check whether you are able to apply the extra force required. **If you are able to steer safely:** ▶ Drive on carefully. ▶ Consult a qualified specialist workshop immediately. **If you are unable to steer safely:** ▶ Do not drive on. ▶ Consult a qualified specialist workshop.
Telephone No service	Your vehicle is outside the network provider's transmitter/receiver range. ▶ Wait until the mobile phone operational readiness symbol appears in the multifunction display.
 Top up washer fluid	The washer fluid level in the washer fluid reservoir has dropped below the minimum. ▶ Top up the washer fluid (▷ page 397).

Key

Display messages	Possible causes/consequences and ▶ Solutions
 Key does not belong to vehicle	You have put the wrong key in the ignition lock. ▶ Use the correct key.
 Replace key	The key needs to be replaced. ▶ Consult a qualified specialist workshop.
 Change key batteries	The key battery is discharged. ▶ Change the battery (▷ page 91).

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 still cannot be detected: ▶ Insert the key into the ignition lock and turn it to the desired position.
 Key not detected (red display message)	The key is not in the vehicle. A warning tone also sounds. If the engine is switched off, you can no longer lock the vehicle centrally or start the engine. ▶ Pull over and stop the vehicle safely as soon as possible, paying attention to road and traffic conditions. ▶ Safeguard the vehicle against rolling away (▷ page 205). ▶ Locate the key. ▶ Press OK on the steering wheel to confirm the display message.
	Because there is interference from a strong source of radio waves, the key is not detected whilst the engine is running. A warning tone also sounds. ▶ Pull over and stop the vehicle safely as soon as possible, paying attention to road and traffic conditions. ▶ Safeguard the vehicle against rolling away (▷ page 205). ▶ Insert the key into the ignition lock and bring into key mode.
 Remove starting button, then insert key	The key is continually undetected. The key detection function has a temporary malfunction or is faulty. A warning tone also sounds. ▶ Insert the key into the ignition lock and turn it to the desired position. ▶ Consult a qualified specialist workshop.

Warning and indicator lamps in the instrument cluster

General notes

Some systems carry out a self-diagnosis when the ignition is switched on. Several warning and indicator lamps can thereby temporarily light up or flash. This behaviour is non-critical. These warning and indicator lamps only indicate a malfunction if they light up or flash after the engine is started or during a journey.

Safety

Seat belts

Warning/ indicator lamp	▷ Signal type Possible causes/consequences and ▶ Solutions
	▷ Only for certain countries: the red seat belt warning lamp lights up for 6 seconds after the engine starts. The seat belt warning lamp reminds the driver and front passenger to fasten their seat belts. ▶ Fasten your seat belt (▷ page 51).
	▷ Only for certain countries: the red seat belt warning lamp lights up after the engine starts. In addition, a warning tone sounds for up to 6 seconds. The driver's seat belt is not fastened. ▶ Fasten your seat belt (▷ page 51). The warning tone ceases.
	▷ The red seat belt warning lamp lights up after the engine starts, as soon as the driver's or the front-passenger door is closed. The driver or passenger has not fastened their seat belt. ▶ Fasten your seat belt (▷ page 51). The warning lamp goes out. There are objects on the front-passenger seat. ▶ Remove the objects from the front-passenger seat and stow them in a secure place. The warning lamp goes out.
	▷ The red seat belt warning lamp flashes and an intermittent audible warning sounds. The driver or passenger has not fastened their seat belt. At the same time, you are driving faster than 25 km/h or have briefly driven faster than 25 km/h. ▶ Fasten your seat belt (▷ page 51). The warning lamp goes out and the intermittent warning tone ceases. There are objects on the front-passenger seat. At the same time, you are driving faster than 25 km/h or have briefly driven faster than 25 km/h. ▶ Remove the objects from the front-passenger seat and stow them in a secure place. The warning lamp goes out and the intermittent warning tone ceases.

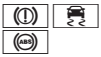
Safety systems

Warning/ indicator lamp	▷ Signal type Possible causes/consequences and ▶ Solutions
(!)	▷ HYBRID and PLUG-IN HYBRID vehicles: The yellow RBS (Recuperative Brake System) warning lamp is on. In addition, a warning tone may sound. ⚠ **Risk of accident** RBS is malfunctioning. Pedal travel may be longer than usual and braking performance may be affected. The automatic engine switch-off function may also be deactivated. ▶ Observe the messages in the multifunction display (▷ page 312). ▶ Drive on carefully. ▶ Consult a qualified specialist workshop immediately.
(!)	▷ The yellow brake system warning lamp lights up while the engine is running. HYBRID and PLUG-IN HYBRID vehicles: the yellow brake system warning lamp is shown in the READY driving status. ⚠ **WARNING** The brake system is malfunctioning and the braking characteristics may be affected. There is a risk of an accident. ▶ If the multifunction display shows a display message, please observe this. ▶ Drive on carefully. ▶ Consult a qualified specialist workshop immediately.
(!)	▷ HYBRID and PLUG-IN HYBRID vehicles: The red brake warning lamp is on. A warning tone also sounds. ⚠ **Risk of accident** RBS is malfunctioning. Pedal travel may be longer than usual and braking performance may be affected. ▶ 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. ▶ Observe the additional display messages in the multifunction display.

Warning/ indicator lamp	▷ Signal type Possible causes/consequences and ▶ Solutions
(!)	▷ The red brake system warning lamp is lit while the engine is running. HYBRID and PLUG-IN HYBRID vehicles: the red brake system warning lamp is shown in the READY driving status. A warning tone also sounds. ⚠ **WARNING** The brake boosting effect is malfunctioning and the braking characteristics may be affected. There is a risk of an accident. ▶ 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. ▶ Safeguard the vehicle against rolling away (▷ page 205). ▶ Consult a qualified specialist workshop. ▶ Observe the additional display messages in the multifunction display.
(!)	▷ The red brake system warning lamp is lit while the engine is running. HYBRID and PLUG-IN HYBRID vehicles: the red brake system warning lamp is shown in the READY driving status. A warning tone also sounds. There is insufficient brake fluid in the brake fluid reservoir. ⚠ **WARNING** Braking efficiency may be impaired. There is a risk of an accident. ▶ 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. ▶ Safeguard the vehicle against rolling away (▷ page 205). ▶ Do not top up the brake fluid. Topping up will not rectify the fault. ▶ Consult a qualified specialist workshop. ▶ Observe the additional display messages in the multifunction display.

Warning/ indicator lamp	▷ Signal type Possible causes/consequences and ▶ Solutions
	▷ The yellow ABS warning lamp is lit while the engine is running. HYBRID and PLUG-IN HYBRID vehicles: the yellow ABS warning lamp is shown in the READY driving status. ABS (Anti-lock Braking System) has been deactivated due to a fault. Therefore BAS (Brake Assist System), BAS PLUS with Cross-Traffic Assist, COLLISION PREVENTION ASSIST PLUS, ESP® (Electronic Stability Program), PRE-SAFE®, PRE-SAFE® PLUS, PRE-SAFE® Brake, the HOLD function, Hill Start Assist, ESP® trailer stabilisation, Crosswind Assist, adaptive brake lights, STEER CONTROL, Active Lane Keeping Assist and Active Blind Spot Assist are also deactivated. ATTENTION ASSIST is deactivated. ⚠ **WARNING** The brake system continues to function normally, but without the functions listed above. The wheels could therefore lock if you brake hard, for example. The steerability and braking characteristics may be severely affected. The braking distance may increase in an emergency braking situation. If ESP® is not operational, ESP® is unable to stabilise the vehicle. There is an increased danger of skidding and risk of an accident. ▶ Observe the additional display messages in the multifunction display. ▶ Drive on carefully. ▶ Consult a qualified specialist workshop immediately. If the ABS control unit is faulty, there is also a possibility that other systems, such as the navigation system or the automatic transmission, will be unavailable.

Warning/ indicator lamp	▷ Signal type Possible causes/consequences and ▶ Solutions
	▷ The yellow ABS warning lamp is lit while the engine is running. HYBRID and PLUG-IN HYBRID vehicles: the yellow ABS warning lamp is shown in the READY driving status. A warning tone also sounds. EBD is unavailable due to a malfunction. Therefore ABS, BAS, BAS PLUS with Cross-Traffic Assist, COLLISION PREVENTION ASSIST PLUS, ESP®, PRE-SAFE®, PRE-SAFE® PLUS, PRE-SAFE® Brake, the HOLD function, Hill Start Assist, ESP® trailer stabilisation, Crosswind Assist, adaptive brake lights, STEER CONTROL, Active Lane Keeping Assist and Active Blind Spot Assist are also unavailable. ATTENTION ASSIST is deactivated. ⚠ **WARNING** The brake system continues to function normally, but without the functions listed above. The front and rear wheels could therefore lock, for example, if you brake hard. The steerability and braking characteristics may be severely affected. The braking distance may increase in an emergency braking situation. If ESP® is not operational, ESP® is unable to stabilise the vehicle. There is an increased danger of skidding and risk of an accident. ▶ Observe the additional display messages in the multifunction display. ▶ Drive on carefully. ▶ Consult a qualified specialist workshop immediately.

Warning/ indicator lamp	▷ Signal type Possible causes/consequences and ▶ Solutions
	▷ The red brake warning lamp, the yellow ESP® warning lamp and the yellow ABS warning lamp are lit while the engine is running. HYBRID and PLUG-IN HYBRID vehicles: the red brake system warning lamp, the yellow ESP® warning lamp and the yellow ABS warning lamp are shown in the READY driving status. ABS and ESP® are unavailable due to a fault. Therefore BAS, BAS PLUS with Cross-Traffic Assist, COLLISION PREVENTION ASSIST PLUS, EBD, PRE-SAFE®, PRE-SAFE® PLUS, PRE-SAFE® Brake, the HOLD function, Hill Start Assist, ESP® trailer stabilisation, Crosswind Assist, adaptive brake lights, STEER CONTROL, Active Lane Keeping Assist and Active Blind Spot Assist are also unavailable. ATTENTION ASSIST is deactivated. ⚠ **WARNING** The brake system continues to function normally, but without the functions listed above. The front and rear wheels could therefore lock, for example, if you brake hard. The steerability and braking characteristics may be severely affected. The braking distance may increase in an emergency braking situation. If ESP® is not operational, ESP® is unable to stabilise the vehicle. There is an increased danger of skidding and risk of an accident. ▶ Observe the additional display messages in the multifunction display. ▶ Drive on carefully. ▶ Consult a qualified specialist workshop immediately.
	▷ The yellow ESP® warning lamp flashes while the vehicle is in motion. ESP® or traction control has intervened because there is a risk of skidding or at least one wheel has started to spin. Cruise control or DISTRONIC PLUS is deactivated. ▶ Only depress the accelerator pedal as far as necessary when pulling away. ▶ Accelerate more gently while the vehicle is in motion. ▶ Adapt your driving style to suit the road and weather conditions. ▶ Do not deactivate ESP®. In rare cases (▷ page 80) it may be better to deactivate ESP®. Observe the important safety notes on ESP® (▷ page 80).

Warning/ indicator lamp	▷ Signal type Possible causes/consequences and ▶ Solutions
	▷ The yellow ESP® warning lamp is lit while the engine is running. HYBRID and PLUG-IN HYBRID vehicles: the yellow ESP® warning lamp is shown in the READY driving status. ESP®, BAS, BAS PLUS with Cross-Traffic Assist, COLLISION PREVENTION ASSIST PLUS, PRE-SAFE®, PRE-SAFE® PLUS, PRE-SAFE® Brake, the HOLD function, Hill Start Assist, ESP® trailer stabilisation, Crosswind Assist, adaptive brake lights, STEER CONTROL, Active Lane Keeping Assist and Active Blind Spot Assist are unavailable due to a malfunction. ATTENTION ASSIST is deactivated. ⚠ **WARNING** The brake system continues to function normally, but without the functions listed above. The braking distance may thus increase in an emergency braking situation. If ESP® is not operational, ESP® is unable to stabilise the vehicle. There is an increased danger of skidding and risk of an accident. ▶ Observe the additional display messages in the multifunction display. ▶ Drive on carefully. ▶ Consult a qualified specialist workshop immediately.
	▷ The yellow ESP® OFF warning lamp is lit while the engine is running. HYBRID and PLUG-IN HYBRID vehicles: the yellow ESP® OFF warning lamp is shown in the READY driving status. ESP® is deactivated. ⚠ **WARNING** If ESP® is deactivated, ESP® is unable to stabilise the vehicle. Further driving systems or driving safety systems are thus restricted, e.g. Active Blind Spot Assist. The system does not perform course-correcting braking applications. There is an increased danger of skidding and risk of an accident. ▶ Reactivate ESP®. In rare cases (▷ page 80) it may be better to deactivate ESP®. Observe the important safety notes on ESP® (▷ page 80). ▶ Adapt your driving style to suit the road and weather conditions. If ESP® cannot be activated: ▶ Drive on carefully. ▶ Contact a qualified specialist workshop immediately and have the ESP® system checked.

Warning/ indicator lamp	▷ Signal type Possible causes/consequences and ▶ Solutions
	▷ The red indicator lamp for the electric parking brake flashes or is lit and/or the yellow warning lamp for the electric parking brake is lit. ▶ Observe the additional display messages in the multifunction display.
	▷ The red restraint system warning lamp is lit while the engine is running. The restraint system is faulty. ⚠ **WARNING** The airbags or belt tensioners may either be triggered unintentionally or, in the event of an accident, may not be triggered. This poses an increased risk of injury. ▶ Observe the additional display messages in the multifunction display. ▶ Drive on carefully. ▶ Contact a qualified specialist workshop immediately and have the restraint system checked. For further information about the restraint system, see (▷ page 46).

Engine

Warning/ indicator lamp	▷ Signal type Possible causes/consequences and ▶ Solutions
	▷ The yellow engine diagnostics warning lamp lights up while the engine is running. There may be a fault, for example: • in the engine management • in the fuel injection system • in the exhaust system • in the ignition system (for vehicles with petrol engines) • in the fuel system The emission limit values may be exceeded and the engine may be running in emergency mode. ▶ Consult a qualified specialist workshop immediately. Vehicles with a diesel engine: the fuel tank has been run dry (▷ page 192). ▶ Start the engine three to four times after refuelling. If the yellow engine diagnostics warning lamp goes out, emergency running mode is cancelled. The vehicle need not be checked.
	▷ The yellow reserve fuel warning lamp is on while the engine is running. The fuel level has dropped into the reserve range. Operation of the auxiliary heating is deactivated if the fuel level drops into the reserve range. ▶ Refuel at the nearest filling station.

Warning/ indicator lamp	▷ Signal type Possible causes/consequences and ▶ Solutions
	▷ The red coolant warning lamp comes on while the engine is running. The coolant temperature gauge is at the beginning of the cold range. The temperature sensor for the coolant temperature gauge is faulty. The coolant temperature is no longer being monitored. There is a risk of engine damage if the coolant temperature is too high. ▶ Stop the vehicle immediately, paying attention to road and traffic conditions, and switch off the engine. Do not continue driving under any circumstances. ▶ Safeguard the vehicle against rolling away (▷ page 205). ▶ Consult a qualified specialist workshop.

Warning/ indicator lamp	▷ Signal type Possible causes/consequences and ▶ Solutions
	▷ The red coolant warning lamp comes on while the engine is running. The coolant level is too low. If the coolant level is correct, the airflow to the engine radiator may be blocked or the electric engine radiator fan may be malfunctioning. The coolant is too hot and the engine is no longer being cooled sufficiently. ▶ Observe the additional display messages in the multifunction display. ▶ Stop the vehicle immediately, paying attention to road and traffic conditions, and switch off the engine. ▶ Safeguard the vehicle against rolling away (▷ page 205). ▶ Leave the vehicle and keep a safe distance from the vehicle until the engine has cooled down. ▶ Check the coolant level and top up the coolant, observing the warning notes (▷ page 396). ▶ If you have to top up the coolant frequently, have the engine cooling system checked. ▶ Make sure that the air supply to the engine radiator is not blocked, e.g. by frozen slush. ▶ Do not start the engine again until the coolant temperature is below 125 °C. The engine may otherwise be damaged. ▶ Drive to the nearest qualified specialist workshop. ▶ Avoid heavy loads on the engine as you do so, e.g. driving in mountainous terrain and stop-start traffic.
	▷ The red coolant warning lamp comes on while the engine is running. A warning tone also sounds. The coolant temperature has exceeded 124 °C. The airflow to the engine radiator may be blocked or the coolant level may be too low. ⚠ **WARNING** The engine is not being cooled sufficiently and may be damaged. Never drive with an overheated engine. Driving when your engine is overheated can cause some fluids which may have leaked into the engine compartment to catch fire. In addition, steam from an overheated engine can cause serious burns, which can occur just by opening the bonnet. There is a risk of injury. ▶ Observe the additional display messages in the multifunction display. ▶ Stop the vehicle immediately, paying attention to road and traffic conditions, and switch off the engine. ▶ Safeguard the vehicle against rolling away (▷ page 205). ▶ Leave the vehicle and keep a safe distance from the vehicle until the engine has cooled down. ▶ Check the coolant level and top up the coolant, observing the warning notes (▷ page 396). ▶ If you have to top up the coolant frequently, have the engine cooling system checked.

Warning/ indicator lamp	▷ Signal type Possible causes/consequences and ▶ Solutions
	▶ Make sure that the air supply to the engine radiator is not blocked, e.g. by frozen slush. ▶ At coolant temperatures below 125 °C, drive to the nearest qualified specialist workshop. ▶ Avoid heavy loads on the engine as you do so, e.g. driving in mountainous terrain and stop-start traffic.

Driving systems

Warning/ indicator lamp	▷ Signal type Possible causes/consequences and ▶ Solutions
	▷ 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. ▶ Increase the distance.
	▷ The red distance warning lamp lights up while the vehicle is in motion. A warning tone also sounds. You are approaching a vehicle, a pedestrian or a stationary obstacle in your line of travel at too high a speed. ▶ Be prepared to brake immediately. ▶ Pay careful attention to the traffic situation. You may have to brake or take evasive action. Further information on PRE-SAFE® Brake (▷ page 82). For further information on the distance warning function of COLLISION PREVENTION ASSIST PLUS, see (▷ page 77).

Tyres

Warning/ indicator lamp	▷ Signal type Possible causes/consequences and ▶ Solutions
	▷ The yellow tyre pressure monitor warning lamp (pressure loss or malfunction) is lit. The tyre pressure monitor has detected a loss of pressure in at least one of the tyres. ⚠ **WARNING** Underinflated tyres pose the following risks: • the tyres may burst, especially as the load and vehicle speed increase • the tyres may wear excessively and/or unevenly, which may greatly impair tyre traction • the driving characteristics, as well as steering and braking, may be greatly impaired There is a risk of an accident. ▶ Stop the vehicle without making any sudden steering or braking manoeuvres. Pay attention to the traffic conditions as you do so. ▶ Safeguard the vehicle against rolling away (▷ page 205). ▶ Observe the additional display messages in the multifunction display. ▶ Check the tyres and, if necessary, follow the instructions for a flat tyre (▷ page 409). ▶ Check the tyre pressure (▷ page 432). ▶ If necessary, correct the tyre pressure.
	▷ The yellow tyre pressure monitor warning lamp (pressure loss or malfunction) flashes for approximately one minute and then remains lit. The tyre pressure monitor is faulty. ⚠ **WARNING** The system is possibly unable to detect or register low tyre pressure. There is a risk of an accident. ▶ Observe the additional display messages in the multifunction display. ▶ Consult a qualified specialist workshop immediately.

Vehicle	
Warning/ indicator lamp	**▷ Signal type** **Possible causes/consequences and ▶ Solutions**
	▷ The red power steering warning lamp is lit while the engine is running. The power steering assistance is faulty. A warning tone also sounds. ⚠ **WARNING** You will need to use more force to steer. There is a risk of an accident. ▶ Check whether you are able to apply the extra force required. **If you are able to steer safely:** ▶ Drive on carefully. ▶ Consult a qualified specialist workshop immediately. **If you are unable to steer safely:** ▶ Do not drive on. ▶ Consult a qualified specialist workshop.

Useful information

i This Owner's Manual describes all models, series and optional equipment for your vehicle that were available at the time of going to press. National variations are possible. Note that your vehicle may not be equipped with all of the functions described. This is also the case for systems and functions relevant to safety.

i Read the information on qualified specialist workshops: (▷ page 30).

Stowage areas

Loading guidelines

⚠ **WARNING**

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

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

⚠ **WARNING**

If objects, luggage or loads are not secured or not secured sufficiently, they could slip, tip over or be flung around and thereby hit vehicle occupants. There is a risk of injury, especially when braking or abruptly changing directions.

Always store objects so that they cannot be flung around. Secure objects, luggage or loads against slipping or tipping before the journey.

⚠ **WARNING**

The exhaust tail pipe and tail pipe trim can become very hot. If you come into contact with these parts of the vehicle, you could burn yourself. There is a risk of injury.

Always be particularly careful around the exhaust tail pipe and the tail pipe trim. Allow these components to cool down before touching them.

The handling characteristics of a laden vehicle are dependent on the distribution of the load within the vehicle. For this reason, you should observe the following notes when transporting a load:

- never exceed the maximum permissible gross vehicle weight or the permissible axle loads for the vehicle (including occupants).
- the boot is the preferred place to store objects.
- position heavy loads as far forwards as possible and as low down in the boot as possible.
- 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 with sufficiently strong and wear-resistant lashing material. pad sharp edges for protection.

i Load restraints are available at any qualified specialist workshop, e.g. a Mercedes-Benz Service Centre.

Stowage compartments

Important safety notes

⚠ **WARNING**

If objects in the passenger compartment are stowed incorrectly, they can slide or be thrown around and hit vehicle occupants. In addition, cupholders, 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.

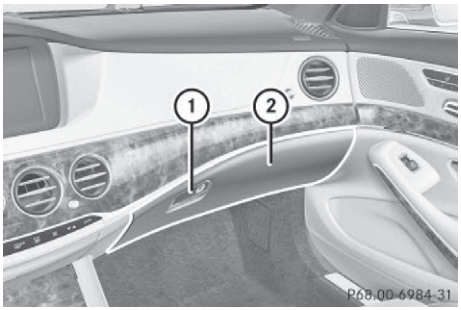
- Always stow objects so that they cannot be thrown around in such situations.
- Always make sure that objects do not protrude from stowage spaces, parcel nets or stowage nets.

- Close the lockable stowage spaces before starting a journey.
- Always stow and secure heavy, hard, pointed, sharp-edged, fragile or bulky objects in the boot.

Observe the loading guidelines (▷ page 365).

Front stowage compartments

Glove compartment

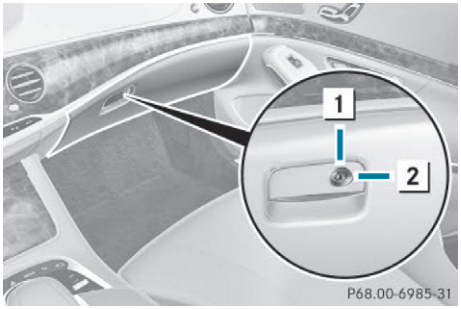


- ▶ **To open:** pull handle ① and open glove compartment flap ②.
- ▶ **To close:** fold glove compartment flap ② upwards until it engages.

The glove compartment can be cooled (▷ page 172).

The glove compartment contains:

- a coin holder
- a pen holder
- three credit card holders
- a holder for the multimedia system remote control



The glove compartment can only be locked and unlocked using the emergency key element (▷ page 90).

- ▶ **To lock:** insert the emergency key element into the lock and turn it 90° clockwise to position 2.
- ▶ **To unlock:** insert the emergency key element into the lock and turn it 90° anti-clockwise to position 1.

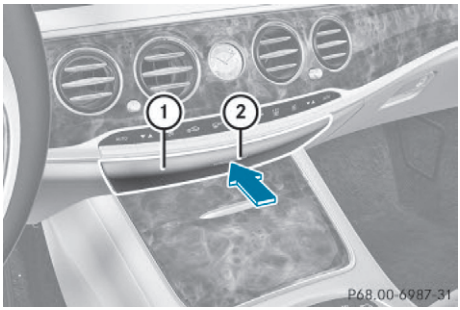
Spectacles compartment



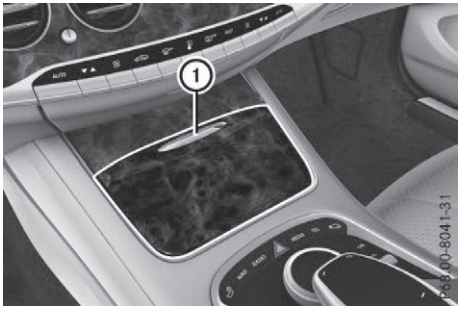
- ▶ **To open:** press marking ①. The spectacles compartment opens downwards.
- ▶ **To close:** press marking ① again and the spectacles compartment returns upwards and engages.

Make sure that the spectacles compartment is always closed while the vehicle is in motion.

Stowage compartments in the centre console

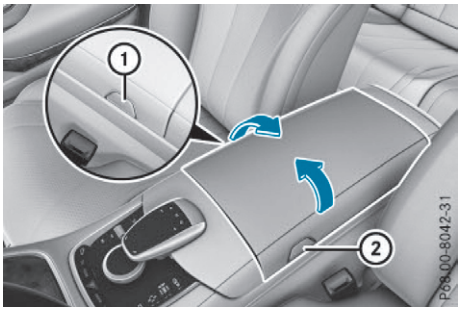


- ▶ **To open:** briefly press marking ②.
- ▶ **To close:** push stowage compartment ① in the direction of the arrow until it engages.



▶ **To open:** slide cover on chrome element ① backwards.
To close: briefly press the roughened surface beneath chrome element ①.

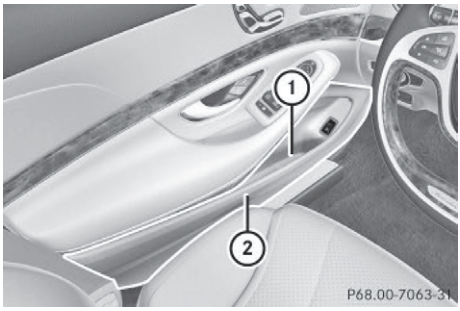
Stowage compartment/telephone compartment under the armrest



▶ **To open:** press button ① or ② and fold the armrest to the left or right.

Depending on the vehicle's equipment, a USB port, an AUX-IN jack or a Media Interface are installed in the stowage compartment. A media interface is a universal interface for portable audio or video equipment, e.g. for an iPod®, iPhone® or MP3 player (see the separate multimedia system operating instructions).

Stowage compartments in the doors



You can store items such as a rolled up fluorescent jacket and a small umbrella in stowage compartment ② in the doors.

Bottles with a capacity of up to 1.0 l may be stored in doors ①.

Rear stowage compartments

Stowage compartment in the rear seat armrest



Vehicles with a rear bench seat:

▶ **To open:** fold down the seat armrest.

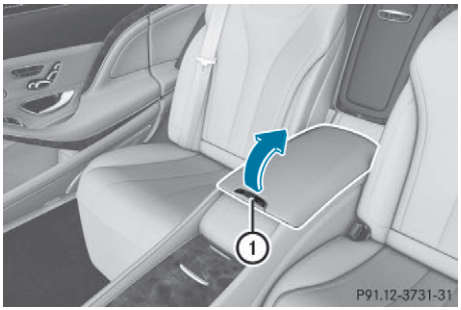
▶ Pull handle ① and fold the armrests upwards.



Vehicles with electrically adjustable outer seats:

- ▶ **To open:** fold down the seat armrest.
- ▶ Pull up on handle ① and fold the armrest upwards.

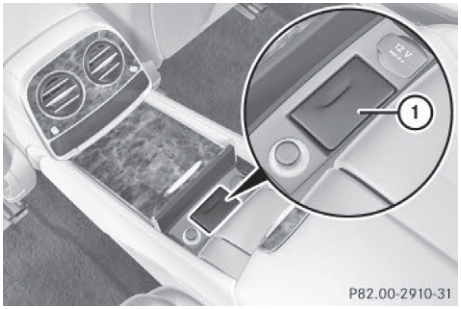
Stowage compartment in the rear-compartment centre console



Vehicles with individual seats and centre console in the rear

- ▶ Pull up on handle ① and fold the armrest upwards.

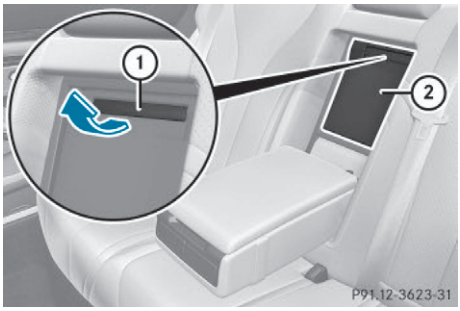
Depending on the vehicle's equipment, a USB port, an AUX-IN jack, a mobile phone bracket or a 115 V or 230 V socket are installed in the stowage compartment.



Vehicles with business telephony in the rear compartment: a stowage compartment for storing the handset in the rear compartment is located in the centre console.

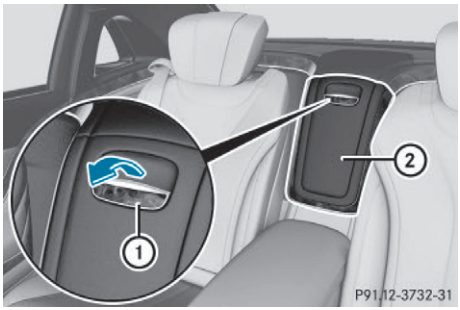
- ▶ Lightly press the lid of the socket compartment.
- ▶ Press on the handset storage compartment in rear compartment ①.

Stowage box in the rear seat backrest



Vehicles with a rear bench seat:

- ▶ **To open:** fold down the rear armrest.
- ▶ Pull handle ① and fold down cover ②.



Vehicles with electrically adjustable outer seats:

- ▶ **To open:** fold down the rear armrest.
- ▶ Pull handle ① and fold down cover ②.



Vehicles with individual seats and centre console in the rear:

- ▶ **To open:** fold down the rear armrest.
- ▶ Pull handle ① and fold down cover ②.

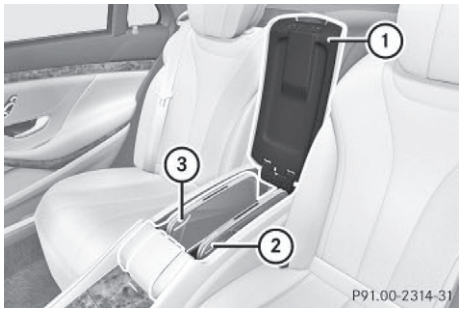
Depending on the vehicle's equipment, a DVD player is installed instead of a stowage compartment.

Folding table

⚠ WARNING

If the folding table is folded out while the vehicle is in motion, vehicle occupants may collide with the table, particularly in the event of an accident, heavy braking or sudden changes in direction. There is a risk of injury.

Fold up the folding table before every journey.



- ▶ **To fold out:** open rear armrest ① (▷ page 368).
- ▶ Pull the folding table forwards and upwards by recess ② or ③ and swing outwards.
- ▶ Fold the table panels apart.
- ▶ **To fold in:** fold the table panels together and swing in the folding table.

Stowage nets

Stowage nets are located:

- in the front-passenger footwell
- on the back of the driver's and front-passenger seat
- on the left and right-hand side in the boot

Observe the loading guidelines (▷ page 365) and the safety notes regarding stowage spaces (▷ page 365).

Skibag

Important safety notes

⚠ WARNING

The skibag in conjunction with the lashing straps cannot restrain any objects other than skis.

Vehicle occupants could be struck in the event of sudden braking or an accident, for instance, if you:

- transport other heavy or sharp-edged objects in the skibag
- do not secure the skibag with the lashing straps

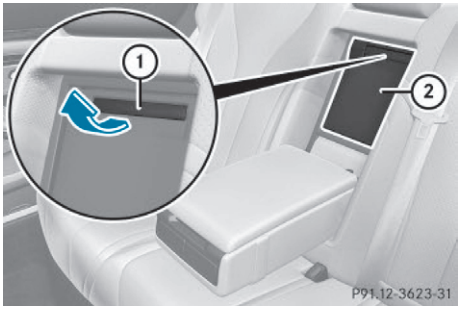
There is a risk of accident and injury.

Store only skis in the skibag. Always secure the skibag with the lashing straps so that it cannot move around.

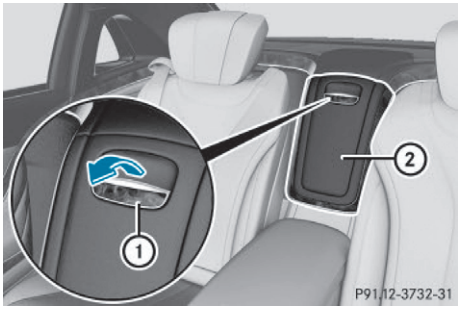
Observe the following points when using the skibag:

- do not transport more than three pairs of skis in the skibag.
- when carefully sliding the skis into or removing them from the skibag, mind the sharp edges and corners of the skis.
- stow the skis as described in the following:
  - when sliding the skis in, position the running surfaces of the respective pair of skis together.
  - position one pair of skis at the bottom with the tips of the skis pointing to the outside.
  - position the two additional pairs of skis on the left and right-hand sides above the lower pair of skis. The tips of the skis being offset by 90° to the tips of the skis below.

Unfolding the skibag and loading skis



Vehicles with a rear bench seat

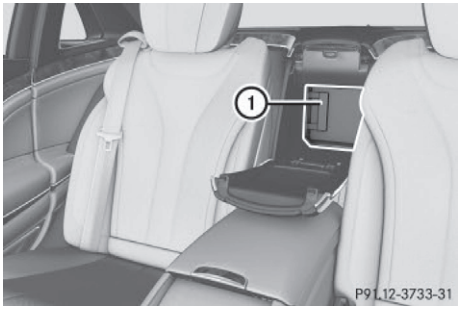


Vehicles with electrically adjustable outer seats

- ▶ **Vehicles with electrically adjustable outer seats:** fully retract the centre head restraint (▷ page 125).
- ▶ Fold down the rear seat armrest.
- ▶ Pull handle ① and fold down cover ②.

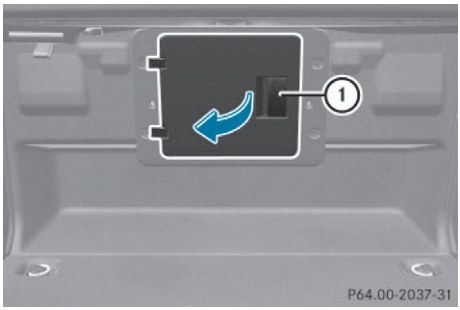


Vehicles with a rear bench seat

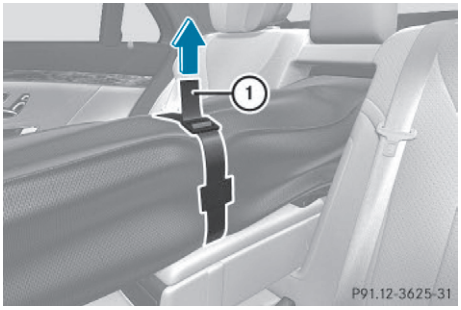


Vehicles with electrically adjustable outer seats

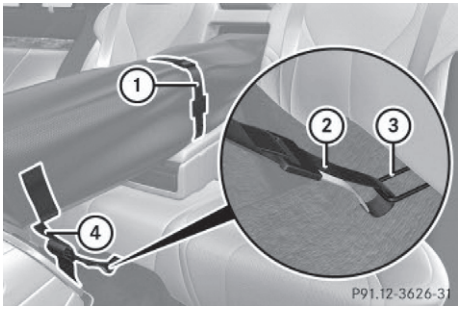
- ▶ Release the Velcro fasteners on skibag ①.
- ▶ Pull skibag ① into the vehicle interior and unfold it.
- ▶ Open the boot lid.



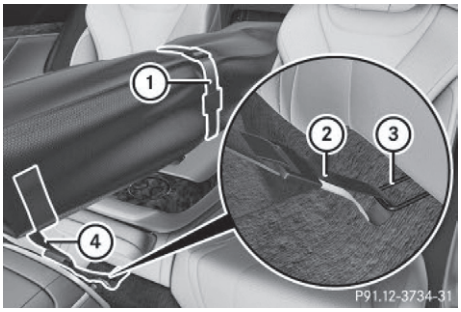
- ▶ Pull handle ① on the flap.
- ▶ Fold the flap to the side until it is held in place by the magnet.
- ▶ Slide the skis into the skibag from the boot.



▶ Pull strap ① tight by the loose end until the skis are held firmly inside the skibag.



Vehicles with a rear bench seat



Vehicles with electrically adjustable outer seats

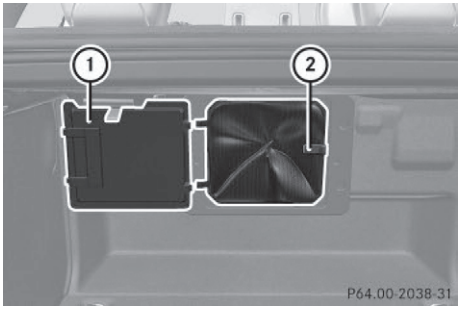
▶ Engage hook ② in securing ring ③.
▶ Pull tensioning strap ④ tight by the loose end.

Removing the skis and folding up the skibag

▶ Release lashing strap ①.
▶ Loosen tensioning strap ④.
▶ Remove hook ② from securing ring ③.
▶ Take the skis carefully out of the skibag from the boot.
▶ Close the flap in the boot.
▶ Fold up the skibag using the folding aid and close it with the Velcro fasteners.
▶ Put the skibag into the backrest.
▶ Fold the cover back up.

You should close the flap in the boot if you do not require the skibag. This will prevent unauthorised access to the boot from the vehicle interior.

Removing the skibag



You can remove the skibag if you would like to clean or dry it.

▶ Open the boot.
▶ Open flap ①.
▶ Release the skibag at catch ② and remove.

ⓘ When the skibag has been removed, you can use the through-loading facility for stowing loads.

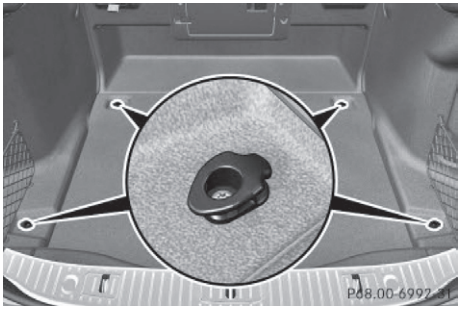
Securing loads using luggage net hooks

General notes

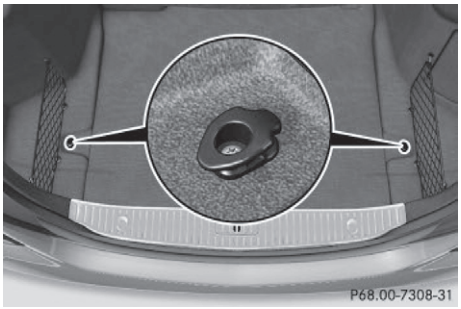
Observe the following notes on securing loads:

- secure the load using the luggage net hooks.
- do not use elastic straps or nets to secure a load. These are only intended as an anti-slip protection for light loads.
- do not route lashing materials across sharp edges or corners.
- pad sharp edges for protection.

Boot



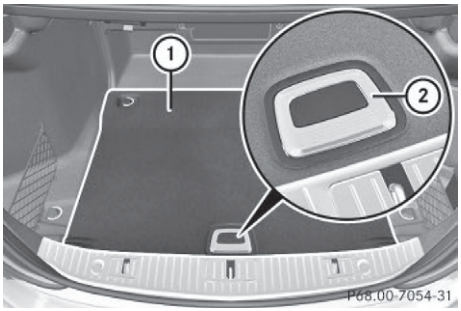
Vehicles without PLUG-IN HYBRID operation



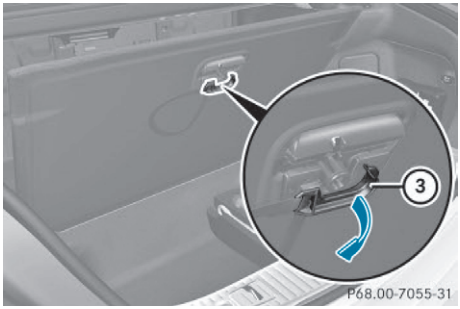
Vehicles with PLUG-IN HYBRID operation

There are four or two luggage net hooks in the boot (vehicles with PLUG-IN HYBRID operation).

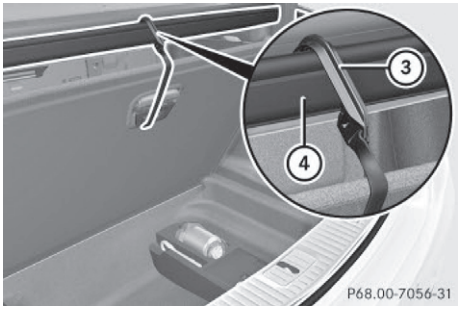
Stowage well under the boot floor



- ▶ **To open:** open the boot lid.
- ▶ Press handle ② on the ribbing downwards. Handle ② folds upwards.
- ▶ Swing boot floor ① upwards using handle ② until it rests against the boot separator.



- ▶ Fold out hook ③ on the underside of the boot floor.



- ▶ Clip hook ③ into groove ④.
- ▶ **To close:** unclip hook ③ from groove ④.
- ▶ Fasten hook ③ to the bracket on the underside of the boot floor.
- ▶ Fold the boot floor down.

Roof carrier

Important safety notes

⚠ WARNING

When a load is transported on the roof, the vehicle's centre of gravity rises and the handling changes. If you exceed the maximum roof load, the handling as well as steering and braking characteristics are severely affected. There is a risk of an accident.

Always observe the maximum roof load and adapt your driving style.

You will find information on the maximum roof load in the "Technical data" section (▷ page 474).

! Mercedes-Benz recommends that you only use roof carriers that have been tested and approved for Mercedes-Benz vehicles. This helps to prevent damage to the vehicle.

Position the load on the roof carrier in such a way that the vehicle will not sustain damage even when it is in motion.

Ensure that, depending on the vehicle's equipment, you can raise the panorama sliding sunroof fully and open the boot lid fully when the roof carrier is fitted.

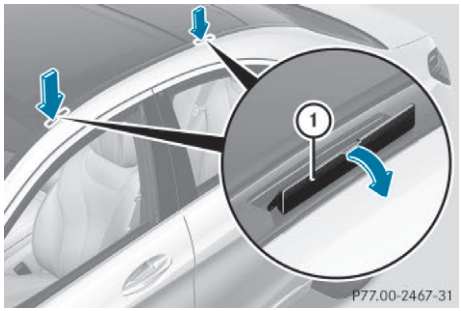
! To avoid damaging or scratching the covers, do not use metallic or hard objects to open them.

An incorrectly secured roof carrier or roof load may become detached from the vehicle. You must therefore ensure that you observe the roof carrier manufacturer's installation instructions.

Vehicles with panorama sliding sunroof: if a roof carrier is fitted, the panorama sliding sunroof cannot be opened. In order to allow ventilation of the vehicle interior, you can raise the panorama sliding sunroof.

If a roof carrier approved by Mercedes-Benz makes contact with the panorama sliding sunroof, the sunroof will lower slightly but remain raised in the rear.

Attaching the roof carrier



- ▶ Fold covers ① upwards in the direction of the arrow.
- ▶ Only secure the roof carrier to the anchorage points under covers ①.
- ▶ Observe the manufacturer's installation instructions.

Features

Cup holders

Important safety notes

⚠ **WARNING**

If objects in the passenger compartment are stowed incorrectly, they can slide or be thrown around and hit vehicle occupants. In addition, cupholders, 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 so that they cannot be thrown around in such situations.
- Always make sure that objects do not protrude from stowage spaces, parcel nets or stowage nets.
- Close the lockable stowage spaces before starting a journey.
- Always stow and secure heavy, hard, pointed, sharp-edged, fragile or bulky objects in the boot.

Observe the loading guidelines (▷ page 365).

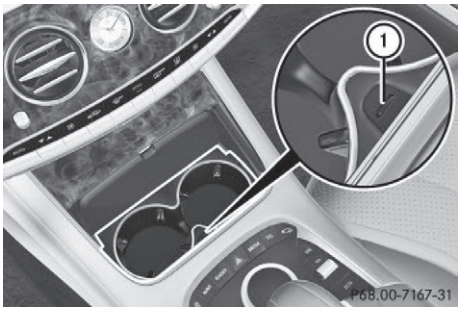
Mercedes-Maybach vehicles equipped with champagne glasses: for your own safety, when using champagne glasses, please observe the following:

- do not use the champagne glasses while the vehicle is in motion
- do not use champagne glasses made of breakable glass, and store them in the boot if possible

! Only use the cup holders for containers of the right size and which have lids. The drinks could otherwise spill.

! Do not expose drinks bottles in the cup holder in the centre console to continuous, strong and direct sunlight. The passenger compartment in the area of the centre console can otherwise be damaged by the concentrated and reflected sunlight.

Cup holders in the front centre console



- **To open:** open the stowage compartment (▷ page 366).
- Open the protective flap if necessary.
- **To remove:** slide catch ① forwards and pull the cup holder upwards.
- **To insert:** make sure that the protective flap is closed.
- Insert the cup holder and slide catch ① back.

You can remove the cup holder and the rubber mat for cleaning. Clean them with clean, lukewarm water only.

Cup holder in the rear seat armrest

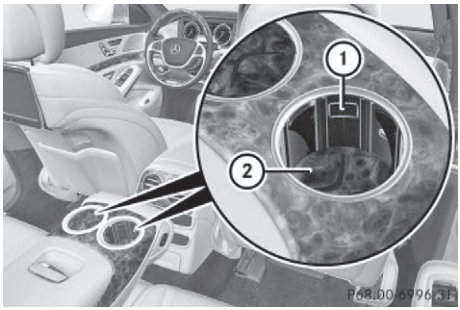
Vehicles with a rear bench seat

! Close the cup holder before folding the rear seat armrest up. Otherwise, the cup holder could be damaged.



- Fold down the rear seat armrest.
- **To open:** press the front of cup holder ① or ②.
  Cup holder ① or ② extends automatically.
- **To fold out:** place a container in the cup holder.
  The cup holder folds down automatically.
- **To fold in:** remove the container.
  The cup holder folds in automatically.
- **To close:** slide cup holder ① or ② back until it engages.

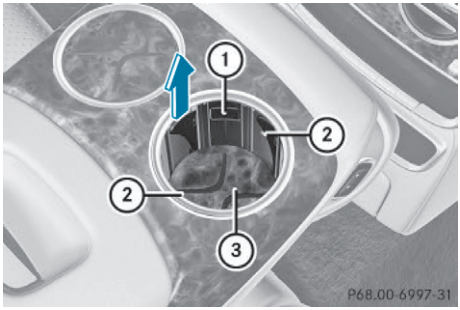
Vehicles with electrically adjustable rear bench seats



- Fold down the rear seat armrest.
- **To open:** press down cup holder base ② in the middle until it engages.
- **To close:** press closing button ①.
  Cup holder base ② pops up.

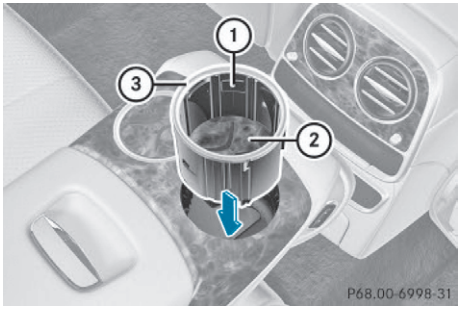
The cup holder insert can be removed for cleaning. Wash it with clean, lukewarm water only.

! Please do not pull out the cup holder insert any further than 15 mm. Otherwise, the wooden trim on the rear seat armrest could be damaged.



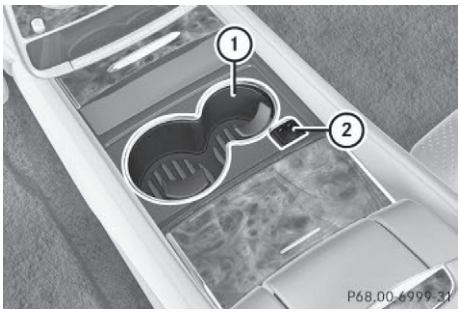
- **To remove the insert:** press down cup holder base ③ in the middle until it engages.
- Press both retaining clips ② and pull the cup holder insert upwards approximately 15 mm.
- Press button ①.
  Cup holder base ③ pops up.
- Remove the insert from the rear seat armrest completely.

! Make sure that the cup holder insert has been inserted into the recess correctly. Otherwise, the wooden trim on the rear seat armrest could be damaged.



- **To fit the insert:** make sure that cup holder base ② is in the upper position.
- Place the cup holder insert into the recess in the rear seat armrest such that button ① is facing forwards.
- Press the cup holder insert down.
- Press outer ring ③ of the cup holder insert, until the cup holder insert engages audibly.

Temperature-controlled cup holder in the rear compartment



Example: Saloon
① Cup holders
② Button

The temperature-controlled cup holder can be used to keep cold drinks cold and hot drinks hot.

When the heating function is used, the metal insert of the cup holder is heated. For this reason, you must not reach into the cup holder insert.

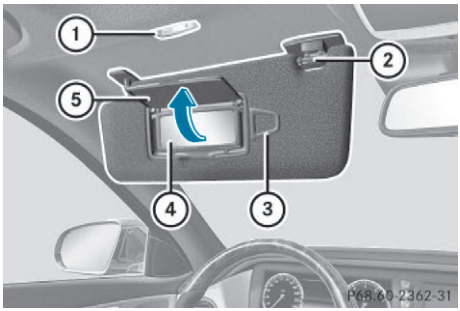
- Turn the key to position **2** in the ignition lock (▷ page 175).
- **To switch on the cooling function:** press button ② repeatedly until the blue indicator lamp on the button lights up.
- **To switch on the heating function:** press button ② repeatedly until the red indicator lamp on the button lights up.
- **To switch off the function:** press button ② repeatedly until the indicator lamp on the button goes out.

The rubber mat can be removed for cleaning. Wash it with clean, lukewarm water only.

Do not use hard or sharp objects to clean the cup holder. Use only a soft cloth to clean it.

Sun visors

Overview



① Mirror light
② Retainer
③ Retaining clip, e.g. for a car park ticket
④ Vanity mirror
⑤ Mirror cover

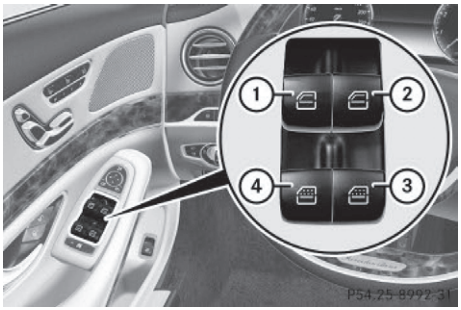
Vanity mirror in the sun visor

Mirror light ① only functions if the sun visor is clipped into retainer ② and mirror cover ⑤ has been folded up.

Glare from the side

- Fold down sun visor ①.
- Pull sun visor ① out of retainer ②.
- Swing sun visor ① to the side.

Roller sunblinds in the rear side windows



① Front left
② Front right
③ Rear right
④ Rear left

The sunblinds for the rear side windows can be operated with the buttons for the side windows.

The switches for all side windows are located on the driver's door. There is also a switch on each door for the corresponding side window.

The switches on the driver's door take precedence.

- **To close fully:** pull the corresponding switch when the side window is closed.
- **To open fully:** press the corresponding switch.

ⓘ You can use the switches on the rear doors to close the rear roller sunblinds for the opposite side.

Rear window roller sunblind

Important safety notes

⚠ **WARNING**

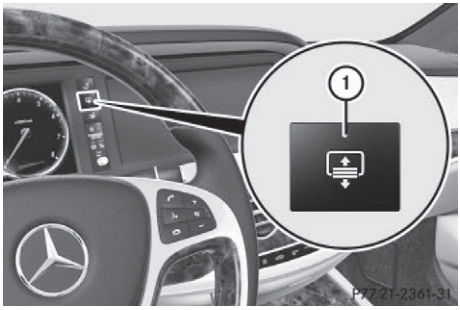
When extending or retracting, parts of the body could become trapped within the sweep of the roller sunblind. There is a risk of injury.

When extending or retracting, make sure that no one has any parts of the body within the sweep of the roller sunblind. If someone becomes trapped, briefly press the button again. The opening or closing process is briefly stopped. The roller sunblind then returns to its initial position.

❗ Make sure that the roller sunblind can move freely. Otherwise, the roller sunblind or other objects could be damaged.

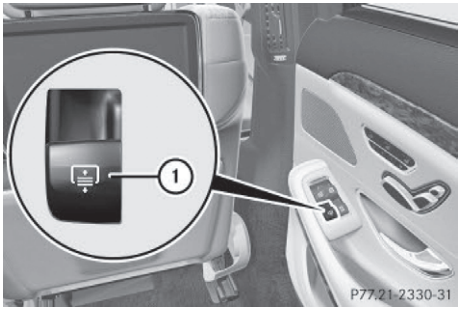
At temperatures below -20 °C the roller sunblind cannot be operated.

Extending/retracting from the driver's seat



- Turn the key to position **1** or **2** in the ignition lock (▷ page 175).
- **To extend or retract:** briefly press button ①. The roller sunblind fully extends or fully retracts.
- **To stop:** briefly press button ① again. The roller sunblind stops briefly and retracts into the out-of-use position.

Extending/retracting from the rear



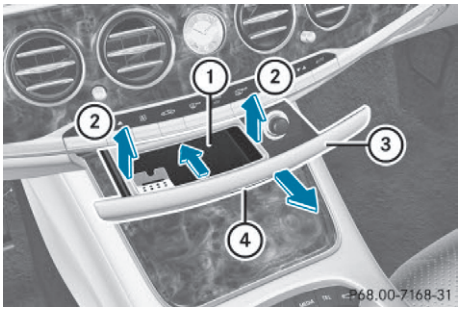
- Turn the key to position **1** or **2** in the ignition lock (▷ page 175).
- **To extend:** pull switch ① upwards and let go. The roller sunblind extends fully.
- **To stop extending:** press switch ① downwards briefly. The roller sunblind stops briefly and then retracts again.

- **To retract:** press switch ① beyond the point of resistance and let go.
  The roller sunblind retracts fully.
- **To stop retracting:** pull switch ① upwards.
  The roller sunblind stops briefly and then extends again.

When the override feature for the rear side windows is activated (▷ page 74), switch [⊟] cannot be operated. The roller sunblind can only be extended and retracted from the driver's seat.

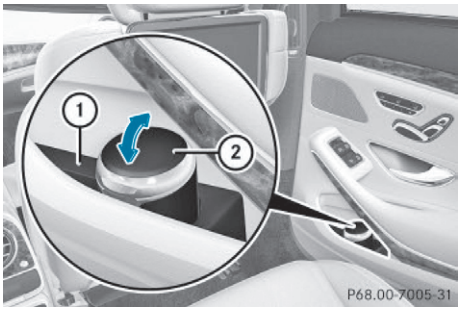
Ashtray

Front ashtray



- **To open:** briefly press marking ④.
  Stowage compartment ③ opens.
- **To remove the insert:** grip the sides of insert ①, push it forward and pull it upwards ②.
- **To refit the insert:** press insert ① into the drawer until it engages.
- **To close:** press stowage compartment ③ closed until it locks.

Rear-compartment ashtray



The ashtray is located in the stowage compartment in the rear door. To use it, you can place it in a cup holder or hold it in your hand.

- Remove the ashtray from retainer ① in the rear door.
- **To open:** fold lid ② upwards.
- **To close:** press lid ② downwards.

If you are not using the ashtray, close it and place it in the retainer in the rear door.

Cigarette lighter

Important safety notes

⚠ WARNING

You can burn yourself if you touch the hot heating element or the socket of the cigarette lighter.

In addition, flammable materials can ignite if:

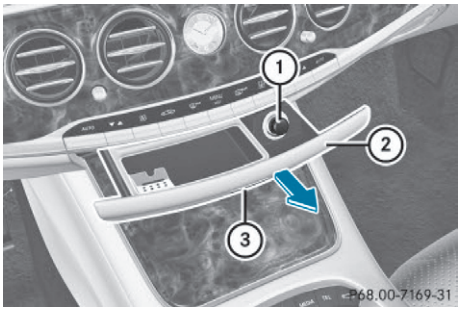
- the hot cigarette lighter falls
- a child holds the hot cigarette lighter to objects, for example

There is a risk of fire and injury.

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.

Your attention must always be focused on the traffic conditions. Only use the cigarette lighter when road and traffic conditions permit.

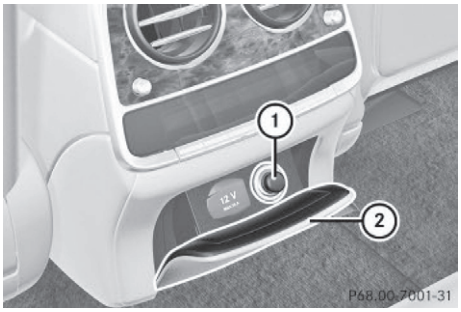
Cigarette lighter in the front compartment



- ▶ Turn the key to position **2** in the ignition lock (▷ page 175).
- ▶ **To open:** briefly press marking ③. Stowage compartment ② opens.
- ▶ Press in cigarette lighter ①. Cigarette lighter ① will pop out automatically when the heating element is red-hot.
- ▶ **To close:** press stowage compartment ② closed until it locks.

Cigarette lighter in the rear compartment

Vehicles with a rear bench seat or electrically adjustable rear seats



Vehicles without a Rear Seat Entertainment System:

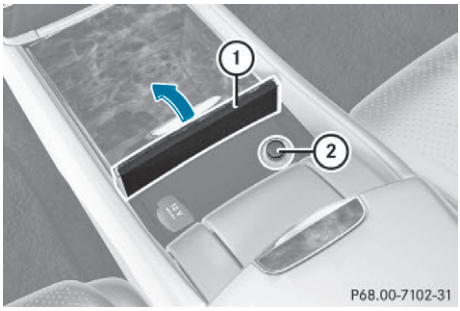
- ▶ Turn the key to position **2** in the ignition lock (▷ page 175).
- ▶ **To open:** briefly press cover ② at the top. The compartment opens.
- ▶ Press in cigarette lighter ①. Cigarette lighter ① will pop out automatically when the heating element is red-hot.
- ▶ **To close:** press cover ② closed until it locks.



Vehicles with a Rear Seat Entertainment System:

- ▶ Turn the key to position **2** in the ignition lock (▷ page 175).
- ▶ **To open:** briefly press the top of cover ②. The compartment opens.
- ▶ Press in cigarette lighter ①. Cigarette lighter ① will pop out automatically when the heating element is red-hot.
- ▶ **To close:** press cover ② closed until it locks.

Vehicles with individual seats in the rear



Example: Saloon

- ▶ Press lid ① of the socket compartment briefly. The socket compartment opens.
- ▶ Press in cigarette lighter ②. Cigarette lighter ② will pop out automatically when the heating element is red-hot.

12 V sockets

General notes

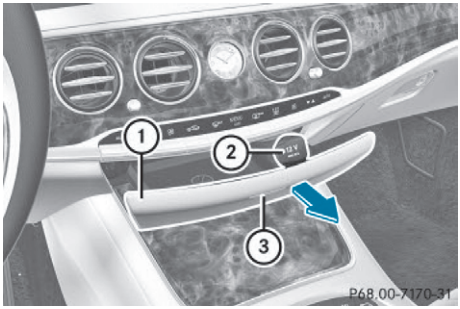
- ▶ Turn the key to position **1** in the ignition lock (▷ page 175).

The sockets can be used for accessories with a maximum draw of 180 W (15 A). Accessories include such items as mobile phone chargers.

If you use the sockets for long periods when the engine is switched off, the battery may discharge.

An emergency cut-off ensures that the on-board voltage does not drop too low. If the on-board voltage is too low, the power to the sockets is automatically cut. This ensures that there is sufficient power to start the engine.

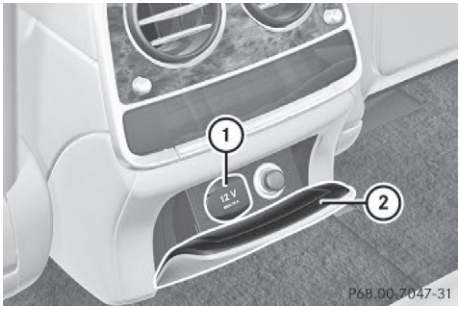
Socket in the front centre console



- ▶ **To open:** briefly press marking ③. Stowage compartment ① opens.
- ▶ Lift up the cover of socket ②.
- ▶ **To close:** press stowage compartment ① closed until it locks.

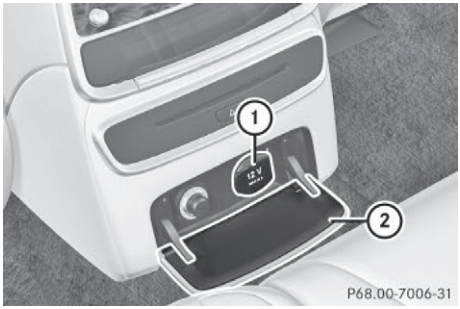
Socket in the rear compartment

Vehicles with a rear bench seat or electrically adjustable rear seats



Vehicles without a Rear Seat Entertainment System:

- ▶ **To open:** briefly press cover ② at the top. The compartment opens.
- ▶ Lift up the cover of socket ①.
- ▶ **To close:** press cover ② closed until it locks.

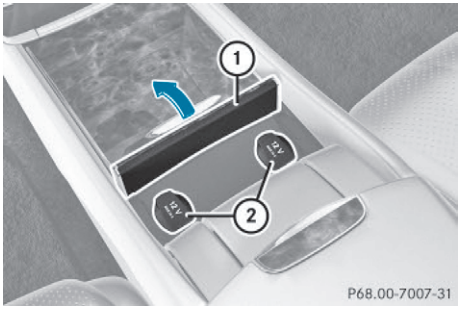


Vehicles with a Rear Seat Entertainment System:

- ▶ **To open:** briefly press the top of cover ②. The compartment opens.
- ▶ Lift up the cover of socket ①.
- ▶ **To close:** press cover ② closed until it locks.

On vehicles with a 230 V socket, there is no 12 V socket in the centre console in the rear compartment.

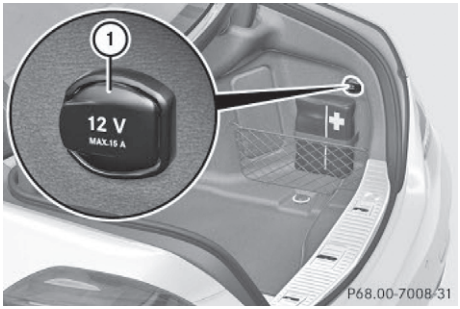
Vehicles with individual seats in the rear



Example: Saloon

- ▶ Press lid ① of the socket compartment briefly. The socket compartment opens.
- ▶ Lift up the cover of socket ②.

Socket in the boot



▶ Lift up the cover of socket ①.

230 V socket

Important safety notes

⚠ DANGER

When a suitable device is connected, the 230 V power socket will be carrying a high voltage. You could receive an electric shock if the connector cable or the 230 V power socket is pulled out of the trim or is damaged or wet. There is a risk of fatal injury.

- Use only connector cables that are dry and free of damage.
- When the ignition is off, make sure that the 230 V power socket is dry.
- Immediately have the 230 V power socket checked or replaced at a qualified specialised workshop if it is damaged or has been pulled out of the trim.
- Never plug the connector cable into a 230 V power socket that is damaged or has been pulled out of the trim.

⚠ DANGER

If you reach into the power socket or plug inappropriate devices into the power socket, you could receive an electric shock. There is a risk of fatal injury.

Only attach appropriate objects to the power socket.

! Note that work and repairs on the 230 V power socket should only be carried out by qualified specialist personnel.

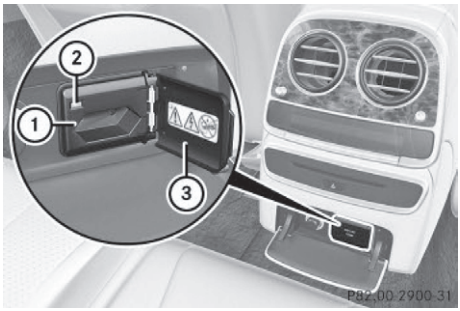
General notes

The 230 V power socket provides an alternating voltage of 230 V so that small electronic devices can be connected. These devices, such as games consoles, chargers and laptops, must not consume more than a maximum of 150 watts altogether.

Requirements for operation of these devices:

- the electronic device that you connect has a suitable connector and conforms to standards specific to the country you are in.
- the plug of the electronic device is plugged into the 230 V power socket.
- the maximum wattage of the device to be connected must not exceed 150 watts.
- the on-board voltage is within a permissible voltage range.
- the 12 V sockets in the centre console in the front compartment (▷ page 379) and in the boot are functional (▷ page 380).

Using the 230 V power socket



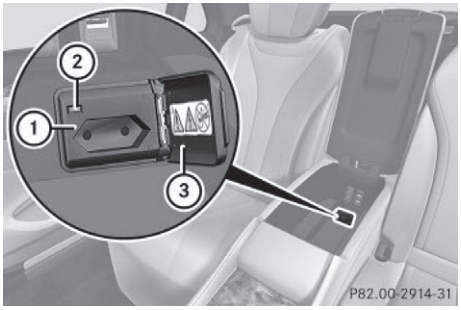
The 230 V socket is in the centre console in the rear compartment on vehicles with a rear bench seat or electrically adjustable rear seats.

▶ **To switch on:** switch the ignition on.

▶ Open flap ③.

▶ Insert the plug of the electronic device into 230 V power socket ①.
Indicator lamp ② lights up.

▶ **To switch off:** remove the connector from 230 V socket ①.
Make sure that you do not pull on the cable.



The 230 V socket is in the armrest on vehicles with individual seats in the rear.

- ▶ Open the armrest (▷ page 368).
- ▶ Lightly press the lid of the socket compartment.
  The socket compartment opens.
- ▶ **To switch on:** switch the ignition on.
- ▶ Open flap ③.
- ▶ Insert the plug of the electronic device into 230 V power socket ①.
  Indicator lamp ② lights up.
- ▶ **To switch off:** remove the connector from 230 V socket ①.
  Make sure that you do not pull on the cable.

Problems with the 230 V power socket

Problem	Possible causes/consequences and ▶ Solutions
The warning lamp on the 230 V power socket is not lit.	The on-board voltage is too low because the battery is too weak. ▶ Start the engine. or ▶ Charge the battery (▷ page 416). If the indicator lamp still does not light up: ▶ Visit a qualified specialist workshop.
	The temperature of the DC/AC converter is temporarily too high. ▶ Remove the electronic device connector from the 230 V socket. ▶ Let the DC/AC converter cool down. If the indicator lamp still does not light up after cooling down the converter: ▶ Visit a qualified specialist workshop.
	You have connected an electronic device that has a constant nominal power of less than 150 watts, but has a very high switch-on current. This device will not work. If you connect such a device, the 230 V power socket will not supply it with power. ▶ Connect a suitable electronic device.

Coolbox in the rear compartment

Important safety notes

⚠ WARNING

If you cover the ventilation grille for the coolbox, it may overheat. There is a risk of fire.

Always make sure that the ventilation grille is not covered.

The ventilation grille for the coolbox is in the boot.

The coolbox can bear a maximum load of 3.5 kg.

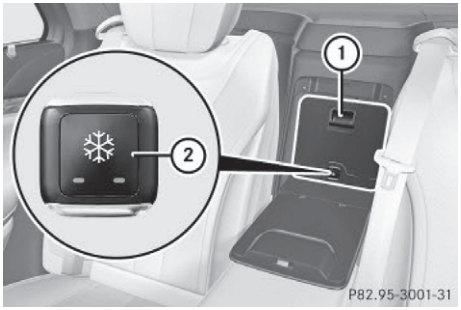
If you want to store a bottle in the upper compartment of the coolbox, the capacity of the bottle must not exceed 0.5 l.

Store only plastic bottles in the upper compartment of the coolbox.

Using the coolbox



- **Vehicles with rear seat armrest:** fold down the rear seat armrest.
- Pull handle ① and fold down cover ②.



- **To open:** pull handle ① on the cover.
- Fold the cover out to the front.
- **To switch cooling level to low:** press button ② once.
  An indicator lamp in the button lights up.
- **To switch cooling level to high:** press button ② twice.
  Both indicator lamps in the button light up.
- **To switch off cooling:** press button ② repeatedly until the indicator lamps go out.

The cooling output of the coolbox depends on the ambient temperature and the selected cooling level.

The coolbox reduces its cooling output or switches off if:

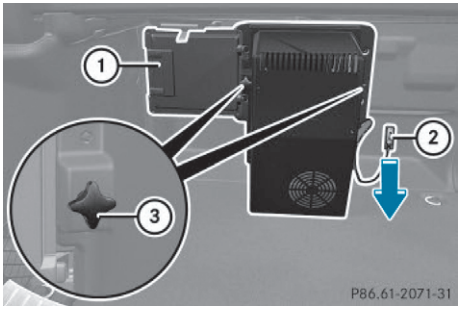
- many electrical consumers are turned on
- the starter battery is not sufficiently charged

This is indicated by the flashing indicator lamps in the button. The cooling function will automatically switch back on as soon as there is sufficient voltage.

Caring for the coolbox

If you do not need to use the coolbox for an extended period you should switch it off, defrost it and clean it. After doing so, leave the lid open for a time.

Removing and fitting the coolbox

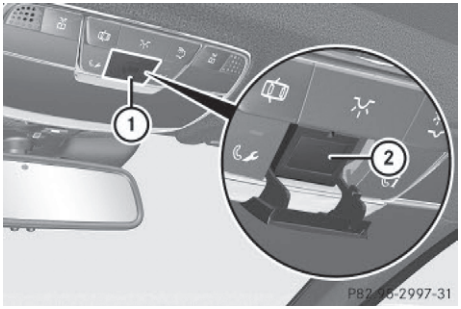


You can remove the coolbox for maintenance purposes or to fit the skibag (▷ page 369).

- **To remove:** switch off the coolbox.
- Pull plug ② down and out.
- Unscrew both screws ③.
- Pull out the coolbox.
- Close flap ①.
- **To install:** swing flap ① to the side until it is locked in place by the magnets.
- Insert the coolbox.
- Tighten both screws ③.
- Connect plug ②.

Mercedes-Benz emergency call system

Information on these requirements can be found in the separate multimedia system operating instructions.



- ▶ **To open:** press cover ① briefly.
- ▶ **To make an emergency call:** press SOS button ② briefly.
  The indicator lamp in SOS button ② flashes until the emergency call is concluded.
- ▶ Wait for a voice connection to the Mercedes-Benz emergency call centre.
- ▶ After the emergency call, close cover ①.
  You will see a message if:
  - a connection to the Mercedes-Benz emergency call centre cannot be made
  - a call has not been automatically forwarded to the public emergency call centre

  In this case, dial the **112** emergency number on your mobile phone.

You can find more information on the Mercedes-Benz emergency call system in the separate multimedia system operating instructions.

Mercedes-Benz Contact

General notes

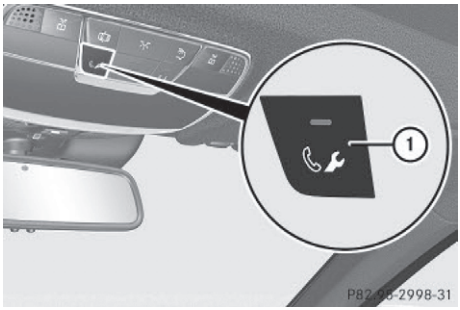
Mercedes-Benz Contact offers fast assistance at the touch of a button – around the clock. For any queries about the vehicle, Mercedes-Benz Contact offers a fast and easy connecting call to the Mercedes-Benz Customer Centre. You can, for example, request an appointment or call for help in the event of a breakdown.

The COMAND display indicates that a call is active. During the call, you can change to the navigation menu by pressing the NAVI button on the multimedia system, for example.

Voice output is not available in this case.

You can find more information on Mercedes-Benz Contact in the separate multimedia system operating instructions.

Breakdown assistance call button



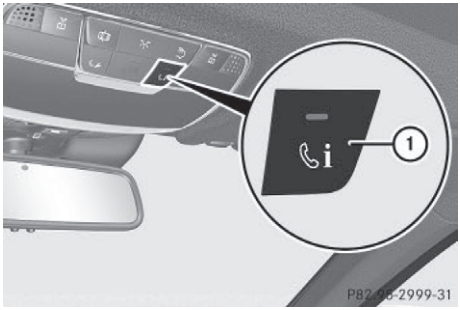
- ▶ **To call breakdown assistance:** press button ① for breakdown assistance.
  The breakdown assistance call is initiated.
  The `Connecting call` message appears in the multifunction display. The audio system is muted.
  Only in certain countries: a voice message prompts you to confirm the data transmission. After confirmation, the required vehicle data is transmitted. During data transmission, you will see a corresponding symbol in the display. This may take a moment. You are then connected to an employee.
- ▶ **To end a call:** press the button on the multifunction steering wheel.

or

- ▶ Press the corresponding multimedia system button for ending a phone call.

Info call button

This function is not available in all countries.



- ▶ **To call:** press info call button ①.
  The breakdown assistance call is initiated.

The Connecting call message appears in the multifunction display. The audio system is muted.

Only in certain countries: a voice message prompts you to confirm the data transmission. After confirmation, the required vehicle data is transmitted. During data transmission, you will see a corresponding symbol in the display. This may take a moment. You are then connected to an employee.

▶ **To end a call:** press the button on the multifunction steering wheel.

or

▶ Press the corresponding multimedia system button for ending a phone call.

Mobile phone

Important safety notes

⚠ WARNING

Operating mobile communications equipment while driving distracts you from paying attention to traffic conditions. This could also cause you to lose control of the vehicle. There is a risk of an accident.

Use this device only when the vehicle is stationary.

You must observe the legal requirements for the country in which you are currently driving when operating mobile communications equipment in the vehicle.

If it is permitted by law to operate communications equipment while the vehicle is in motion, you may only do so if the traffic situation permits. You may otherwise be distracted from the traffic conditions, cause an accident and injure yourself and others.

Excessive levels of electromagnetic radiation may cause damage to your health and to the health of others. The use of an exterior aerial takes into consideration the scientific discussion surrounding the possible health risk posed by electromagnetic fields.

Mercedes-Benz recommends the use of an approved exterior aerial. This ensures:

- optimal mobile phone reception quality in the vehicle
- that mutual interference between the vehicle electronics and mobile phones is minimised

An exterior aerial has the following advantages:

- it conducts the electromagnetic fields generated by a wireless device to the exterior
- the field strength in the vehicle interior is lower than in a vehicle that does not have an exterior aerial

Information on retrofitting two-way radios and mobile phones (RF transmitters) (▷ page 464).

General notes

Depending on the vehicle equipment, there are various mobile phone brackets that may be fitted in your vehicle; in some cases, these are country-specific.

More information on suitable mobile phones, mobile phone brackets and on connecting Bluetooth®-capable mobile phones with COMAND Online can be obtained:

- at your Mercedes-Benz Service Centre
- on the Internet at http://www.mercedes-benz.com/connect

The functions and services available when you use the phone depend on your mobile phone model and service provider.

Using a mobile phone

To connect a mobile phone to the exterior aerial and charge it, insert it into the mobile phone bracket.

▶ Open the telephone compartment (▷ page 367).

▶ Place the mobile phone bracket into the preinstalled fitting; see the separate installation instructions for the mobile phone fitting.

▶ Insert the mobile phone into the mobile phone bracket; see the separate installation instructions for the mobile phone fitting.

ⓘ The mobile phone can also be operated without being in the bracket. However, the charging function and aerial function are not available.

In order to use Bluetooth® (SAP profile) on your telephone module, you must first insert the telephone module into the pre-installed fitting. This connects it to the exterior aerial. If you wish to charge the mobile phone, then you must connect it to a USB port.

Further information on the telephone module with Bluetooth® (SAP profile) can be found in the Digital Owner's Manual.

Operating the mobile phone

You can operate the telephone using the and buttons on the multifunction steering wheel. You can operate other mobile phone functions via the on-board computer (▷ page 302).

If there is no active call and you remove the key from the ignition lock, the mobile phone disconnects from the vehicle. You can then no longer make calls using the hands-free system.

If a call is active and you remove the key from the ignition lock, the mobile phone stays connected to the vehicle. You can then talk for up to 30 minutes using the hands-free system without switching the ignition back on.

If you want to continue an active call using the mobile phone after removing the key, you must switch it to "Private mode". The active call will then be transferred to the mobile phone. The connection between the mobile phone and the hands-free system will be disconnected.

Notes on the necessary steps for setting "Private mode" can be found in the separate operating instructions of the mobile phone. Not all mobile phones support "Private mode".

Business telephony in the rear compartment

You will find information on operating business telephony in the rear compartment in the separate COMAND Online operating instructions.

Garage door opener

General notes

The HomeLink® garage door opener integrated in the rear-view mirror allows you to operate up to three different door and gate systems.

Once programmed, the integrated garage door opener in the rear-view mirror will assume the function of the garage door system's remote control. Please also read the operating instructions for the garage door system.

When programming a garage door opener, park the vehicle outside the garage. Do not run the engine while programming.

The garage door opener is only available for certain countries. Observe the legal requirements for each individual country.

The HomeLink® garage door opener is compatible with most European garage and gate opener drives. More information on HomeLink® and/or compatible products is available:

- at a qualified specialist workshop
- via the HomeLink® Hotline (0) 08000 466 354 65 or alternatively +49 (0) 6838 907-277
- on the Internet at http://www.homelink.com

Important safety notes

⚠ WARNING

When you operate or program the garage door with the integrated garage door opener, persons in the range of movement of the garage door can become trapped or struck by the garage door. There is a risk of injury.

When using the integrated garage door opener, always make sure that nobody is within the range of movement of the garage door.

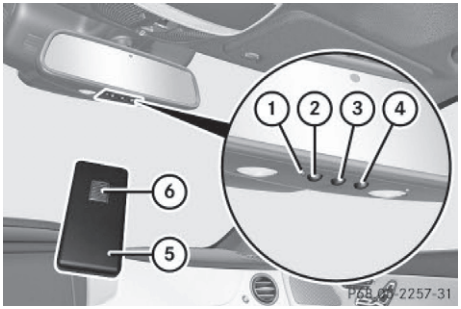
⚠ WARNING

Combustion engines emit poisonous exhaust gases such as carbon monoxide. Inhaling these exhaust gases leads to poisoning. There is a risk of fatal injury. Therefore never leave the engine running in enclosed spaces without sufficient ventilation.

Programming

Programming buttons

Pay attention to the "Important safety notes" (▷ page 385).



Garage door remote control ⑤ is not included with the integrated garage door opener.

- ▶ Turn the key to position **2** in the ignition lock (▷ page 175).
- ▶ Select one of buttons ② to ④ to control the garage door drive.
- ▶ **To start programming mode:** press and hold one of buttons ② to ④ of the integrated garage door opener.
  The garage door opener is now in programming mode. After a short time, indicator lamp ① begins to light up yellow.
  Indicator lamp ① lights up yellow immediately the first time button ②, ③ or ④ is programmed. If the selected button has already been programmed, indicator lamp ① lights up yellow after ten seconds have elapsed.
- ▶ Release button ②, ③ or ④. Indicator lamp ① flashes yellow.
- ▶ **To program the remote control:** point garage door remote control ⑤ towards buttons ② to ④ on the rear-view mirror at a distance of 5 to 20 cm.
- ▶ Press and hold button ⑥ on remote control ⑤ until indicator lamp ① lights up green. When indicator lamp ① lights up green: programming is finished.
  When indicator lamp ① flashes green: programming was successful. The next step is to synchronise the rolling code (▷ page 386).
- ▶ Release button ⑥ of remote control ⑤ of the garage door drive.
  If indicator lamp ① lights up red: repeat the programming process for the corresponding button on the rear-view mirror. When doing so, vary the distance between remote control ⑤ and the rear-view mirror.
  The required distance between remote control ⑤ and the integrated garage door opener depends on the garage door drive system. Several attempts may be required. You should test every position for at least 25 seconds before trying another position.

Synchronising the rolling code

Observe the "Important safety notes" (▷ page 385).

If the garage door system uses a rolling code, you will also have to synchronise the garage door system with the integrated garage door opener in the rear-view mirror. To do this, you will need to use the programming button on the door drive control panel. The programming button may be placed at different locations depending on the manufacturer. It is usually located on the door drive unit on the garage ceiling.

Familiarise yourself with the garage door drive operating instructions, e.g. under "Programming of additional remote controls", before carrying out the following steps.

Your vehicle must be within range of the garage door or gate opener drive. Make sure that neither your vehicle nor any persons/objects are present within the sweep of the door or gate.

- ▶ Turn the key to position **2** in the ignition lock (▷ page 175).
- ▶ Get out of the vehicle.
- ▶ Press the programming button on the door drive unit.
  Usually, you now have 30 seconds to initiate the next step.
- ▶ Get into the vehicle.
- ▶ Press previously programmed button ②, ③ or ④ of the integrated garage door opener until the door closes.
  The rolling code synchronisation is then complete.

Problems when programming

If you have problems when programming the integrated garage door opener, please note the following:

- Check the transmitter frequency used by garage door drive remote control ⑤ and whether it is supported. The transmitter frequency can usually be found on the back of the garage door drive remote control.
- Replace the batteries in garage door remote control ⑤. This increases the likelihood that garage door remote control ⑤ will transmit a strong and precise signal to the integrated garage door opener in the rear-view mirror.

- When programming, hold remote control ⑤ at varying distances and angles from the button which you are programming. Try various angles at a distance between 5and 20 cm or at the same angle but at varying distances.
- If there is another remote control for the same garage door drive, perform the programming steps again using this remote control. Before performing these steps, make sure that new batteries have been fitted in garage door drive remote control ⑤.
- Note that some remote controls transmit only for a limited period (the indicator lamp on the remote control goes out). Press button ⑥ on remote control ⑤ again before transmission ends.
- Align the aerial cable of the garage door opener unit. This can improve signal reception/transmission.

Opening or closing the garage door

Once programmed, the integrated garage door opener will assume the function of the garage door system's remote control. Please also read the operating instructions for the garage door system.

▶ Turn the key to position **2** in the ignition lock (▷ page 175).

▶ Press button ②, ③ or ④ which you have programmed to operate the garage door.
Garage door system with a fixed code: indicator lamp ① lights up green.

Garage door system with a rolling code: indicator lamp ① flashes green.

The transmitter will transmit a signal for as long as the button is pressed. The transmission is halted after a maximum of ten seconds and indicator lamp ① lights up yellow.

▶ Press button ②, ③ or ④ again if necessary.

Clearing the memory

Make sure that you clear the memory of the integrated garage door opener before selling the vehicle.

▶ Turn the key to position **2** in the ignition lock (▷ page 175).

▶ Press and hold buttons ② and ④.
The indicator lamp initially lights up yellow and then green.

▶ Release buttons ② and ④.
The memory of the integrated garage door opener in the rear-view mirror is cleared.

Frequencies

Europe

Country	Radio type approval number Frequency range (MHz)
AD (Andorra)	20 July 2005 MHz: 27, 30, 40, 433, 868
AT (Austria)	Article 6 of Directive 1999/5/EC R&TTE 18 May 05 MHz: 27, 40, 433, 868
BE (Belgium)	Article 6 of Directive 1999/5/EC R&TTE 18 May 05 MHz: 27, 40, 433, 868
BG (Bulgaria)	Article 6 of Directive 1999/5/EC R&TTE 12 April 07 MHz: 27, 40, 433, 868
CH (Switzerland)	Article 6 of Directive 1999/5/EC R&TTE 14357 27 May 05 MHz: 27, 40, 433, 868
CY (Cyprus)	Article 6 of Directive 1999/5/EC R&TTE 5 May 05 MHz: 27, 40, 433, 868
CZ (Czech Republic)	General Licence GL-30/R/2000 Reg No. 844 13 May 05 MHz: 27, 40, 433
DK (Denmark)	Article 6 of Directive 1999/5/EC R&TTE 20 April 05 MHz: 27, 40, 433, 868

Country	Radio type approval number Frequency range (MHz)
DE (Germany)	Article 6 of Directive 1999/5/EC R&TTE 7519301 29 April 05 MHz: 27, 40, 433, 868
EE (Estonia)	Article 6 of Directive 1999/5/EC R&TTE 11 May 05 MHz: 27, 40, 433, 868
ES (Spain)	000438/2005, 000439/2005, 000440/2005 000441/2005, 000445/2005, 000446/2005 000447/2005 MHz: 27, 40, 433, 868
FI (Finland)	Article 6 of Directive 1999/5/EC R&TTE 10668 13 May 05 MHz: 27, 40, 433, 868
FR (France)	Article 6 of Directive 1999/5/EC R&TTE 10668 13 May 05 MHz: 27, 30, 40, 433, 868
GI (Gibraltar)	Article 6 of Directive 1999/5/EC R&TTE 10668 13 May 05 (UK) MHz: 27, 40, 418, 433, 868
GR (Greece)	Article 6 of Directive 1999/5/EC R&TTE 11409/18/4/2005 18 May 05 MHz: 27, 40, 433, 868
HR (Croatia)	SDR 224/06 MHz: 27, 40, 433, 868
HU (Hungary)	Article 6 of Directive 1999/5/EC R&TTE 18 May 05 MHz: 27, 40, 433, 868

Country	Radio type approval number Frequency range (MHz)
IC (Canary Islands)	000438/2005, 000439/2005 000440/2005, 000441/2005 000445/2005, 000446/2005 000447/2005, 3 June 2005 MHz: 27, 40, 433, 868
IE (Ireland)	Article 6 of Directive 1999/5/EC R&TTE 18 May 05 MHz: 27, 40, 433, 868
IS (Iceland)	Article 6 of Directive 1999/5/EC R&TTE 18 May 05 MHz: 27, 40, 433, 868
IT (Italy)	DGPGSR/II/347487/FOR/15347 DGPGSR/II/347487/FOR/15348 DGPGSR/II/347487/FOR/15350 DGPGSR/II/347487/FOR/15357 DGPGSR/II/347487/FOR/15358 DGPGSR/II/347487/FOR/15359 MHz: 27, 40, 433, 868
LI (Liechtenstein)	Article 6 of Directive 1999/5/EC R&TTE 14357 27 May 05 MHz: 27, 40, 433, 868
LT (Lithuania)	Article 6 of Directive 1999/5/EC R&TTE 27.4-1B-1609 6 May 05 MHz: 27, 40, 433, 868
LU (Luxembourg)	Article 6 of Directive 1999/5/EC R&TTE 150405/9538 24 May 05 MHz: 27, 40, 433, 868

Country	Radio type approval number Frequency range (MHz)
LV (Latvia)	Article 6 of Directive 1999/5/EC R&TTE 27.4-1B-1609 26 April 06 MHz: 27, 40, 433, 868
MC (Monaco)	Article 6 of Directive 1999/5/EC R&TTE 10668 13 May 05 MHz: 27, 40, 433, 868
MT (Malta)	Article 6 of Directive 1999/5/EC R&TTE 18 May 05 MHz: 27, 40, 433, 868
NL (Netherlands)	Article 6 of Directive 1999/5/EC R&TTE 18 May 05 MHz: 27, 40, 433, 868
NO (Norway)	Article 6 of Directive 1999/5/EC R&TTE 05/02424-SA644 18 May 05 MHz: 27, 40, 433, 868
PL (Poland)	Article 6 of Directive 1999/5/EC R&TTE 21 April 05 MHz: 27, 40, 433, 868
PT (Portugal)	ANCOM-S08399/05 MHz: 27, 40, 433, 868
RO (Romania)	Article 6.4 of Directive 1999/5/EC R&TTE MHz: 27, 30, 40, 433, 868
RU (Russian Federation)	POCC DE.MJ05.H00015 13 May 05 MHz: 433
SE (Sweden)	Article 6 of Directive 1999/5/EC R&TTE 18 May 05 MHz: 27, 40, 433, 868
SI (Slovenia)	Article 6 of Directive 1999/5/EC R&TTE 500-1/2005-437 9 May 05 MHz: 27, 40, 433, 868
SK (Slovakia)	Article 6 of Directive 1999/5/EC R&TTE Slovak 206/11/2005 4 May 05 MHz: 27, 40, 433, 868
UK (United Kingdom)	Article 6 of Directive 1999/5/EC R&TTE 18 May 05 MHz: 27, 40, 418, 433, 868

Africa

Country	Radio type approval number Frequency range (MHz)
EG (Egypt)	W-KLE-17/08 Mar. 06 MHz: 27, 30, 40, 418, 433, 868
RE (Réunion)	Article 6 of Directive 1999/5/EC R&TTE 11 July 05 MHz: 27, 40, 433, 868
ZA (South Africa)	11 October 2005 MHz: 27, 40, 433

America

Country	Radio type approval number Frequency range (MHz)
BB (Barbados)	Registration not required MHz: 27, 40, 433, 868
CL (Chile)	38447/F-23 No.3.3634 MHz: 40, 433 3943/DFRS05165/F-50 MHz: 280 to 433
GF (French Guyana)	Article 6 of Directive 1999/5/EC R&TTE 10668 13 May 05 MHz: 27, 30, 40, 433, 868
GP (Guadeloupe)	Article 6 of Directive 1999/5/EC R&TTE 10668 13 May 05 MHz: 27, 30, 40, 433, 868

Country	Radio type approval number Frequency range (MHz)
MQ (Martinique)	Article 6 of Directive 1999/5/EC R&TTE 11 July 05 MHz: 27, 30, 40, 433, 868
MX (Mexico)	MHz: 280 to 390

Asia

Country	Radio type approval number Frequency range (MHz)
AE (United Arab Emirates)	1623/5/10-2/26/76 MHz: 433
JO (Jordan)	TRC/LPD/2005/23 MHz: 27, 30, 40, 433, 868
KW (Kuwait)	5 October 2005 MHz: 27, 30, 40, 418, 433, 868
SA (Saudi Arabia)	11_02_05/5024-5-6 MHz: 418, 433
SY (Syria)	279/4/14 / 05 March 06
TR (Turkey)	National Certification 23 July 07 MHz: 433

Australia

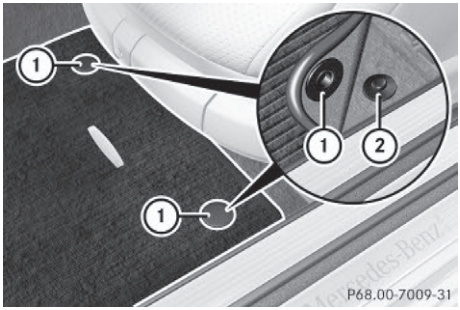
Country	Radio type approval number Frequency range (MHz)
AU (Australia)	28 June 2005 MHz: 27, 30, 40, 433, 868
NZ (New Zealand)	20 March 06 MHz: 27, 30, 40, 433

Floormats

⚠ **WARNING**

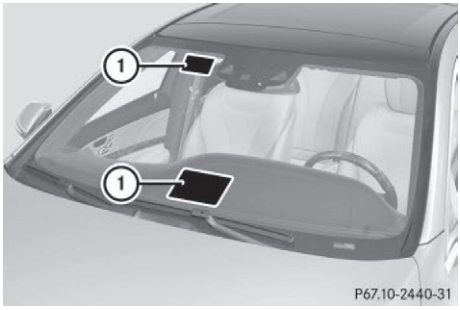
Objects in the driver's footwell may restrict the clearance around the pedals or block a depressed pedal. This jeopardises the operating and road safety of the vehicle. There is a risk of an accident.

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



- ▶ **Driver's and front-passenger seat:** slide the corresponding seat backwards.
- ▶ **Rear seats:** slide the corresponding front seat forwards.
- ▶ **To fit:** lay the floormat in the footwell.
- ▶ Press studs ① onto retainers ② until you hear them engage.
- ▶ **To remove:** pull the floormat from retainers ②.
- ▶ Remove the floormat.

Infrared reflective windscreen



The infrared reflecting glass prevents the vehicle interior from becoming too hot. It also blocks radio waves up into the gigahertz range.

In order to operate radio-controlled equipment, e.g. toll systems, areas ① on the windscreen are permeable to radio waves. You can install radio-controlled devices in these areas.

These areas can best be seen from outside the vehicle by observing the light reflected off the windscreen.

Retrofitted anti-glare film

Retrofitted anti-glare film on the inside of the windows can interfere with radio/mobile telephone reception. This is particularly the case for conductive or metallic-coated films. You can obtain information about anti-glare film from a qualified specialist workshop.

Useful information

ⓘ This Owner's Manual describes all models, series and optional equipment for your vehicle that were available at the time of going to press. National variations are possible. Note that your vehicle may not be equipped with all of the functions described. This is also the case for systems and functions relevant to safety.

ⓘ Read the information on qualified specialist workshops: (▷ page 30).

Engine compartment

Bonnet

Important safety notes

⚠ **WARNING**

An unlocked bonnet may open up when the vehicle is in motion and block your view. There is a risk of an accident.

Never unlock the bonnet when driving. Before every trip, ensure that the bonnet is locked.

⚠ **WARNING**

When being opened and closed, the bonnet may suddenly fall into the closed position. There is a risk of injury to persons in the range of movement of the bonnet.

Open and close the bonnet only when nobody is in the range of movement.

⚠ **WARNING**

If you open the bonnet while the engine is overheating or while there is a fire in the engine compartment, you could come into contact with hot gases or other leaking service products. There is a danger of injury.

Allow an overheating engine to cool down before opening the bonnet. If there is a fire in the engine compartment, leave the bonnet closed and notify the fire brigade.

⚠ **WARNING**

There are moving components in the engine compartment. Certain components may continue to move or suddenly move again even after the ignition has been switched off, e.g. the radiator fan. There is a risk of injury.

If you have to carry out work in the engine compartment:

- switch off the ignition
- never touch the dangerous areas surrounding moving components, e.g. the rotation area of the fan
- remove jewellery and watches
- keep items of clothing and hair, for example, away from moving parts.

⚠ **WARNING**

The ignition system and the fuel injection system operate with a high voltage. If you touch the live components, you could receive an electric shock. There is a danger of injury.

Never touch components of the ignition system or the fuel injection system when the ignition is switched on.

Active bonnet (pedestrian protection)

Operating principle

❗ A triggered active bonnet must be repaired at a qualified specialist workshop after it has been reset. The active bonnet function will then be available again. The additional pedestrian protection provided by the active bonnet will then be restored.

The active bonnet is only available in certain countries.

The active bonnet can reduce the risk of injury to pedestrians in certain accident situations. Raising the active bonnet increases the clearance to hard components, such as the engine.

If the active bonnet has been triggered, it is raised at the rear in the area around the hinge by approximately 85 mm.

For the drive to the workshop, reset the triggered active bonnet yourself. If the active bonnet has been triggered, pedestrian protection may be limited.

Resetting

⚠ WARNING

Certain components in the engine compartment could be very hot, e.g. the engine, the radiator and parts of the exhaust system. There is a risk of injury when accessing the engine compartment.

As far as possible, allow the engine to cool down and only touch the components described in the following.



- ▶ Open bonnet ① (▷ page 393).
- ▶ Lift up bonnet ① carefully (approx. 45° position) until the hinges engage audibly.
- ▶ Close bonnet ① (▷ page 393).

Opening the bonnet

⚠ WARNING

Certain components in the engine compartment could be very hot, e.g. the engine, the radiator and parts of the exhaust system. There is a risk of injury when accessing the engine compartment.

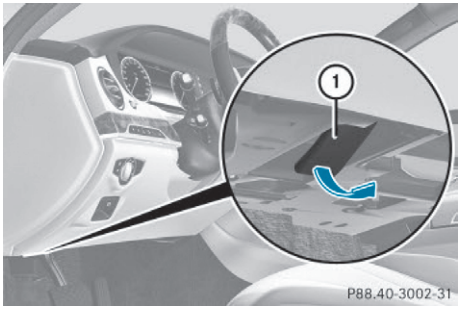
As far as possible, allow the engine to cool down and only touch the components described in the following.

⚠ WARNING

When the bonnet is open, and the windscreen wipers are set in motion, you can be injured by the wiper linkage. There is a risk of injury.

Always switch off the windscreen wipers and the ignition before opening the bonnet.

! Make sure that the windscreen wipers are not folded away from the windscreen. Otherwise, you could damage the windscreen wipers or the bonnet.



- ▶ Make sure that the windscreen wipers are switched off.
- ▶ Pull release lever ① on the bonnet. The bonnet is released.



- ▶ Reach into the gap, pull bonnet catch handle ② up and lift the bonnet.

  If you lift the bonnet approximately 40 cm, the bonnet is opened and held open automatically by the gas-filled struts.

Closing the bonnet

- ▶ Lower the bonnet and let it fall from a height of approximately 20 cm.
- ▶ Check that the bonnet has engaged properly. If the bonnet can be raised slightly, it is not properly engaged. Open it again and close it with a little more force.

Radiator

Do not cover up the radiator. Do not use thermal mats, insect protection covers or anything sim-

ilar. Doing so can cause the Onboard Diagnostics System to display inaccurate values. Some of these values are legally required and must always be correct.

Engine oil

General notes

Depending on your driving style, the vehicle consumes up to 0.8 litres 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.

Depending on the engine, the oil dipstick may be installed at a different location.

When checking the oil level:

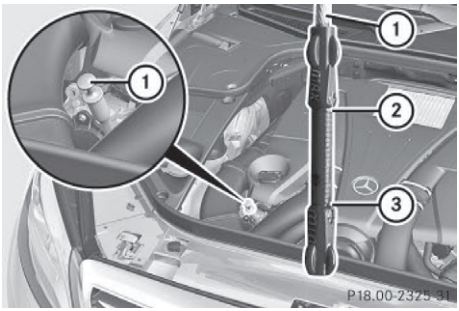
- park the vehicle on a level surface
- the engine should be switched off for approximately five minutes if the engine is at normal operating temperature
- if the engine is not at normal operating temperature, e.g. if the engine was only started briefly, wait approximately 30 minutes before carrying out the measurement

Checking the oil level using the oil dipstick (except S 600 and Mercedes-AMG S 65 models)

⚠ WARNING

Certain components in the engine compartment could be very hot, e.g. the engine, the radiator and parts of the exhaust system. There is a risk of injury when accessing the engine compartment.

As far as possible, allow the engine to cool down and only touch the components described in the following.



Example

- ▶ Pull oil dipstick ① out of the oil dipstick tube.
- ▶ Wipe off oil dipstick ①.
- ▶ Slowly slide oil dipstick ① into the guide tube to the stop, and take it out again.
  If the level is between MIN mark ③ and MAX mark ②, the oil level is correct.
- ▶ If the oil level has dropped to MIN mark ③ or below, top up with 1.0 l of engine oil.

Checking the oil level using the on-board computer (S 600 and Mercedes-AMG S 65 models)

- ▶ Make sure that the key is in position **2** in the ignition lock.
- ▶ Use ⌂ on the steering wheel to call up the list of menus.
- ▶ Press the ▼ or ▲ button on the steering wheel to select the Service menu.
- ▶ Confirm by pressing OK on the steering wheel.
- ▶ Use ▼ or ▲ to select the Engine oil level: submenu.
- ▶ Press OK to confirm the selection.
  The Engine oil level Measuring now Measurement accurate only if vehicle is level message appears in the multifunction display.

The measurement takes a few seconds. You will see one of the following messages in the multifunction display:

Display messages	Possible causes/consequences and ▶ Solutions
Engine oil level OK	The oil level is correct.
Add 1 litre engine oil when next refuelling	The oil level is too low. ▶ Top up 1.0 litre of engine oil.
Engine oil level Reduce oil level	The engine oil level is too high. ▶ Have excess engine oil siphoned off.
For engine oil level turn on ignition	The ignition is switched off. ▶ Turn the key to position **2** in the ignition lock.
Waiting period for engine oil level not observed	The required waiting period was not observed. ▶ If the engine is at normal operating temperature: repeat the measurement after about five minutes. If the engine is not at normal operating temperature, e.g. if the engine was only started briefly: repeat the measurement after approximately 30 minutes.
Engine oil level Not with the engine running	The engine is running; oil level measurement is not possible. ▶ Switch off the engine. ▶ If the engine is at normal operating temperature: wait about five minutes before carrying out the measurement. If the engine is not at normal operating temperature, e.g. if the engine was only started briefly: wait approximately 30 minutes before carrying out the measurement.

Topping up engine oil

⚠ WARNING

Certain components in the engine compartment could be very hot, e.g. the engine, the radiator and parts of the exhaust system. There is a risk of injury when accessing the engine compartment.

As far as possible, allow the engine to cool down and only touch the components described in the following.

⚠ WARNING

If engine oil comes into contact with hot components in the engine compartment, it may ignite. There is a risk of fire and injury.

Make sure that engine oil does not spill out over the filler neck. Allow the engine to cool down and thoroughly clean the components that have come into contact with engine oil before you start the engine.

Environmental note

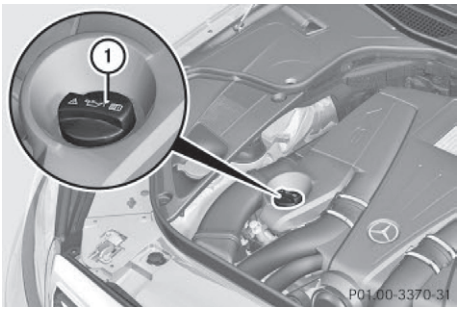
When topping up the oil, take care not to spill any. If oil enters the soil or waterways, it is harmful to the environment.

! Only use engine oils and oil filters that have been approved for vehicles with a service system. You can obtain a list of the engine oils and oil filters tested and approved in accordance with the Mercedes-Benz Specifications for Service Products at any Mercedes-Benz Service Centre.

Damage to the engine or exhaust system is caused by the following:

- using engine oils and oil filters that have not been specifically approved for the service system
- changing the engine oil and oil filter after missing the change interval required by the service system
- using engine oil additives

! Do not add too much oil. Topping up with too much engine oil can result in damage to the engine or to the catalytic converter. Have excess engine oil siphoned off.



Example

▶ Turn cap ① anti-clockwise and remove it.

▶ Top up the engine oil.
If the oil level is at or below the MIN mark on the oil dipstick, top up with 1.0 litre of engine oil.

▶ Replace cap ① on the filler neck and tighten clockwise.
Make sure that the cap locks securely into place.

▶ Check the oil level again with the oil dipstick (▷ page 394).

For further information on engine oil, see (▷ page 471).

Other service products

Checking the coolant level

⚠ WARNING

Certain components in the engine compartment could be very hot, e.g. the engine, the radiator and parts of the exhaust system.

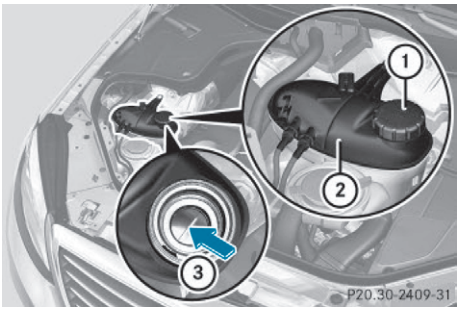
There is a risk of injury when accessing the engine compartment.

As far as possible, allow the engine to cool down and only touch the components described in the following.

⚠ WARNING

The cooling system is pressurised, particularly when the engine is warm. If you open the cap, you could be scalded if hot coolant sprays out. There is a risk of injury.

Let the engine cool down before you open the cap. Wear gloves and eye protection. Open the cap slowly to release the pressure.



▶ Park the vehicle on a level surface.
Only check the coolant level if the vehicle is on a level surface and the engine has cooled down.

▶ Turn the key to position **2** in the ignition lock (▷ page 175).

or

▶ Press the Start/Stop button twice (▷ page 175).

▶ Check the coolant temperature display in the instrument cluster.
The coolant temperature must be below 70 °C.

▶ Turn the key to position **0** in the ignition lock (▷ page 175).

or

▶ Remove the Start/Stop button from the ignition lock (▷ page 175).

▶ Slowly turn cap ① anti-clockwise and to relieve excess pressure.

- ▶ Turn cap ① further anti-clockwise and remove it.
  If the coolant is at the level of marker bar ③ in the filler neck when cold, there is enough coolant in coolant expansion tank ②.
  If the coolant level is approximately 1.5 cm above marker bar ③ in the filler neck when warm, there is enough coolant in coolant expansion tank ②.
- ▶ If necessary, top up with coolant that has been tested and approved by Mercedes-Benz.
- ▶ Replace cap ① and turn it clockwise as far as it will go.

Vehicles with PLUG-IN HYBRID operation: the second coolant expansion tank must not be filled.

Further information on coolant (▷ page 472).

Topping up the windscreen washer system

⚠ WARNING

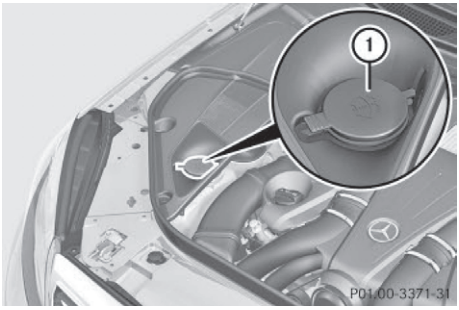
Certain components in the engine compartment could be very hot, e.g. the engine, the radiator and parts of the exhaust system. There is a risk of injury when accessing the engine compartment.

As far as possible, allow the engine to cool down and only touch the components described in the following.

⚠ WARNING

If windscreen washer concentrate comes into contact with hot components of the engine or the exhaust system, it can ignite. There is a risk of fire and injury.

Make sure the windscreen washer concentrate does not come into contact with the filler neck.



- ▶ **To open:** pull cap ① upwards by the tab.
- ▶ Place cap ① on the edge of the filler neck and engage in place.
- ▶ Top up with the premixed washer fluid.
- ▶ **To close:** press cap ① onto the filler neck until it engages.

If the washer fluid level drops below the recommended minimum of 1 litre, a message appears in the multifunction display prompting you to top up the washer fluid (▷ page 350).

Further information on windscreen washer fluid/antifreeze (▷ page 473).

ASSYST PLUS

Service message

The ASSYST PLUS service interval display informs you of the next service due date.

Information on the type of service and service intervals (see the separate Service Booklet).

You can obtain further information from a Mercedes-Benz Service Centre.

ⓘ The ASSYST PLUS service interval display does not show any information on the engine oil level. Observe the notes on the engine oil level (▷ page 394).

The multifunction display shows a service message for a few seconds, e.g.:

- Service A in XX days
- Service A due
- Service A overdue by XX days

Depending on the operating conditions of the vehicle, the remaining time or distance until the next service due date is displayed.

The letter indicates which service is due. A stands for a minor service and B for a major ser-

vice. A number or another letter may be displayed after the letter.

Only for certain countries: the position after the letter A or B indicates any necessary additional maintenance work. If you notify a qualified specialist workshop of this display, you will receive a statement on the associated costs.

The ASSYST PLUS service interval display does not take into account any periods of time during which the battery is disconnected.

Maintaining the time-dependent service schedule:

- ▶ Note down the service due date displayed in the multifunction display before disconnecting the battery.

or

- ▶ After reconnecting the battery, subtract the battery disconnection periods from the service date shown on the display.

Hiding service messages

- ▶ Press the OK or ⮌ button on the steering wheel.

Displaying service messages

- ▶ Switch the ignition on.
- ▶ Use ⌂ on the steering wheel to call up the list of menus.
- ▶ Press ▲ or ▼ on the steering wheel to select the Service menu and confirm with OK.
- ▶ Press ▲ or ▼ on the steering wheel to select the ASSYST PLUS submenu and confirm with OK.
  The service due date appears in the multifunction display.

Information about service

Resetting the ASSYST PLUS service interval display

! If the ASSYST PLUS service interval display has been inadvertently reset, this setting can be corrected at a qualified specialist workshop.

Have service work carried out as described in the Service Booklet. This may otherwise lead to increased wear and damage to the major assemblies or the vehicle.

A qualified specialist workshop, e.g. a Mercedes-Benz Service Centre, will reset the ASSYST PLUS service interval display after the service work has been carried out. You can also obtain further information on maintenance work, for example.

Special service requirements

The prescribed service interval is based on normal operation of the vehicle. Service work will need to be performed more often if the vehicle is operated under arduous conditions or increased loads, for example:

- regular city driving with frequent intermediate stops
- if the vehicle is primarily used to travel short distances
- for frequent operation in mountainous terrain or on poor road surfaces
- if the engine is often left idling for long periods

In these or similar operating conditions, have, for example, the air filter, engine oil and oil filter 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, e.g. a Mercedes-Benz Service Centre.

Driving abroad

An extensive Mercedes-Benz Service network is also available in other countries. You can obtain further information from any Mercedes-Benz Service Centre.

Care

General notes

Environmental note

Dispose of empty packaging and cleaning cloths in an environmentally responsible manner.

! For cleaning your vehicle, do not use any of the following:

- dry, rough or hard cloths
- abrasive cleaning agents
- solvents
- cleaning agents containing solvents

Do not scrub.

Do not touch the surfaces or protective films with hard objects, e.g. a ring or ice scraper. You could otherwise scratch or damage the surfaces and protective film.

! Do not park up the vehicle for an extended period straight after cleaning it, particularly after having cleaned the wheels with wheel cleaner. Wheel cleaners could cause increased corrosion of the brake discs and brake pads/linings. For this reason, you should drive for a few minutes after cleaning. Braking heats the brake discs and the brake pads/linings, thus drying them. The vehicle can then be parked up.

Regular care of your vehicle is a condition for retaining the quality in the long term.

Use care products and cleaning agents recommended and approved by Mercedes-Benz.

Washing the vehicle and cleaning the paintwork

Automatic car wash

⚠ **WARNING**

Braking efficiency is reduced after the vehicle has been washed. There is a risk of an accident.

After washing the vehicle, brake carefully while paying attention to the traffic conditions in order to restore full braking efficiency.

! When DISTRONIC PLUS or the HOLD function is activated, the vehicle brakes automatically in certain situations.

To avoid damage to the vehicle, deactivate DISTRONIC PLUS and the HOLD function in the following or similar situations:

- when towing away
- in a car wash

! Make sure:

- the side windows and sliding sunroof are closed completely.
- the blower for the ventilation/heating is switched off (OFF button is depressed).
- the windscreen wiper switch is at position **0**
- the 360° camera or reversing camera is switched off.

The vehicle could otherwise be damaged.

! If the key is within the rear detection range of KEYLESS-GO, the following situations, for example, could lead to the boot lid opening unintentionally:

- using a car wash
- using a high-pressure cleaner

Make sure that the key is at least 3 m away from the vehicle.

! Make sure that the automatic transmission is in neutral position **N** when washing your vehicle in a tow-through car wash. The vehicle may otherwise be damaged.

- Operating with the key:

  Do not remove the key from the ignition lock. Do not open the driver's door when the engine is switched off or at very low speeds. Otherwise, when in transmission position **D** or **R** the automatic transmission will automatically switch to park position **P** and block the wheels.
- Operating with the Start/Stop button:

  Do not open the driver's door when the engine is switched off or at very low speeds. Otherwise, when in transmission position **D** or **R** the automatic transmission will automatically switch to park position **P** and block the wheels.

Observe the following to make sure that the automatic transmission stays in neutral position **N**:

Operating with the key:

▶ Make sure the ignition is switched on.
▶ Make sure that the vehicle is stationary.
▶ Depress the brake pedal and keep it depressed.
▶ Select neutral **N**.
▶ Release the brake pedal.

- ▶ Release the electric parking brake, if necessary.
- ▶ Switch off the ignition and leave the key in the ignition lock.

Operating with the Start/Stop button:

- ▶ Make sure the ignition is switched on.
- ▶ Make sure that the vehicle is stationary.
- ▶ Depress the brake pedal and keep it depressed.
- ▶ Engage park position **P**.
- ▶ Release the brake pedal.
- ▶ Remove the Start/Stop button from the ignition lock (▷ page 175).
- ▶ Insert the key into the ignition lock.
- ▶ Switch on the ignition.
- ▶ Depress the brake pedal and keep it depressed.
- ▶ Select neutral **N**.
- ▶ Release the brake pedal.
- ▶ Release the electric parking brake, if necessary.
- ▶ Switch off the ignition and leave the key in the ignition lock.

You can wash the vehicle in an automatic car wash from the very start.

Wash off excess dirt before cleaning the vehicle in an automatic car wash.

After using an automatic car wash, wipe off wax from the windscreen and the wiper blades. This will prevent smears and reduce wiping noises caused by residue on the windscreen.

Washing by hand

In some countries, washing by hand is only allowed at specially equipped washing bays. Observe the legal requirements for each individual country.

- ▶ Do not use hot water and do not wash the vehicle in direct sunlight.
- ▶ Use a soft sponge to clean.
- ▶ Use a mild cleaning agent, such as a car shampoo approved by Mercedes-Benz.
- ▶ Thoroughly hose down the vehicle with a gentle jet of water.
- ▶ Do not point the water jet directly towards the air inlet.
- ▶ Use plenty of water and rinse out the sponge frequently.
- ▶ Rinse the vehicle with clean water and dry thoroughly with a chamois.
- ▶ Do not let the cleaning agent dry on the paintwork.

When using the vehicle in winter, remove all traces of road salt deposits carefully and as soon as possible.

High-pressure cleaning equipment

⚠ WARNING

The water jet of circular-jet nozzles (dirt grinders) can cause damage not visible from the outside to tyres or chassis components. Components damaged in this way can unexpectedly fail. There is a risk of an accident.

Do not use high-pressure cleaners with circular-jet nozzles to clean the vehicle. Have damaged tyres or chassis components replaced immediately.

! Always maintain a distance of at least 30 cm between the vehicle and the high-pressure cleaner nozzle. Information about the correct distance is available from the equipment manufacturer.

Move the high-pressure cleaner nozzle around when cleaning your vehicle.

Do not aim directly at any of the following:

- tyres
- door gaps, roof gaps, joints etc.
- electrical components
- battery
- connectors
- lights
- seals
- trim elements
- ventilation slots

Damaged seals or electrical components can lead to leaks or failures.

! If the key is within the rear detection range of KEYLESS-GO, the following situations, for example, could lead to the boot lid opening unintentionally:

- using a car wash
- using a high-pressure cleaner

Make sure that the key is at least 3 m away from the vehicle.

Cleaning the paintwork

! Do not affix:

- stickers
- films
- magnetic plates or similar items

to painted surfaces. You could otherwise damage the paintwork.

Scratches, corrosive deposits, areas affected by corrosion and damage caused by inadequate care cannot always be completely repaired. In such cases, visit a qualified specialist workshop.

- ▶ Remove impurities immediately, where possible, whilst avoiding rubbing too hard.
- ▶ Soak insect remains with insect remover and rinse off the treated areas afterwards.
- ▶ Soak bird droppings with water and rinse off the treated areas afterwards.
- ▶ Remove coolant, brake fluid, tree resin, oils, fuels and greases by rubbing gently with a cloth soaked in petroleum ether or lighter fluid.
- ▶ Use tar remover to remove tar stains.
- ▶ Use silicone remover to remove wax.

Care and treatment of matt paintwork

! Never polish the vehicle or the light alloy wheels. Polishing makes the paintwork shiny.

! The following may cause the paint to become shiny and thus reduce the matt effect:

- vigorous rubbing with unsuitable materials
- frequent use of car washes
- washing the vehicle in direct sunlight

! Never use paint cleaner, buffing or polishing products, or gloss preserver, e.g. wax. These products are only suitable for high-gloss surfaces. Their use on vehicles with matt paintwork leads to considerable surface damage (shiny, spotted areas).

Always have paintwork repairs carried out at a qualified specialist workshop.

! Do not use wash programs with a hot wax treatment under any circumstances.

Observe these notes if your vehicle has a clear matt finish. This will help you to avoid damage to the paintwork due to incorrect treatment.

These notes also apply to light-alloy wheels with a clear matt finish.

The vehicle should preferably be washed by hand using a soft sponge, car shampoo and plenty of water.

Use only insect remover and car shampoo from the range of approved Mercedes-Benz care products.

Cleaning vehicle parts

Cleaning the wheels

⚠ WARNING

The water jet of circular-jet nozzles (dirt grinders) can cause damage not visible from the outside to tyres or chassis components. Components damaged in this way can unexpectedly fail. There is a risk of an accident.

Do not use high-pressure cleaners with circular-jet nozzles to clean the vehicle. Have damaged tyres or chassis components replaced immediately.

! Do not use acidic wheel cleaning products to remove brake dust. This could damage wheel bolts and brake components.

! Do not park up the vehicle for an extended period straight after cleaning it, particularly after having cleaned the wheels with wheel cleaner. Wheel cleaners could cause increased corrosion of the brake discs and brake pads/linings. For this reason, you should drive for a few minutes after cleaning. Braking heats the brake discs and the brake pads/linings, thus drying them. The vehicle can then be parked up.

Cleaning the windows

⚠ WARNING

If the windscreen wipers are set in motion when cleaning the windscreen or wiper blades, you could become trapped. There is a danger of injury.

Always switch off the windscreen wipers and the ignition before cleaning the windscreen or wiper blades.

! Do not use dry cloths, abrasive products, solvents or cleaning agents containing solvents to clean the inside of the windows. Do not touch the insides of the windows with hard objects, e.g. an ice scraper or ring. There is otherwise a risk of damaging the windows.

! Clean the water drainage channels of the windscreen and the rear window at regular intervals. Deposits such as leaves, petals and pollen may under certain circumstances prevent water from draining away. This can lead to corrosion damage and damage to electronic components.

▶ Clean the inside and outside of the windows with a damp cloth and a cleaning agent that is recommended and approved by Mercedes-Benz.

Cleaning the wiper blades

⚠ WARNING

If the windscreen wipers are set in motion when cleaning the windscreen or wiper blades, you could become trapped. There is a danger of injury.

Always switch off the windscreen wipers and the ignition before cleaning the windscreen or wiper blades.

! Do not pull on the wiper blade. Otherwise, the wiper blade could be damaged.

! Do not clean wiper blades too often and do not rub them too hard. Otherwise, the graphite coating could be damaged. This could cause wiper noise.

! Hold the wiper arm securely when folding back. The windscreen could be damaged if the wiper arm hits against it suddenly.

▶ Fold the wiper arms away from the windscreen (▷ page 146).

▶ Clean the wiper blades carefully using a damp cloth.

▶ Fold the windscreen wipers back again before switching on the ignition.

Cleaning the exterior lighting

! Only use cleaning agents or cleaning cloths that are suitable for plastic lenses. Unsuitable cleaning agents or cleaning cloths could scratch or damage the plastic lenses of the exterior lighting.

▶ Clean the plastic lenses of the exterior lighting using a wet sponge and a mild cleaning agent, e.g. Mercedes-Benz car shampoo or cleaning cloths.

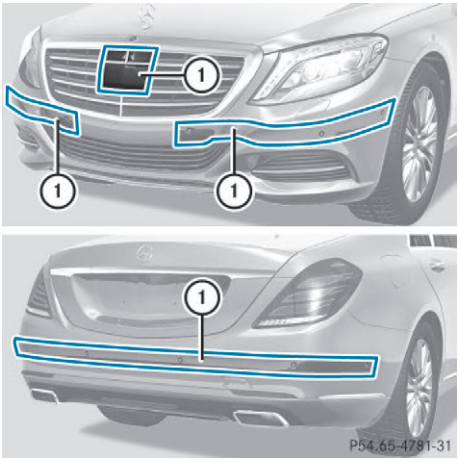
Mirror turn signals

! Only use cleaning agents or cleaning cloths that are suitable for plastic lenses. Unsuitable cleaning agents or cleaning cloths could scratch or damage the plastic lenses of the mirror turn signals.

▶ Clean the plastic lenses of the mirror turn signals in the exterior mirror housing using a wet sponge and mild cleaning agent, e.g. Mercedes-Benz car shampoo or cleaning cloths.

Cleaning the sensors

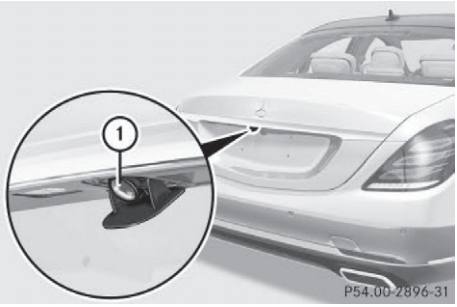
! If you clean the sensors with a high-pressure cleaner, make sure that you keep a distance of at least 30 cm between the vehicle and the high-pressure cleaner nozzle. Information about the correct distance is available from the equipment manufacturer.



▶ Clean sensors ① of the driving systems with water, car shampoo and a soft cloth.

Cleaning the reversing camera

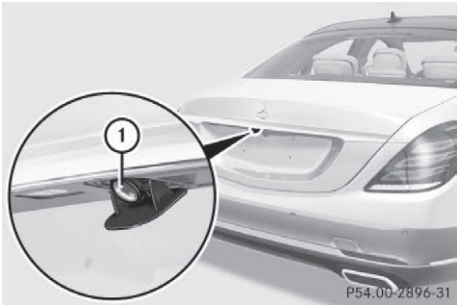
! Do not clean the camera lens and the area around the reversing camera with a high-pressure cleaner.



- Make sure that the vehicle is stationary and that the key is in position **2** in the ignition lock.
- **To open the cover of the reversing camera:** with the multimedia system switched on, call up the vehicle menu: press the button.
- To switch to the menu bar: slide ⬇ the controller.
- To select System settings: turn and press the controller.
- To select Rear view camera: turn and press the controller.
- To select Open camera cover: turn and press the controller.
  The reversing camera cover opens.
- **To clean the reversing camera:** use clean water and a soft cloth to clean camera lens ①.

Cleaning the 360° camera

! Do not clean the camera lens and the area around the 360° camera with a high-pressure cleaner.360



- Make sure that the vehicle is stationary and that the key is in position **2** in the ignition lock.
- **To open the cover of the 360° camera:** with the multimedia system activated, call up the vehicle menu: press the button.
- To switch to the menu bar: slide ⬇ the controller.
- To select System settings: turn and press the controller.
- To select the 360° camera: turn and press the controller.
- To select Open camera cover: turn and press the controller.
  The cover of the 360° camera opens.
- **To clean the 360° camera:** clean camera lens ① with clean water and a soft cloth.

If you drive at speeds above 30 km/h or with the key in position **0** or **1** in the ignition lock, the cover of the 360° camera closes automatically.

Cleaning the exhaust tail pipes

⚠ **WARNING**

The exhaust tail pipe and tail pipe trim can become very hot. If you come into contact with these parts of the vehicle, you could burn yourself. There is a risk of injury.

Always be particularly careful around the exhaust tail pipe and the tail pipe trim. Allow these components to cool down before touching them.

! Do not clean the exhaust pipe with acid-based cleaning agents, such as sanitary cleanser or wheel cleaner.

Impurities combined with the effects of road grit and corrosive environmental factors may cause flash rust to form on the surface. You can

restore the original shine of the exhaust pipe by cleaning it regularly, especially in winter and after washing.

- ▶ Clean the exhaust pipe with a care product tested and approved by Mercedes-Benz.

Cleaning the trailer tow hitch

Environmental note

Dispose of oily and greasy cloths in an environmentally-responsible manner.

! Do not clean the ball coupling with a high-pressure cleaner. Do not use solvents.

! Please note the care instructions in the trailer coupling manufacturer's operating instructions.

The ball coupling must be cleaned if it becomes dirty or corroded.

- ▶ Remove rust on the ball, e.g. with a wire brush.
- ▶ Remove dirt with a clean, lint-free cloth or a brush.
- ▶ After cleaning, lightly oil or grease the ball coupling.
- ▶ Check that the vehicle's trailer tow hitch is working properly.

i You can also have the maintenance work on the ball coupling and the trailer tow hitch carried out by a qualified specialist workshop.

Interior care

Cleaning the display

! For cleaning, do not use any of the following:

- alcohol-based thinner or petrol
- abrasive cleaning agents
- commercially-available household cleaning agents

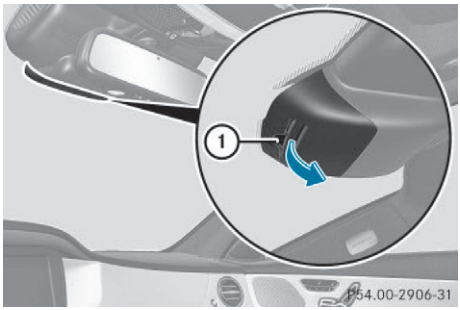
These may damage the display surface. Do not put pressure on the display surface when cleaning. This could lead to irreparable damage to the display.

- ▶ Before cleaning the display, make sure that it is switched off and has cooled down.
- ▶ Clean the display surface using a commercially available microfibre cloth and TFT/LCD display cleaner.
- ▶ Dry the display surface using a dry microfibre cloth.

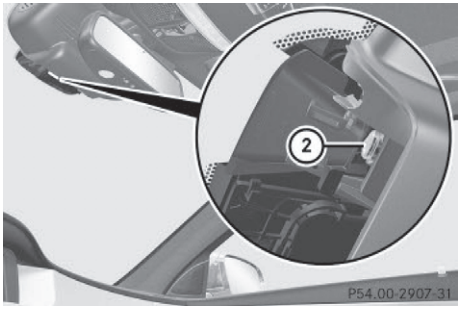
Cleaning Night and Day View Assist

Cleaning the camera behind the windscreen

! Never clean the camera lens. When cleaning the field of vision of the driving systems, make sure that you do not spray glass cleaner on the camera lens. If the camera lens is dirty, visit a qualified specialist workshop.

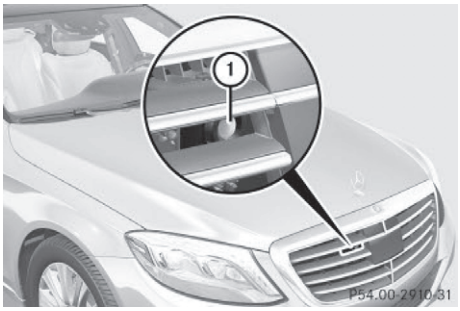


- ▶ Fold down the camera cover by recess ①.



- ▶ Use a soft cloth to clean the windscreen in front of camera ②.

Cleaning the camera in the radiator trim



Camera lens ① is cleaned at regular intervals by operating the windscreen washer system.

▶ Use clear water and a soft cloth to clean camera lens ① when it is very dirty.

Cleaning the plastic trim

⚠ WARNING

Care products and cleaning agents containing solvents can cause surfaces in the cockpit to become porous. This could result in plastic parts breaking away when the airbags are deployed. There is a danger of injury.

Do not use care products and cleaning agents containing solvents to clean the cockpit.

! Do not affix the following to plastic surfaces:

- stickers
- films
- scented oil bottles or similar items

You could otherwise damage the plastic.

! Do not allow cosmetics, insect repellent or sunscreen to come in contact with the plastic trim. This maintains the high-quality look of the surfaces.

▶ Wipe the plastic trim with a damp, lint-free cloth, e.g. a microfibre cloth.

▶ **Heavy soiling:** use car care and cleaning products recommended and approved by Mercedes-Benz.
The surface may change colour temporarily. Wait until the surface is dry again.

Cleaning the steering wheel and gear or selector lever

▶ Thoroughly wipe with a damp cloth or use leather care agents that have been recommended and approved by Mercedes-Benz.

Cleaning wooden trim and trim elements

! Do not use solvent-based cleaning agents such as tar remover, wheel cleaners, polishes or waxes. There is otherwise a risk of damaging the surface.

▶ Wipe the wooden trim and trim elements with a damp, lint-free cloth, e.g. a microfibre cloth.

▶ **Heavy soiling:** use car care and cleaning products recommended and approved by Mercedes-Benz.

Cleaning the seat covers

General notes

! Do not use a microfibre cloth to clean covers made out of real leather, artificial leather or DINAMICA. If used frequently, this can damage the cover.

Note that regular care is essential to make sure that the appearance and comfort of the covers are retained over time.

Genuine leather seat covers

! To retain the natural appearance of the leather, observe the following cleaning instructions:

- Clean genuine leather covers carefully with a damp cloth and then wipe the covers down with a dry cloth.
- Make sure that the leather does not become soaked. It may otherwise become rough and cracked.
- Only use leather care agents that have been tested and approved by Mercedes-Benz. You can obtain these from a qualified specialist workshop.

Leather is a natural product.

It has natural surface properties, e.g.:

- unevenness in structure
- marks caused by growth and injury
- subtle colour differences

These are characteristics of leather and not material faults.

Seat covers from other materials

! Observe the following when cleaning:

- clean artificial leather covers with a cloth moistened with a solution containing 1% detergent (e.g. washing-up liquid).
- clean cloth covers with a microfibre cloth moistened with a solution containing 1% detergent (e.g. washing-up liquid). Rub carefully, and always wipe entire seat sections to avoid leaving visible lines. Leave the seat to dry afterwards. Cleaning results depend on the type of dirt and how long it has been there.
- Clean DINAMICA covers with a damp cloth. Make sure that you wipe entire seat sections to avoid leaving visible lines.

Cleaning the seat belts

⚠ **WARNING**

Seat belts may be severely weakened if bleached or coloured. This may lead to the seat belts, for example, tearing or failing in an accident. There is an increased risk of injury, possibly even fatal.

Never bleach or colour seat belts.

! Do not clean the seat belts using chemical cleaning agents. Do not dry the seat belts at temperatures above 80 °C or in direct sunlight.

▶ Use clean, lukewarm water and soap solution.

Cleaning the roof lining and carpets

▶ **Roof lining:** if it is very dirty, use a soft brush or dry shampoo.

▶ **Carpets:** use the carpet and textile cleaning agents recommended and approved by Mercedes-Benz.

Useful information

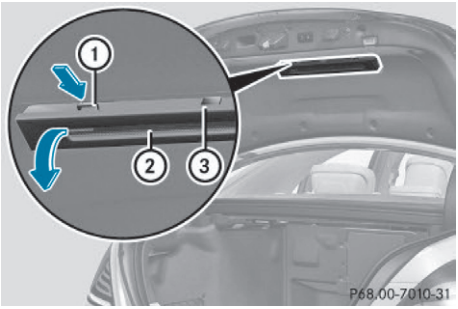
This Owner's Manual describes all models, series and optional equipment for your vehicle that were available at the time of going to press. National variations are possible. Note that your vehicle may not be equipped with all of the functions described. This is also the case for systems and functions relevant to safety.

Read the information on qualified specialist workshops: (▷ page 30).

Where will I find...?

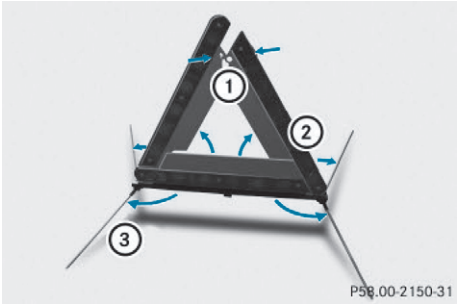
Warning triangle

Removing/replacing the warning triangle



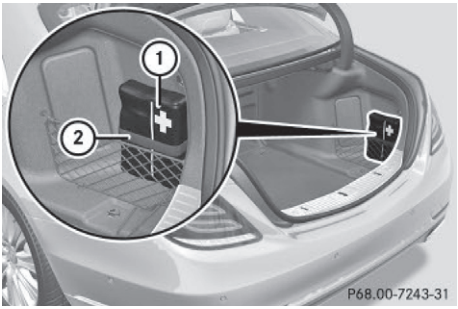
- **To remove:** open the boot lid.
- Press warning triangle holder ① in the direction of the arrow and open.
- Lift retaining clip ③ and remove warning triangle ②.
- **To replace:** place warning triangle ② back into warning triangle holder ①.
- Close warning triangle holder ① and push up to secure.

Setting up the warning triangle



- Fold legs ③ out to the side.
- Fold side reflectors ② upwards to form a triangle and lock them at the top using press stud ①.

First-aid kit



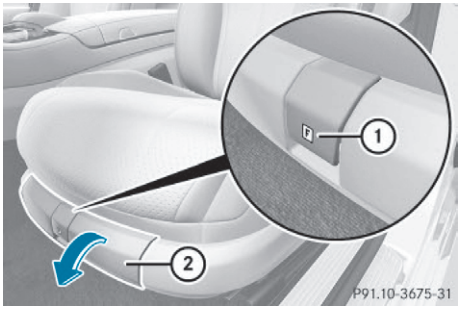
First-aid kit ① is located in the stowage net in the right-hand side of the boot and is secured with Velcro fastener ②.

- Open the boot lid.
- Open Velcro fastener ②.
- Remove first-aid kit ①.

Check the expiry date on the first-aid kit at least once a year. Replace the contents if necessary, and replace any missing items.

Fire extinguisher

Keep the stowage compartment closed while the vehicle is in motion. It may otherwise be damaged.



The fire extinguisher is located in the stowage compartment underneath the driver's seat.

▶ Pull handle ① upward and fold cover ② forward.

▶ Remove the fire extinguisher from the stowage compartment.

Have the fire extinguisher refilled after each use and checked every one or two years. It may otherwise fail in an emergency.

Observe the legal requirements for each individual country.

Vehicle tool kit

General notes

Apart from some country-specific variants, vehicles are not equipped with tyre-changing tools.

Vehicles with a petrol engine: If the vehicle is equipped with tyre-changing tools, these are located in the stowage well under the boot floor.

Vehicles with a diesel engine: if the vehicle is equipped with a tyre-change tool kit, this is located in the tool bag in the boot.

Some tools for changing a wheel are specific to the vehicle. For more information on which tyre changing tools are required and approved to perform a wheel change on your vehicle, consult a qualified specialist workshop.

Necessary tyre-changing tools can include, for example:

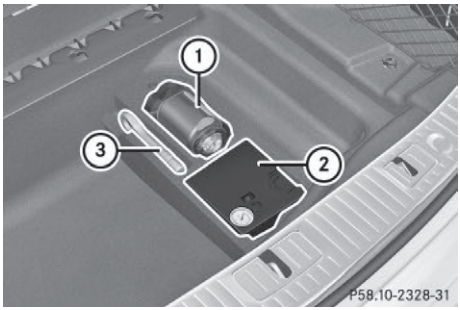
- Jack
- Wheel chock
- Wheel wrench
- Ratchet ring spanner
- Centring pin

ⓘ The jack weighs approximately 3.4 kg.

The maximum load bearing capacity of the jack can be found on the adhesive label on the jack.

The jack is maintenance-free. If there is a malfunction, please contact a qualified specialist workshop.

Vehicles with a TIREFIT kit



① Tyre sealant filler bottle
② Tyre inflation compressor
③ Towing eye

▶ Open the boot lid.

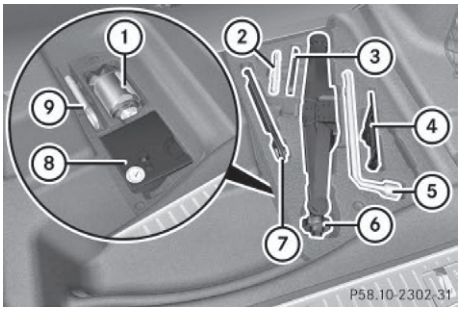
▶ Lift the boot floor upwards (▷ page 372).

▶ Use the TIREFIT kit (▷ page 410).

ⓘ The tyre inflation compressor weighs approximately 1.2 kg.

The tyre inflation compressor is maintenance-free. If there is a malfunction, please contact a qualified specialist workshop.

Vehicles with a tyre-change tool kit



① Tyre sealant filler bottle
② Centring pin
③ Jacking support
④ Folding wheel chock

⑤ Wheel wrench
⑥ Jack
⑦ Ratchet
⑧ Tyre inflation compressor
⑨ Towing eye

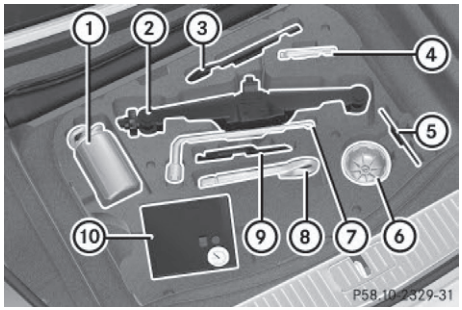
The tyre-change tool kit is in a tray in the stowage well under the boot floor.

In vehicles with a diesel engine, the tyre-change tool kit is located in the tool bag in the boot. The tool bag is secured to the boot floor by Velcro fasteners.

▶ Open the boot lid.
▶ Lift the boot floor upwards (▷ page 372) or detach the tool bag Velcro fasteners.

ⓘ Example: equipment and country-specific variations possible.

Mercedes-AMG vehicles



① Tyre sealant filler bottle
② Jack
③ Ratchet
④ Centring pin
⑤ Jacking support
⑥ Socket
⑦ Wheel wrench
⑧ Towing eye
⑨ Folding wheel chock
⑩ Tyre inflation compressor

The tyre-change tool kit is in a tray in the stowage well under the boot floor.

▶ Open the boot lid.
▶ Lift the boot floor upwards (▷ page 372).

ⓘ Example: equipment and country-specific variations possible.

Flat tyre

Preparing the vehicle

Your vehicle may be equipped with:

- tyres with run-flat characteristics (MOExtended tyres) (▷ page 410)
  Vehicle preparation is not necessary on vehicles with MOExtended tyres.
- a TIREFIT kit (▷ page 408)
- an emergency spare wheel (certain countries only) (▷ page 461)

Vehicles with MOExtended tyres are not equipped with a TIREFIT kit at the factory. It is therefore recommended that you additionally equip your vehicle with a TIREFIT kit if you fit tyres that do not feature run-flat characteristics, e.g. winter tyres. A TIREFIT kit can be obtained from a qualified specialist workshop.

Information on changing and fitting wheels (▷ page 435).

▶ Stop the vehicle as far away as possible from traffic on solid, non-slippery and level ground.
▶ Switch on the hazard warning lamps.
▶ Secure the vehicle against rolling away (▷ page 205).
▶ If possible, bring the front wheels into the straight-ahead position.
▶ Switch off the engine.
▶ Open the driver's door.
The on-board electronics now have status **0**. This is the same as the key having been removed.
▶ Remove the Start/Stop button from the ignition lock (▷ page 175).

or, if the key is inserted in the ignition lock:

▶ Remove the key from the ignition lock.
▶ Make sure that the passengers are not endangered as they do so. Make sure that no one is near the danger area while a wheel is being changed. Anyone who is not directly assisting in the wheel change should, for example, stand behind the barrier.
▶ Get out of the vehicle. Pay attention to traffic conditions when doing so.
▶ Close the driver's door.
▶ Place the warning triangle at a suitable distance (▷ page 407). Observe legal requirements.

MOExtended tyres (tyres with run-flat characteristics)

General notes

With MOExtended tyres (tyres with run-flat characteristics), you can continue to drive your vehicle even if there is a total loss of pressure in one or more tyres. The affected tyre must not show any clearly visible damage.

You can recognise MOExtended tyres by the MOExtended marking which appears on the tyre wall. You will find this marking next to the tyre size designation, the load-bearing capacity and the speed index.

MOExtended tyres may only be used in conjunction with an activated tyre pressure loss warning system or tyre pressure monitor.

If a pressure loss warning message appears in the multifunction display:

- observe the instructions in the display messages (▷ page 344)
- check the tyre for damage
- if driving on, observe the following notes

The driving distance possible in run-flat mode is approximately 80 km when the vehicle is partially laden and approximately 30 km when the vehicle is fully laden.

In addition to the vehicle load, the driving distance possible depends upon:

- vehicle speed
- road condition
- outside temperature

The driving distance possible in run-flat mode may be reduced by extreme driving conditions/manoeuvres, or it can be increased through a moderate style of driving.

The driving distance possible in run-flat mode is counted from the moment the tyre pressure loss warning appears in the multifunction display.

You must not exceed a maximum speed of 80 km/h.

When replacing one or all tyres, observe the following specifications for your vehicle's tyres:

- size
- the type and
- the "MOExtended" mark

If a tyre has gone flat and cannot be replaced with an MOExtended tyre, a standard tyre may be used as a temporary measure. Make sure that you use the proper size and type (summer or winter tyre).

Vehicles with MOExtended tyres are not equipped with a TIREFIT kit at the factory. It is therefore recommended that you additionally equip your vehicle with a TIREFIT kit if you fit tyres that do not feature run-flat characteristics, e.g. winter tyres. A TIREFIT kit can be obtained from a qualified specialist workshop.

Important safety notes

⚠ WARNING

When driving in emergency mode, the driving characteristics deteriorate, e.g. when cornering, accelerating quickly and when braking. There is a risk of accident.

Do not exceed the stated maximum speed. Avoid abrupt steering and driving manoeuvres, and driving over obstacles (kerbs, potholes, off-road). This applies in particular to a laden vehicle.

Stop driving in emergency mode if:

- you hear banging noises.
- the vehicle starts to shake.
- you see smoke and smell rubber.
- ESP® is intervening constantly.
- there are tears in the sidewalls of the tyre.

After driving in emergency mode, have the wheel rims checked at a qualified specialist workshop with regard to their further use. The faulty tyre must be replaced.

TIREFIT kit

Important safety notes

TIREFIT is a tyre sealant.

You can use TIREFIT to seal punctures of up to 4 mm, particularly those in the tyre tread. You can use TIREFIT at outside temperatures down to -20 °C.

⚠ WARNING

In the following situations, the tyre sealant is unable to provide sufficient breakdown assistance, as it is unable to seal the tyre properly:

- there are cuts or punctures in the tyre larger than those mentioned above.
- the wheel rim is damaged.
- you have driven at very low tyre pressures or on a flat tyre.

There is a risk of an accident.

Do not drive any further. Contact a qualified specialist workshop.

⚠ WARNING

The tyre sealant is harmful and causes irritation. It must not come into contact with your skin, eyes or clothing or be swallowed. Do not inhale TIREFIT fumes. Keep tyre sealant away from children. There is a risk of injury.

If you come into contact with the tyre sealant, observe the following:

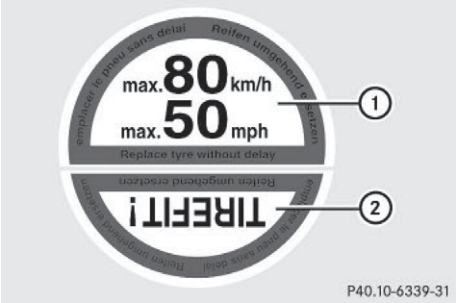
- Rinse off the tyre sealant from your skin immediately with water.
- If the tyre sealant comes into contact with your eyes, immediately rinse them thoroughly with clean water.
- If tyre sealant is swallowed, immediately rinse your mouth out thoroughly and drink plenty of water. Do not induce vomiting, and seek medical attention immediately.
- Immediately change out of clothing which has come into contact with tyre sealant.
- If an allergic reaction occurs, seek medical attention immediately.

! Do not operate the tyre inflation compressor for longer than eight minutes at a time without a break. It may otherwise overheat.

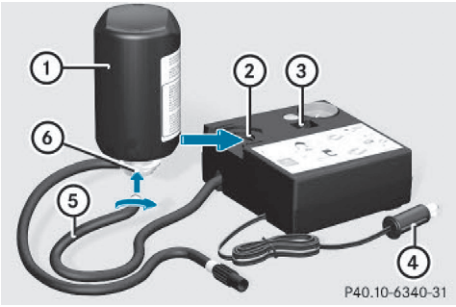
The tyre inflation compressor can be operated again once it has cooled down.

Comply with the manufacturer's safety instructions on the sticker on the tyre inflation compressor.

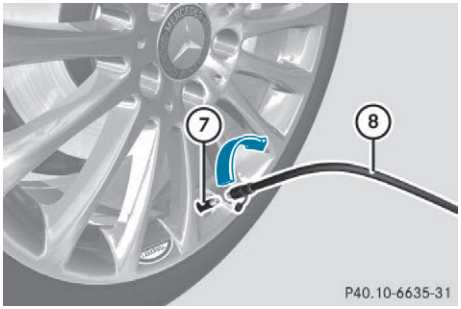
Using the TIREFIT kit



- ▶ Do not remove any foreign objects which have penetrated the tyre, e.g. screws or nails.
- ▶ Remove the tyre sealant bottle, the accompanying TIREFIT sticker and the tyre inflation compressor from the stowage space under the boot floor (▷ page 408).
- ▶ 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.
- ▶ Screw hose ⑤ onto flange ⑥ of tyre sealant bottle ①.
- ▶ Place tyre sealant bottle ① head downwards into recess ② of the tyre inflation compressor.



- ▶ Remove the cap from valve ⑦ on the faulty tyre.
- ▶ Screw filler hose ⑧ onto valve ⑦.
- ▶ Insert plug ④ into a 12 V socket (▷ page 378) in your vehicle.
- ▶ Turn the key to position **1** in the ignition lock (▷ page 175).
- ▶ Press on and off switch ③ on the tyre inflation compressor to **I**.
  The tyre inflation compressor is switched on. The tyre is inflated.
  First, tyre sealant is pumped into the tyre. The pressure may briefly rise to approximately 500 kPa (5 bar/73 psi).
  Do not switch off the tyre inflation compressor during this phase.
- ▶ Let the tyre inflation compressor run for a maximum of five minutes. The tyre should then have attained a pressure of at least 180 kPa (1.8 bar/26 psi).

If a pressure of 180 kPa (1.8 bar/26 psi) has been attained after five minutes, see "Tyre pressure reached" (▷ page 412).

If a tyre pressure of 180 kPa (1.8 bar/26 psi) has not been attained after five minutes, see "Tyre pressure not reached" (▷ page 412).

If tyre sealant leaks out, make sure you clean the affected area as quickly as possible. It is preferable to use clear water.

If you get tyre sealant on your clothing, have it cleaned as soon as possible with perchloroethylene.

Tyre pressure not reached

If a pressure of 180 kPa (1.8 bar/26 psi) has not been attained after five minutes:

- ▶ Switch off the tyre inflation compressor.
- ▶ Unscrew the filler hose from the valve of the faulty tyre.
  Please note that tyre sealant may leak out when unscrewing the filler hose.
- ▶ Very slowly drive forwards or reverse approximately 10 m.
- ▶ Pump up the tyre again.
  After a maximum of five minutes the tyre pressure must be at least 180 kPa (1.8 bar/26 psi).

⚠ WARNING

If the required tyre pressure is not reached after the specified time, the tyre is too badly damaged. The tyre sealant cannot repair the tyre in this instance. Damaged tyres and a tyre pressure that is too low can significantly impair the vehicle's braking and driving characteristics. There is a risk of accident.

Do not continue driving. Contact a qualified specialist workshop.

Tyre pressure reached

⚠ WARNING

A tyre temporarily sealed with tyre sealant impairs the driving characteristics and is not suitable for higher speeds. There is a risk of accident.

You should therefore adapt your driving style accordingly and drive carefully. Do not exceed the specified maximum speed with a tyre that has been repaired using tyre sealant.

The maximum permissible speed for a tyre sealed with tyre sealant is 80 km/h. The upper part of the TIREFIT sticker must be affixed to the instrument cluster where it will be easily seen by the driver.

! After use, excess tyre sealant may run out of the filler hose. This could cause stains.
Therefore, place the filler hose in the plastic bag which contained the TIREFIT kit.

Environmental note

Have the used tyre sealant bottle disposed of professionally, e.g. at a qualified specialist workshop.

If a tyre pressure of 180 kPa (1.8 bar/26 psi) has been attained after five minutes:

- ▶ Switch off the tyre inflation compressor.
- ▶ Unscrew the filler hose from the valve of the faulty tyre.
- ▶ Stow the tyre sealant bottle, the tyre inflation compressor and the warning triangle.
- ▶ **Pull away immediately**.
- ▶ Stop after driving for approximately ten minutes and check the tyre pressure with the tyre inflation compressor.
  The tyre pressure must now be at least 130 kPa (1.3 bar/19 psi).

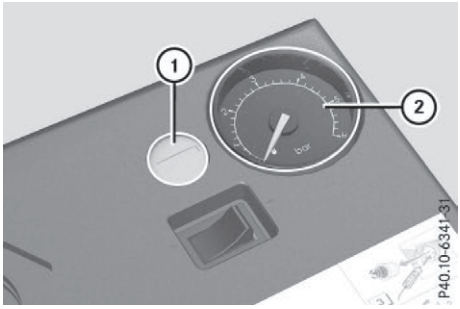
⚠ WARNING

If the required tyre pressure is not reached after driving for a short period, the tyre is too badly damaged. The tyre sealant cannot repair the tyre in this instance. Damaged tyres and a tyre pressure that is too low can significantly impair the vehicle's braking and driving characteristics. There is a risk of accident.

Do not continue driving. Contact a qualified specialist workshop.

ⓘ In your vehicle, you will find a sticker with the Mercedes-Benz Service24h 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:** depress pressure release button ⑨ next to pressure gauge ⑩.
- ▶ When the tyre pressure is correct, unscrew the filler hose from the valve of the sealed tyre.
- ▶ Screw the valve cap onto the tyre valve of the sealed tyre.
- ▶ Pull the tyre sealant bottle out of the tyre inflation compressor.
  The filler hose stays on the tyre sealant bottle.
- ▶ Drive to the nearest qualified specialist workshop and have the tyre changed there.
- ▶ Have the tyre sealant bottle replaced as soon as possible at a qualified specialist workshop.
- ▶ Have the tyre sealant bottle replaced every four years at a qualified specialist workshop.

Battery (vehicle)

12 V battery - important safety notes

Hybrid vehicles and PLUG-IN HYBRID vehicles are equipped with a 12 V battery and a high-voltage battery. The following notes refer to the 12 V battery. Notes on the high-voltage battery can be obtained in the "High-voltage battery – important safety notes" section (▷ page 415).

Work on the battery, e.g. removing or fitting, requires specialist knowledge and the use of special tools. Therefore, always have work on the battery carried out at a qualified specialist workshop.

⚠ WARNING

Work carried out incorrectly on the battery can lead, for example, to a short circuit and thus damage the vehicle electronics. This can lead to function restrictions applying to

▷▷

safety-relevant systems, e.g the lighting system, the ABS (anti-lock braking system) or the ESP® (Electronic Stability Program). The operating safety of your vehicle may be restricted.

You could lose control of the vehicle, for example:

- when braking
- in the event of abrupt steering manoeuvres and/or when the vehicle's speed is not adapted to the road conditions

There is a risk of an accident.

In the event of a short circuit or a similar incident, contact a qualified specialist workshop immediately. Do not drive any further. Always have work on the battery carried out at a qualified specialist workshop.

Further information about ABS (▷ page 75) and ESP® (▷ page 80).

All vehicles except Mercedes-AMG vehicles:

⚠ WARNING

Electrostatic build-up can lead to the creation of sparks, which could ignite the highly explosive gases of a battery. There is a risk of an explosion.

Before handling the battery, touch the vehicle body to remove any existing electrostatic build-up.

The highly flammable gas mixture is created while the battery is charging and when jump-starting.

Always make sure that neither you nor the battery is electrostatically charged. Electrostatic charge is created, for example:

- by wearing synthetic fibre clothing
- by friction between clothing and the seat
- when you pull or push the battery across carpet or other synthetic materials
- when you rub the battery with a cloth

⚠ WARNING

During the charging process, a battery produces hydrogen gas. If a short circuit occurs or sparks are created, the hydrogen gas can ignite. There is a risk of an explosion.

- Make sure that the positive terminal of a connected battery does not come into contact with vehicle parts.
- Never place metal objects or tools on a battery.
- It is important that you observe the described order of the battery terminals when connecting and disconnecting a battery.
- When jump-starting, make sure that the battery poles with identical polarity are connected.
- It is particularly important to observe the described order when connecting and disconnecting the jump leads.
- Never connect or disconnect the battery terminals while the engine is running.

⚠ WARNING

Battery acid is caustic. There is a risk of injury.

Avoid contact with the skin, eyes or clothing. Do not breathe in any battery gases. Do not lean over the battery. Keep the batteries out of the reach of children. Immediately rinse off battery acid thoroughly with plenty of clean water and seek medical attention at once.

All vehicles:

Environmental note



Batteries contain pollutants. It is illegal to dispose of them with the household rubbish. They must be collected separately and disposed of in an environmentally responsible recycling system.



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

! Have the battery checked regularly at a qualified specialist workshop.

Observe the service intervals in the Service Booklet or contact a qualified specialist workshop for more information.

! Always have work on the batteries carried out at a qualified specialist workshop. Should it, in exceptional circumstances, be absolutely necessary to disconnect the 12-volt battery yourself, please observe the following:

- secure the vehicle to prevent it from rolling away.
- switch the ignition off.
- first, disconnect the negative terminal, followed by the positive terminal.

The transmission is locked in position **P** after disconnecting the battery.

After the work has been completed, firmly reinstall the battery and the cover of the positive terminal.

Comply with safety precautions 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 eye protection.



Keep children away.



Observe this Owner's Manual.

For safety reasons, Mercedes-Benz recommends that you only use batteries which have been tested and approved for your vehicle by Mercedes-Benz. These batteries provide increased impact protection to prevent vehicle occupants from suffering acid burns should the battery be damaged in the event of an accident.

In order for the battery to achieve the maximum possible service life, it must always be sufficiently charged.

Like other batteries, the vehicle battery may discharge over time if you do not use the vehicle. In such cases, have the battery disconnected at a qualified specialist workshop. You can also charge the battery with a charger recommended by Mercedes-Benz. For more information, please contact a qualified specialist workshop.

Have the battery charge checked more frequently if you use the vehicle mainly for short trips or if you leave it standing idle for a lengthy period. Consult a qualified specialist workshop if you wish to leave your vehicle parked up for a long period of time.

When you park the vehicle, remove the key if you do not require any electrical consumers. The vehicle will then use very little energy, thus conserving battery power.

Hybrid vehicles and PLUG-IN HYBRID vehicles: if battery charge is sufficient, the high-voltage battery can also supply the 12 V battery. This only happens if the battery charge of the 12 V battery requires this, e.g. after using electrical consumers for an extended period with the engine switched off. As the on-board voltage is continuously monitored this can also be performed when the engine is switched off. The battery charge of the 12 V battery and the on-board voltage are thereby kept stable for longer.

High-voltage battery - important safety notes

Only hybrid vehicles and PLUG-IN HYBRID vehicles are equipped with a high-voltage battery.

⚠ DANGER

The vehicle's high voltage electrical system is under high voltage. If you modify components in the vehicle's high-voltage electrical system or touch damaged components, you may be electrocuted. The components in the vehicle's high-voltage electrical system may be damaged in an accident, although the damage is not visible. There is a risk of fatal injury.

▷▷

Do not touch any high-voltage components after an accident and never modify the vehicle's high-voltage electrical system. Have the vehicle towed away after an accident and the vehicle's high-voltage electrical system checked by a qualified specialist workshop.

⚠ WARNING

In the event of a vehicle fire, the internal pressure of the high-voltage battery could exceed a critical value. In this case, flammable gas escapes through a vent valve in the vehicle's underbody. The gas can ignite. There is a risk of injury.

Leave the danger area immediately. Secure the danger area at a suitable distance, whilst observing legal requirements.

⚠ WARNING

If the housing of the high-voltage battery has been damaged, electrolyte and gases may leak out. These are poisonous and caustic. There is a risk of injury.

Avoid contact with the skin, eyes or clothing. Immediately rinse electrolyte splashes off with water and seek medical attention straight away.

! Exhaustive discharge caused by the vehicle standing idle for lengthy periods can damage the high-voltage battery.

Hybrid vehicles: if the vehicle is idle for lengthy periods, run it for a few minutes once every six weeks to charge up the high-voltage battery. During the charging process, switch off all electrical consumers, e.g. the automatic climate control or the seat heating.

PLUG-IN HYBRID vehicles: make sure that the high-voltage battery is connected to a charging station during long periods when the vehicle is standing idle.

Consult a Mercedes-Benz Service Centre if you wish to leave your vehicle parked up for a long period of time.

Charging the 12 V battery

Mercedes-AMG vehicles:

! Only use battery chargers with a maximum charging voltage of 14.4 V.

All other vehicles

⚠ WARNING

During charging and jump-starting, explosive gases can escape from the battery. There is a risk of an explosion.

Particularly avoid fire, naked flames, creating sparks and smoking. Ensure there is sufficient ventilation while charging and jump-starting. Do not lean over a battery.

⚠ WARNING

Battery acid is caustic. There is a risk of injury.

Avoid contact with the skin, eyes or clothing. Do not breathe in any battery gases. Do not lean over the battery. Keep the batteries out of the reach of children. Immediately rinse off battery acid thoroughly with plenty of clean water and seek medical attention at once.

⚠ WARNING

A discharged battery can freeze at temperatures below freezing point. When jump-starting the vehicle or charging the battery, gases can escape from the battery. There is a risk of an explosion.

Allow the frozen battery to thaw out before charging it or jump-starting.

! Only use battery chargers with a maximum charging voltage of 14.8 V.

All vehicles:

! Only charge the battery using the jump-start connection point.

The jump-starting connection point is in the engine compartment (▷ page 417).

- ▶ Open the bonnet.
- ▶ Connect the battery charger to the positive terminal and earth point in the same order as when connecting the donor battery in the jump-starting procedure (▷ page 417).

Keep away from fire and open flames. Do not lean over the battery. Never charge the battery if it is still fitted to the vehicle, unless you use a battery charger which has been tested and

approved by Mercedes-Benz. A battery charger unit specially adapted for Mercedes-Benz vehicles and tested and approved by Mercedes-Benz is available as an accessory. This device permits charging of the battery in position. Contact a Mercedes-Benz Service Centre for information and availability. Read the battery charger's operating instructions before charging the battery.

All vehicles except Mercedes-AMG vehicles: 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 reduced. The starting characteristics may be impaired, especially at low temperatures. Have the thawed battery checked at a qualified specialist workshop.

Mercedes-AMG vehicles: at low temperatures, do not charge a battery which has been removed using a battery charger. Allow the battery to warm up gently first, if necessary. Otherwise, the service life can be shortened and the starting characteristics impaired, especially at low temperatures.

Hybrid vehicles and PLUG-IN HYBRID vehicles: if battery charge is sufficient, the high-voltage battery can also supply the 12 V battery. This only happens if the battery charge of the 12 V battery requires this, e.g. after using electrical consumers for an extended period with the engine switched off. As the on-board voltage is continuously monitored this can also be performed when the engine is switched off. The battery charge of the 12 V battery and the on-board voltage are thereby kept stable for longer.

Charging the high-voltage battery when stationary (hybrid vehicles)

Only hybrid vehicles are equipped with a high-voltage battery.

⚠ WARNING

Combustion engines emit poisonous exhaust gases such as carbon monoxide. Inhaling these exhaust gases leads to poisoning. There is a risk of fatal injury. Therefore never leave the engine running in enclosed spaces without sufficient ventilation.

! Only charge the high-voltage battery in the "Charging when stationary" mode. Do not connect a battery charger to the high-voltage battery. Otherwise, the vehicle's high-voltage electrical system could be damaged.

▶ Stop the vehicle if the internal combustion engine is running.
The internal combustion engine drives the electric motor. The electric motor is operating as an alternator. The high-voltage battery is charging.

If the high-voltage battery is too heavily discharged, recharge the high-voltage battery to at least 60% of its capacity. In the "Charging when stationary" operating mode, you can observe the charge status of the high-voltage battery up to a maximum of 70 % in the multimedia system display and in the multifunction display (▷ page 263).

Jump-starting

For the jump-starting procedure, use only the jump-starting connection point, consisting of a positive terminal and an earth point, in the engine compartment.

All vehicles except Mercedes-AMG vehicles:

⚠ WARNING

Battery acid is caustic. There is a risk of injury.

Avoid contact with the skin, eyes or clothing. Do not breathe in any battery gases. Do not lean over the battery. Keep the batteries out of the reach of children. Immediately rinse off battery acid thoroughly with plenty of clean water and seek medical attention at once.

⚠ WARNING

During charging and jump-starting, explosive gases can escape from the battery. There is a risk of an explosion.

Particularly avoid fire, naked flames, creating sparks and smoking. Ensure there is sufficient ventilation while charging and jump-starting. Do not lean over a battery.

⚠ WARNING

During the charging process, a battery produces hydrogen gas. If a short circuit occurs or sparks are created, the hydrogen gas can ignite. There is a risk of an explosion.

- Make sure that the positive terminal of a connected battery does not come into contact with vehicle parts.
- Never place metal objects or tools on a battery.
- It is important that you observe the described order of the battery terminals when connecting and disconnecting a battery.
- When jump-starting, make sure that the battery poles with identical polarity are connected.
- It is particularly important to observe the described order when connecting and disconnecting the jump leads.
- Never connect or disconnect the battery terminals while the engine is running.

⚠ WARNING

A discharged battery can freeze at temperatures below freezing point. When jump-starting the vehicle or charging the battery, gases can escape from the battery. There is a risk of an explosion.

Allow the frozen battery to thaw out before charging it or jump-starting.

If the indicator/warning lamps 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 reduced. The starting characteristics may be impaired, especially at low temperatures. Have the thawed battery checked at a qualified specialist workshop.

All vehicles:

! Vehicles with a petrol engine: avoid repeated and lengthy starting attempts. Otherwise, the non-combusted fuel may damage the catalytic converter.

Do not use a rapid charging device to start the vehicle. If your vehicle's battery is discharged, the engine can be jump-started from another vehicle or from a second battery using jump leads. Observe the following points:

- The battery is not accessible in all vehicles. If the other vehicle's battery is not accessible, jump-start the vehicle using a second battery or a jump-starting device.
- **Vehicles with a petrol engine:** only jump-start the vehicle when the engine and exhaust system are cold.
- **All vehicles except Mercedes-AMG vehicles:** do not start the engine if the battery is frozen. Let the battery thaw first.
- Jump-starting may only be performed using batteries with a nominal voltage of 12 V.
- Only use jump leads that have a sufficient cross-section and insulated terminal clamps.
- If the battery is fully discharged, leave the battery that is being used to jump-start connected for a few minutes before attempting to start. This charges the empty battery a little.
- Make sure that the two vehicles do not touch.

Make sure that:

- The jump leads are not damaged.
- Non-insulated parts of the terminal clamps do not come into contact with other metal parts while the jump leads are connected to the battery.
- The jump leads cannot come into contact with parts which can move when the engine is running, such as the V-belt pulley or the fan.

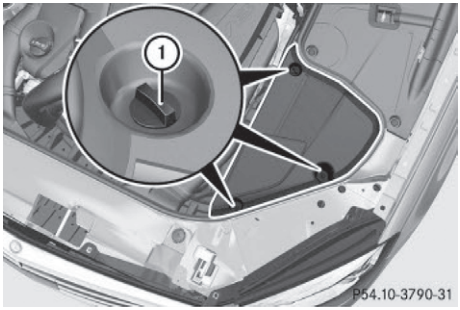
▶ Secure the vehicle by applying the electric parking brake.

▶ Shift the transmission to position **P**.

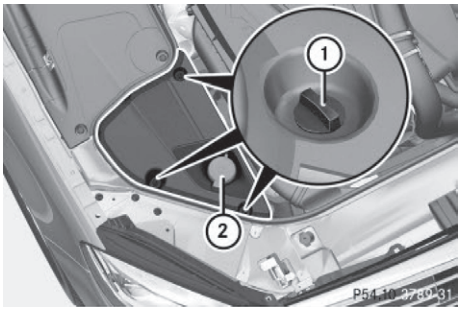
▶ Make sure that the ignition is switched off . All indicator lamps in the instrument cluster must be off. When using the key, turn the key to position **0** in the ignition lock and remove it (▷ page 175).

▶ Switch off all electrical consumers, e.g. rear window heating, lighting etc.

▶ Open the bonnet.



Earth point cover (example: right-hand drive)

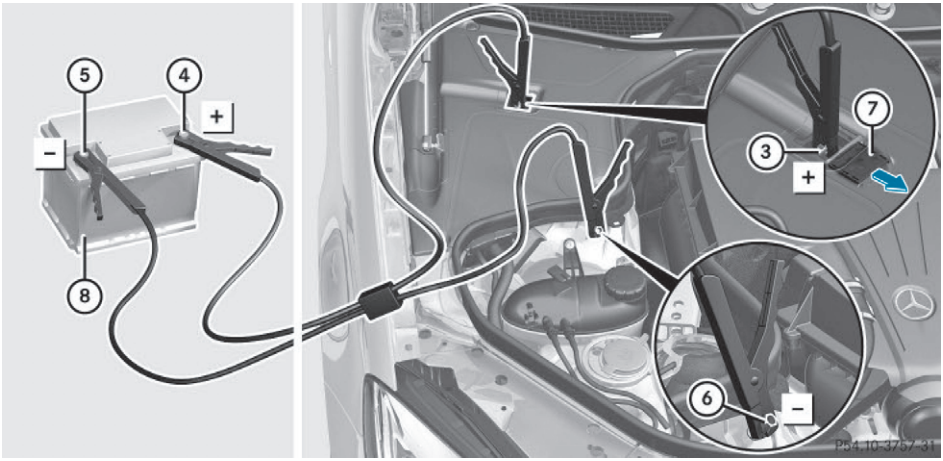


Earth point cover (example: left-hand drive)

▶ Turn fasteners ① one ¼ turn and remove.

▶ **Right-hand drive:** remove cover.

▶ **Left-hand drive:** remove the cover whilst pressing down on cover plate ② of the washer fluid reservoir.



(Example: left-hand-drive vehicle)

Position number ⑧ identifies the charged battery of the other vehicle or an equivalent jump-starting device.

Right-hand-drive vehicle: the positive terminal and earth point are on the opposite side of the vehicle.

- ▶ Slide cover ⑦ of positive terminal ③ in the direction of the arrow.
- ▶ Connect positive terminal ③ on your vehicle to positive terminal ④ of donor battery ⑧ using the jump lead. Always begin with positive terminal ③ on your own vehicle first.
- ▶ Start the engine of the donor vehicle and run it at idling speed.
- ▶ Connect negative terminal ⑤ of donor battery ⑧ to earth point ⑥ of your vehicle using the jump lead, connecting the jump lead to donor battery ⑧ first.
- ▶ Start the engine.
- ▶ Before disconnecting the jump leads, let the engines run for several minutes.
- ▶ First, remove the jump leads from earth point ⑥ and negative terminal ⑤, then from positive clamp ③ and positive terminal ④. Begin each time at the contacts on your own vehicle first.
- ▶ After removing the jump leads, close cover ⑦ of positive terminal clamp ③.
- ▶ Replace the earth point cover. Make sure all mountings for the fasteners are positioned precisely beneath the corresponding recesses in the cover.
- ▶ Press fasteners ① into the mountings. Turn the fasteners by ¼ of a turn to engage.
- ▶ Have the battery checked at a qualified specialist workshop.

Hybrid vehicles and PLUG-IN HYBRID vehicles: if your vehicle has been jump-started, it may not be possible to use the electric drive for approximately 30 minutes.

Jump-starting is not considered to be a normal operating condition.

ⓘ Jump-starting cables and further information regarding jump starting can be obtained at any qualified specialist workshop.

Towing away and tow-starting

Important safety notes

⚠ WARNING

Safety-relevant functions are restricted or not available if:

- the engine is not running.
- the brake system or the power steering is malfunctioning
- the voltage supply or the vehicle's electrical system is malfunctioning.

If your vehicle is towed, significantly greater force may be required to steer the vehicle or to brake. There is a risk of an accident.

In such circumstances, use a towing bar. Make sure that the steering is moving freely before towing.

⚠ WARNING

When towing or tow-starting another vehicle and its weight is greater than the permissible gross weight of your vehicle, the:

- towing eye may be torn off
- car/trailer combination may swerve or even overturn

There is a risk of an accident.

When towing or tow-starting another vehicle, its weight should not be greater than the permissible gross weight of your vehicle.

Details on the permissible gross vehicle weight of your vehicle can be found on the vehicle identification plate (▷ page 465).

! When COLLISION PREVENTION ASSIST PLUS, DISTRONIC PLUS or the HOLD function is activated, the vehicle brakes automatically in certain situations.

To avoid damage to the vehicle, deactivate these systems in the following or similar situations:

- when towing away
- in a car wash

! Make sure that the electric parking brake is released. If the electric parking brake is faulty, visit a qualified specialist workshop.

! Only secure the tow cable or tow bar to the towing eyes or, if available, to the trailer tow hitch. You could otherwise damage the vehicle.

! Observe the following points when towing with a tow rope:

- secure the tow rope on the same side on both vehicles.
- make sure that the tow rope is not longer than legally permitted. Mark the tow rope in the middle, e.g. with a white cloth (30 x 30 cm). This makes other road users aware that a vehicle is being towed.
- only secure the tow rope to the towing eye.
- observe the brake lamps of the towing vehicle while driving. Always maintain a distance so that the tow rope does not sag.
- do not use steel cables or chains to tow your vehicle. You could otherwise damage the vehicle.

! Do not use the towing eyes for recovery purposes as this could damage the vehicle. If in doubt, recover the vehicle with a crane.

! When towing, pull away slowly and smoothly. If the tractive power is too high, the vehicles could be damaged.

! Shift the automatic transmission to **N** and do not open the driver's or front passenger's door during towing. The automatic transmission may otherwise shift to position **P**, which could damage the transmission.

! You may tow the vehicle for a maximum of 50km. A towing speed of 50 km/h must not be exceeded.

For towing distances over 50 km, the entire vehicle must be lifted up and transported.

Observe the legal requirements for the relevant countries when towing.

It is better to have the vehicle transported than to have it towed.

If the vehicle has suffered transmission damage, have it transported on a transporter or trailer.

The automatic transmission must be in position **N** when the vehicle is being towed away.

If the automatic transmission cannot be shifted to position **N**, have the vehicle transported on a transporter or trailer.

The battery must be connected and charged. Otherwise, you:

- cannot turn the key to position **2** in the ignition lock
- cannot release the electric parking brake
- cannot shift the automatic transmission to position **N**

Deactivate the automatic locking feature before towing the vehicle (▷ page 95). You could otherwise be locked out when pushing or towing the vehicle.

Deactivate tow-away protection before the vehicle is towed away (▷ page 85).

Hybrid vehicles and PLUG-IN HYBRID vehicles:

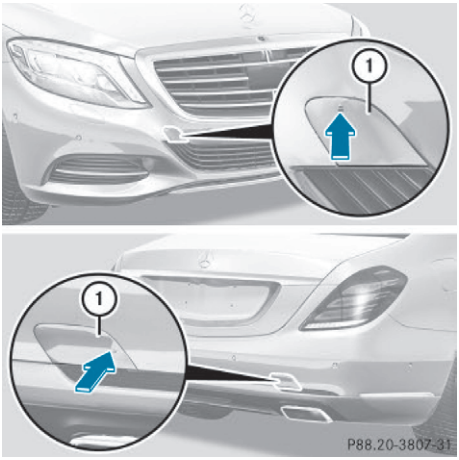
Hybrid vehicles and PLUG-IN HYBRID vehicles may not be towed away but must instead be transported, if:

- the multifunction display is not working or
- the Towing not permitted See Owner's Manual message appears in the multifunction display.

If the vehicle is in a dangerous location it may be towed from the danger zone with both axles on the ground. In this case, the towing distance may not be greater than 50 m and the towing speed must not exceed 10 km/h. For longer distances, have the vehicle loaded and transported.

Fitting/removing the towing eye

Fitting the towing eye



The mountings for the removable towing eyes are located in the bumpers. They are at the rear and at the front, under covers ①.

- ▶ Remove the towing eye from the vehicle tool kit/stowage tray (▷ page 408).
- ▶ Press the mark on cover ① inwards in the direction of the arrow.
- ▶ Remove cover ① from the opening.
- ▶ Screw in the towing eye clockwise as far as it will go and tighten it.

Vehicles with a trailer tow hitch only have a bracket at the front for the screw-in towing eye. Connect the towbar to the trailer tow hitch at the back (▷ page 286).

Removing the towing eye

- ▶ Loosen the towing eye and unscrew it.
- ▶ Attach cover ① to the bumper and press until it engages.
- ▶ Place the towing eye in the vehicle tool kit/stowage tray.

Towing the vehicle with both axles on the ground

It is important that you observe the safety instructions when towing away your vehicle (▷ page 421).

The automatic transmission automatically shifts to position **P** when you open the driver's or front-passenger door or when you remove the key from the ignition lock.

In order to ensure that the automatic transmission stays in position **N** when towing away the vehicle, you must observe the following points:

- You must use the key instead of the Start/Stop button (▷ page 175).
- Make sure that the vehicle is stationary and that the key is in position **0** in the ignition lock.
- Turn the key to position **2** in the ignition lock.
- Depress the brake pedal and keep it depressed.
- Shift the automatic transmission to position **N**.
- Release the brake pedal.
- Release the electric parking brake.
- Leave the key in position **2** in the ignition lock.
- Switch on the hazard warning lamps (▷ page 141).

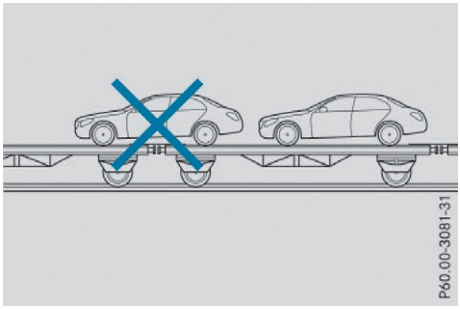
In order to signal a change of direction when towing the vehicle with the hazard warning lamps switched on, use the combination switch as usual. In this case, only the turn signals for the desired direction flash. When you reset the combination switch, the hazard warning lamps start flashing again.

Transporting the vehicle

Hybrid vehicles and PLUG-IN HYBRID vehicles

Transportation of the vehicle should only be carried out by professional recovery companies.

4MATIC vehicles/vehicles with automatic transmission



! When the vehicle is loaded for transport, the front and rear axles must be stationary and on the same transportation vehicle. Positioning over the connection point of the transport vehicle is not permitted. The drive train may otherwise be damaged.

All vehicles

! You may only secure the vehicle by the wheels, not by parts of the vehicle such as axle or steering components. Otherwise, the vehicle could be damaged.

The towing eyes or trailer tow hitch can be used to pull the vehicle onto a trailer or transporter if you wish to transport it.

- Turn the key to position **2** in the ignition lock.
- Shift the automatic transmission to position **N**.

As soon as the vehicle is loaded:

- Prevent the vehicle from rolling away by applying the electric parking brake.
- Shift the automatic transmission to position **P**.
- Turn the key to position **0**in the ignition lock and remove it.
- Secure the vehicle.

Notes for 4MATIC vehicles

! Vehicles with 4MATIC must not be towed with the front or rear axle raised; otherwise, the transmission may be damaged.

Vehicles with 4MATIC may either be towed away with both axles on the ground or be loaded up and transported.

If the vehicle has transmission damage or damage to the front or rear axle, have it transported on a transporter or trailer.

In the event of damage to the electrical system: if the battery is defective, the automatic transmission will be locked in position **P**. To shift the automatic transmission to position **N**, you must provide power to the vehicle's electrical system in the same way as when jump-starting (▷ page 417).

Have the vehicle transported on a transporter or trailer.

Tow-starting (emergency engine starting)

! Do not tow-start vehicles with automatic transmission. You could otherwise damage the automatic transmission.

i Information on "Jump-starting" (▷ page 417).

Electrical fuses

Important safety notes

⚠ **WARNING**

If you manipulate, bridge or replace a faulty fuse with a fuse of a higher amperage, the electric cables could be overloaded. This may result in a fire. There is a risk of an accident and injury.

Always replace faulty fuses with specified new fuses of the correct amperage.

Blown fuses must be replaced with fuses of the same rating, which you can recognise by the colour and fuse rating. The fuse ratings are listed in the fuse allocation chart.

The fuse allocation chart is on the fuse box in the boot (▷ page 424).

If the newly inserted fuse also blows, have the cause traced and rectified at a qualified specialist workshop, e.g. a Mercedes-Benz Service Centre.

! Only use fuses that have been approved for Mercedes-Benz vehicles and which have the correct fuse rating for the system concerned. Otherwise, components or systems could be damaged.

The fuses in your vehicle disconnect faulty circuits. If a fuse blows, all the components on the circuit and their functions will fail.

Before replacing a fuse

- ▶ Switch off the engine.
- ▶ Switch off all electrical consumers.
- ▶ Make sure that the ignition is switched off (▷ page 175).

or

- ▶ When using the key, turn the key to position **0** in the ignition lock and remove it (▷ page 175).
- ▶ Safeguard the vehicle against rolling away (▷ page 205).

All indicator lamps in the instrument cluster must be off.

The fuses are located in various fuse boxes:

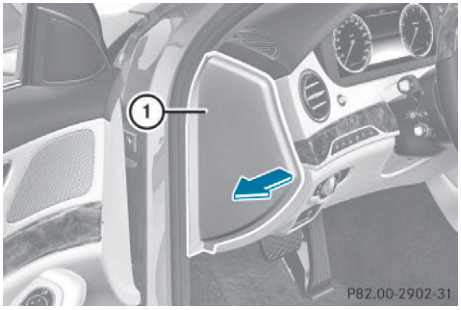
- fuse box on the driver's side of the dashboard
- fuse box in the front-passenger footwell
- fuse box in the engine compartment on the left-hand side of the vehicle, when viewed in the direction of travel
- fuse box in the boot

Dashboard fuse box

! Do not use a pointed object such as a screwdriver to open the cover in the dashboard. You could damage the dashboard or the cover.

! Make sure that no moisture can enter the fuse box when the cover is open.

! When closing the cover, make sure that it is lying correctly on the fuse box. Moisture seeping in or dirt could otherwise impair the operation of the fuses.

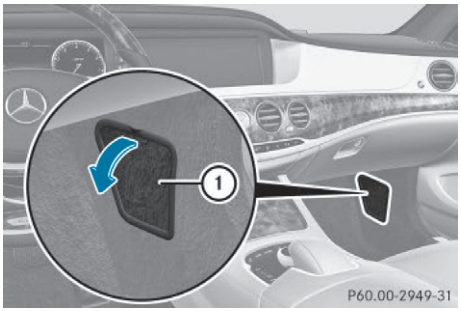


- Open the driver's door.
- **To open:** pull cover ① outwards in the direction of the arrow and remove it.
- **To close:** clip in cover ① on the front of the dashboard.
- Fold cover ① inwards until it engages.

Fuse box in the front-passenger footwell

! Make sure that no moisture can enter the fuse box when the cover is open.

! When closing the cover, make sure that it is lying correctly on the fuse box. Moisture seeping in or dirt could otherwise impair the operation of the fuses.



- Open the front-passenger door.
- Fold cover ① down and remove it.

Fuse box in the engine compartment

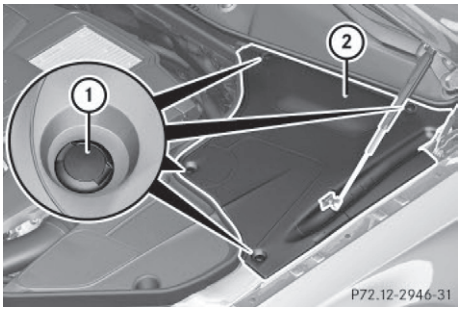
⚠ WARNING

When the bonnet is open, and the windscreen wipers are set in motion, you can be injured by the wiper linkage. There is a risk of injury.

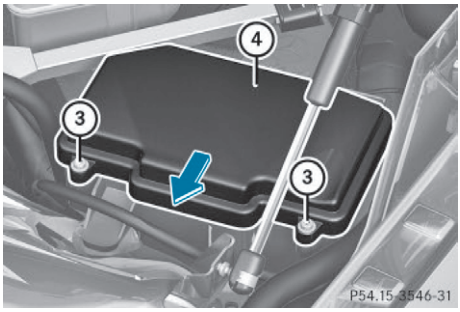
Always switch off the windscreen wipers and the ignition before opening the bonnet.

! Make sure that no moisture can enter the fuse box when the cover is open.

! When closing the cover, make sure that it is lying correctly on the fuse box. Moisture seeping in or dirt could otherwise impair the operation of the fuses.



- Open the bonnet (▷ page 393).
- **To open:** release retaining clamps ① and remove cover ②.



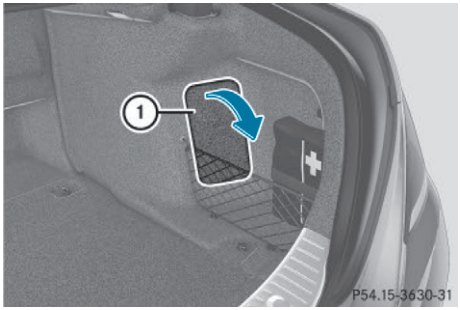
- Remove any existing moisture from the fuse box using a dry cloth.
- Undo screws ③ on the fuse box.
- Remove fuse box cover ④ forwards.
- **To close:** check whether the seal is lying correctly in cover ④.

- ▶ Insert cover ④ at the rear of the fuse box into the retainer.
- ▶ Fold down cover ④ of the fuse box and tighten screws ③.
- ▶ Insert cover ② and secure with retaining clamps ①.
- ▶ Close the bonnet.

Fuse box in the boot

❗ Make sure that no moisture can enter the fuse box when the cover is open.

❗ When closing the cover, make sure that it is lying correctly on the fuse box. Moisture seeping in or dirt could otherwise impair the operation of the fuses.



Fuse box cover (example: Mercedes-Maybach)

- ▶ Open the boot lid.
- ▶ Prise open cover ① with a flat object at the top right and top left-hand side.
- ▶ Open cover ① downwards in the direction of the arrow.

ⓘ The fuse allocation chart is in a recess on the side of the fuse box. You can find the corresponding fuse rating and fuse type on the fuse allocation chart.

Useful information

ⓘ This Owner's Manual describes all models, series and optional equipment for your vehicle that were available at the time of going to press. National variations are possible. Note that your vehicle may not be equipped with all of the functions described. This is also the case for systems and functions relevant to safety.

ⓘ Read the information on qualified specialist workshops: (▷ page 30).

Important safety notes

⚠ **WARNING**

If wheels and tyres of the wrong size are used, the wheel brakes or suspension components may be damaged. There is a risk of an accident.

Always replace wheels and tyres with those that fulfil the specifications of the original part.

When replacing wheels, make sure to fit the correct:

- designation
- type

When replacing tyres, make sure to fit the correct:

- designation
- manufacturer
- type

⚠ **WARNING**

A flat tyre severely impairs the driving, steering and braking characteristics of the vehicle. There is a risk of accident.

Tyres without run-flat characteristics:

- do not drive with a flat tyre.
- immediately replace the flat tyre with your emergency spare wheel or spare wheel, or consult a qualified specialist workshop.

Tyres with run-flat characteristics:

- pay attention to the information and warning notices on MOExtended tyres (tyres with run-flat characteristics).

Accessories that are not approved for your vehicle by Mercedes-Benz or are not being 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

Information on the sizes and types of wheels and tyres for your vehicle can be found under "Wheel/tyre combinations" (▷ page 441).

Information on tyre pressure can be found:

- in the tyre pressure table in the fuel filler flap (▷ page 191)
- under "Tyre pressure" (▷ page 430)

Modification work on the brake system and wheels is not permitted. The use of spacers or brake dust shields is not permitted. This invalidates the general operating permit for the vehicle.

ⓘ Further information on wheels and tyres can be obtained at any qualified specialist workshop.

Operation

Information on driving

Check the tyre pressures when the vehicle is heavily laden and adjust prior to a trip.

While driving, pay attention to vibrations, noises and unusual handling characteristics, e.g. pulling to one side. This may indicate that the wheels or tyres are damaged. If you suspect that a tyre is defective, reduce your speed immediately. Stop the vehicle as soon as possible to check the wheels and tyres for damage. Hidden tyre damage could also be causing the unusual handling characteristics. If you find no signs of damage, have the tyres and wheels checked at a qualified specialist workshop.

When parking your vehicle, make sure not to squash the tyre sidewalls. If this cannot be avoided, drive slowly over obstacles, e.g. kerbs, and

only at an obtuse angle. You could otherwise damage the wheel rims and tyres.

Regular checking of wheels and tyres

⚠ WARNING

Damaged tyres can cause tyre inflation pressure loss. As a result, you could lose control of your vehicle. There is a risk of accident.

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

Check wheels and tyres for damage at least once a month. Check wheels and tyres after driving off-road or on rough roads. Damaged wheels can cause a loss of tyre pressure. Pay particular attention to damage such as:

- cuts in the tyres
- punctures
- tears in the tyres
- bulges on the tyres
- deformation or severe corrosion on wheels

Regularly check the tyre tread depth and the condition of the tread across the whole width of the tyre (▷ page 428). If necessary, turn the front wheels to full lock in order to inspect the inner side of the tyre surface.

All wheels must have a valve cap to protect the valve against dirt and moisture. Do not fit anything onto the valve other than the standard valve cap or other valve caps approved for your vehicle by Mercedes-Benz. Do not fit any other valve caps or systems, e.g. tyre pressure monitoring systems.

Regularly check the pressure of all the tyres, particularly prior to long trips. Adjust the tyre pressure as necessary (▷ page 430).

Observe the notes on the emergency spare wheel (▷ page 461).

The service life of tyres depends on various factors, including the following:

- driving style
- tyre pressure
- mileage

Notes on the tyre tread

⚠ WARNING

Insufficient tyre tread will reduce tyre traction. The tyre is no longer able to dissipate water. This means that on wet road surfaces, the risk of aquaplaning increases, in particular where speed is not adapted to suit the driving conditions. There is a risk of accident.

If the tyre pressure is too high or too low, tyres may exhibit different levels of wear at different locations on the tyre tread. Thus, you should regularly check the tread depth and the condition of the tread across the entire width of all tyres.

Minimum tyre 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 tyre tread depth is reached.

Selecting, fitting and replacing tyres

⚠ WARNING

Exceeding the stated tyre load-bearing capacity and the approved maximum speed could lead to tyre damage or the tyre bursting. There is a risk of accident.

Therefore, only use tyre types and sizes approved for your vehicle model. Observe the tyre load rating and speed rating required for your vehicle.

Pay special attention to country-specific requirements for tyre approval. These requirements can stipulate 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. You can find further information regarding tyres at specialist tyre retailers, at qualified specialist workshops or at any Mercedes-Benz Service Centre.

- Only fit tyres and wheels of the same type and make.

  Exception: it is permissible to fit a different type or make in the event of a flat tyre.

Observe the "MOExtended tyres (tyres with run-flat characteristics)" section (▷ page 410).

- Only fit tyres of the correct size onto the wheels.
- Run in new tyres at moderate speeds for the first 100 km. They only reach their full performance after this distance.
- Do not drive with tyres which have too little tread depth. This otherwise significantly reduces the traction on wet roads (aquaplaning).
- Replace the tyres after six years at the latest, regardless of wear.

Observe the notes on the emergency spare wheel (▷ page 461).

MOExtended tyres (tyres with run-flat characteristics)

With MOExtended tyres (tyres with run-flat characteristics), you can continue to drive your vehicle even if there is a total loss of pressure in one or more tyres.

MOExtended tyres may only be used in conjunction with an activated tyre pressure loss warning system or with an activated tyre pressure monitor and on wheels specifically tested by Mercedes-Benz.

Notes on driving with MOExtended tyres with a flat tyre (▷ page 410).

Vehicles with MOExtended tyres are not equipped with a TIREFIT kit at the factory. It is therefore recommended that you additionally equip your vehicle with a TIREFIT kit if you fit tyres that do not feature run-flat characteristics, e.g. winter tyres. A TIREFIT kit can be obtained from a qualified specialist workshop.

Winter operation

General notes

Have your vehicle winterproofed at a qualified specialist workshop at the onset of winter.

Observe the notes in the "Changing a wheel" section (▷ page 436).

Driving with summer tyres

At temperatures below +7 °C, summer tyres lose elasticity and therefore traction and braking power. Change the tyres on your vehicle to M+S tyres. Using summer tyres at very cold temperatures could cause tears to form, thereby damaging the tyres permanently. Mercedes-Benz cannot accept responsibility for this type of damage.

⚠ WARNING

Damaged tyres can cause tyre inflation pressure loss. As a result, you could lose control of your vehicle. There is a risk of accident.

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

M+S tyres

⚠ WARNING

M+S tyres with a tyre tread depth of less than 4 mm are not suitable for use in winter as they do not provide sufficient traction. There is a risk of accident.

M+S tyres with a tread depth of less than 4 mm must be replaced.

At temperatures below +7 °C, use winter tyres or all-season tyres. Both are marked with M+S.

Only winter tyres bearing the snowflake symbol in addition to the M+S marking provide the best possible grip in wintry road conditions. Only these tyres will allow driving safety systems such as ABS and ESP® to function optimally in winter. These tyres have been developed specifically for driving in snow.

Use M+S tyres of the same make and tread on all wheels to maintain safe handling characteristics.

Always observe the maximum permissible speed specified for the M+S tyres you have fitted.

If you fit M+S tyres that have a lower maximum permissible speed than that of the vehicle, affix an appropriate warning label in the driver's field of vision. This can be obtained at a qualified specialist workshop.

Under these circumstances, you should also restrict the maximum design speed of the vehi-

cle using permanent SPEEDTRONIC so that it does not exceed the maximum permissible speed for the M+S tyres (▷ page 216).

If you have fitted M+S tyres:

- ▶ Check the tyre pressures (▷ page 430).
- ▶ Restart the tyre pressure loss warning system (▷ page 435).
- ▶ Restart the tyre pressure monitor (▷ page 433).

Information on driving with an emergency spare wheel (▷ page 461).

Snow chains

⚠ WARNING

If you have fitted snow chains to the front wheels, they may scrape against the vehicle body or chassis components. This could cause damage to the vehicle or the tyres. There is a risk of an accident.

To avoid hazardous situations:

- never fit snow chains on the front wheels
- fit snow chains to the rear wheels in pairs.

For safety reasons, Mercedes-Benz recommends that you only use snow chains that have been specifically approved for your vehicle by Mercedes-Benz, or that are of a corresponding standard of quality.

If you intend to fit snow chains, please bear the following points in mind:

- snow chains cannot be fitted to all wheel-tyre combinations. Permissible wheel-tyre combinations (▷ page 441).
- only use snow chains if the road surface is completely snow-covered. Remove the snow chains as soon as possible when you come to a road that is not snow-covered.
- local regulations may restrict the use of snow chains. Observe the appropriate regulations if you wish to fit snow chains.
- do not exceed the maximum permissible speed of 50 km/h.
- if snow chains have been fitted on vehicles with AIRMATIC (▷ page 229) or Magic Body Control (MBC) (▷ page 227), you must drive at raised vehicle level.
- when snow chains are fitted, never use Active Parking Assist (▷ page 234).

You may wish to deactivate ESP® (▷ page 80) when pulling away with snow chains fitted . This way you can allow the wheels to spin in a controlled manner, achieving increased driving force (cutting action).

Information about driving with an emergency spare wheel (▷ page 461).

Tyre pressure

Tyre pressure specifications

⚠ WARNING

Underinflated or overinflated tyres pose the following risks:

- the tyres may burst, especially as the load and vehicle speed increase.
- the tyres may wear excessively and/or unevenly, which may greatly impair tyre traction.
- the driving characteristics, as well as steering and braking, may be greatly impaired.

There is a risk of an accident.

Observe the recommended tyre pressure and check the tyre pressure of all the tyres including the spare wheel:

- at least every two weeks
- when the load changes
- before embarking on a longer journey
- for changed operating conditions, e.g. off-road driving

If necessary, correct the tyre pressure.

⚠ WARNING

If you fit unsuitable accessories onto tyre valves, the tyre valves may be overloaded and malfunction, which can cause tyre pressure loss. Due to their design, retrofitted tyre pressure monitors keep the tyre valve open. This can also result in tyre pressure loss. There is a risk of accident.

Only screw standard valve caps or valve caps specifically provided by Mercedes-Benz for your vehicle onto the tyre valve.

⚠ WARNING

If the tyre pressure drops repeatedly, the wheel, valve or tyre may be damaged. Tyre pressure that is too low may result in a tyre blow-out. There is a risk of accident.

- Check the tyre for foreign objects.
- Check whether the wheel is losing air or the valve is leaking.

If you are unable to rectify the damage, contact a qualified specialist workshop.

Environmental note

Check the tyre pressure regularly, at least every 14 days.

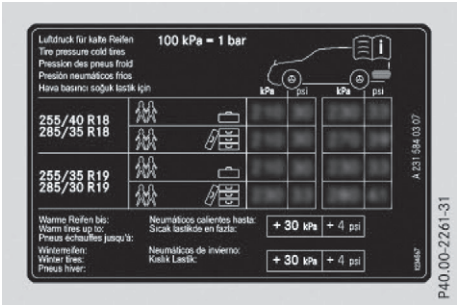
The recommended tyre pressures for various operating conditions can be found in the tyre pressure table on the fuel filler flap (▷ page 191).

Operation with an emergency spare wheel: information on operation with an emergency spare wheel can be found in the general notes in the "Emergency spare wheel" section (▷ page 462).

Operation with a trailer: the applicable value for the rear axle is the maximum tyre pressure value stated in the table inside the fuel filler flap.

Additionally, the tyre pressure table may also state tyre pressures for different load conditions. These are defined in the table as different numbers of passengers and amounts of luggage. The actual number of seats may vary; for more information, please refer to the vehicle's registration documents.

If tyre sizes are not specified, the tyre pressures stated on the tyre pressure table apply for all tyres approved for this vehicle.



If a tyre size precedes a tyre pressure, the following tyre pressure information is only valid for that tyre size.

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. On vehicles fitted with the electronic tyre pressure monitor, the tyre pressure can be checked using the on-board computer.

If possible, only correct tyre pressures when the tyres are cold.

The tyres are cold:

- if the vehicle has been parked with the tyres out of direct sunlight for at least three hours and
- if the vehicle has not been driven further than 1.6 km.

Depending on the ambient temperature, the vehicle speed and the load on the tyres, the tyre temperature and thus the tyre pressure changes by approximately 10 kPa (0.1 bar/1.5 psi) per 10 °C. Take this into account when checking the pressure of warm tyres. Only correct the tyre pressure if it is too low for the current operating conditions.

Driving with tyre pressure that is too high or too low can:

- shorten the service life of the tyres
- cause increased tyre damage
- have a negative effect on handling characteristics and thus driving safety (e.g. aquaplaning).

The tyre pressure values given for low loads are minimum values which offer you good ride comfort characteristics.

However, you can also use the values given for higher loads. These are permissible and will not adversely affect the running of the vehicle.

The values in the tyre pressure table in the fuel filler flap for the vehicle in "partially laden" and

"fully laden" conditions apply when driving at maximum speed.

Despite the values stated on the tyre pressure information label, for the vehicle with **"partially laden up to 210km/h"** status, the values can be reduced as follows, without compromising safety:

- -20 kPa (-0.2 bar/-3 psi) for all models

This does not apply to vehicles towing a trailer.

This improves the ride comfort of your vehicle; however, fuel consumption may increase slightly.

Tyre pressure monitor

General notes

If a tyre pressure monitor system is fitted, the vehicle's wheels have sensors fitted that monitor the tyre pressures in all four tyres. The tyre pressure monitor warns you if the pressure drops in one or more of the tyres. The tyre pressure monitor only functions if the corresponding sensors are fitted to all wheels.

Information on tyre pressures is shown in the multifunction display. After a few minutes of driving, the current tyre pressure of each tyre is shown in the Service menu of the multifunction display; see illustration (example).



P54.33-2937-31

For further information on displaying this message, refer to the "Checking the tyre pressure electronically" section (▷ page 433).

Important safety notes

It is the driver's responsibility to set the tyre pressure to the recommended cold tyre pressure suitable for the operating situation (▷ page 430). Note that the correct tyre pressure for the current operating situation must first be taught-in to the tyre pressure monitor. If there is a substantial loss of pressure, the warning threshold for the warning message is aligned to the reference values taught-in. Restart the tyre pressure monitor after adjusting to the cold tyre pressure (▷ page 433). The current pressures are saved as new reference values. This will ensure that a warning message will only appear if the tyre pressure drops significantly.

The tyre pressure monitor does not warn you of an incorrectly set tyre pressure. Observe the notes on the recommended tyre pressure (▷ page 430).

The tyre pressure monitor is not able to warn you of a sudden loss of pressure, e.g. if the tyre is penetrated by a foreign object. In the event of a sudden loss of pressure, bring the vehicle to a halt by braking carefully. Avoid abrupt steering manoeuvres.

The tyre pressure monitor has a yellow warning lamp in the instrument cluster for indicating a pressure loss or malfunction. Depending on how the warning lamp flashes or lights up, a tyre pressure that is too low or a malfunction in the tyre pressure monitor is indicated:

- if the warning lamp is lit continuously, the tyre pressure on one or more tyres is significantly too low. The tyre pressure monitor is not malfunctioning.
- if the warning lamp flashes for around a minute and then remains lit constantly, the tyre pressure monitor is malfunctioning.

In addition to the warning lamp, a message appears in the multifunction display. Observe the information on display messages (▷ page 344).

It may take up to ten minutes for a malfunction of the tyre pressure monitor to be indicated. A malfunction will be indicated by the tyre pressure warning lamp flashing for approximately one minute and then remaining lit. When the fault has been rectified, the tyre pressure warning lamp goes out after you have driven for a few minutes.

The tyre pressure values indicated by the on-board computer may differ from those measured at a filling station using a pressure gauge. The tyre pressures shown by the on-board computer refer to those measured at sea level. At high altitudes, 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 pressures.

The operation of the tyre pressure monitor can be affected by interference from radio transmitting equipment (e.g. radio headphones, two-way

radios) that may be being operated in or near the vehicle.

Checking the tyre pressure electronically

- ▶ Make sure that the key is in position **2** in the ignition lock (▷ page 175).
- ▶ Press the ⌂ button on the steering wheel to call up the list of menus.
- ▶ Press ▲ or ▼ on the steering wheel to select the Service menu.
- ▶ Press the OK button.
- ▶ Select Tyre pressure with ▲ or ▼.
- ▶ Press the OK button.
  The current tyre pressure for each wheel will be displayed in the multifunction display.

If the vehicle was parked for longer than 20 minutes, the following message appears: Tyre pressures will be displayed after a few minutes of driving.

After a teach-in period, the tyre pressure monitor automatically detects new wheels or new sensors. As long as a clear allocation of the tyre pressure values to the individual wheels is not possible, the Tyre pressure monitor active message is shown instead of the tyre pressure display. The tyre pressures are already being monitored.

If an emergency spare wheel is fitted, for a few minutes the system may continue to show the tyre pressure of the wheel that has been removed. If this occurs, note that the value displayed for the position where the spare wheel is fitted is not the same as the current tyre pressure of the emergency spare wheel.

Warning messages of the tyre pressure monitor

If the tyre pressure monitor detects a pressure loss in one or more tyres, a warning message is shown in the multifunction display. The yellow tyre pressure warning lamp then lights up.

- If the Please correct tyre pressure message appears in the multifunction display, the tyre pressure in at least one tyre is too low. The tyre pressure must be corrected when the opportunity arises.
- If the Check tyre(s) message appears in the multifunction display, the tyre pressure in at least one tyre has dropped significantly. The tyres must be checked.
- If the Warning tyre defect message appears in the multifunction display, the tyre pressure in at least one tyre has dropped suddenly. The tyres must be checked.

Observe the instructions and safety notes in the display messages in the "Tyres" section (▷ page 344).

If the wheel positions on the vehicle are interchanged, the tyre pressures may be displayed for the wrong positions for a short time. After a few minutes of driving, this is rectified and the tyre pressures are displayed for the correct positions.

Restarting the tyre pressure monitor

When you restart the tyre pressure monitor, all existing warning messages are deleted and the warning lamps go out. The monitor uses the currently set tyre pressures as the reference values for monitoring. In most cases, the tyre pressure monitor will automatically detect the new reference values after you have changed the tyre pressure. However, you can also set reference values manually as described here. The tyre pressure monitor then monitors the new tyre pressure values.

- ▶ Use the table on the inside of the fuel filler flap to ensure that the tyre pressure is set correctly in all four tyres for the current operating conditions.
  Also observe the notes in the section on tyre pressures (▷ page 430).
- ▶ Make sure that the key is in position **2** in the ignition lock.
- ▶ Press the ⌂ button on the steering wheel to call up the list of menus.
- ▶ Press ▲ or ▼ on the steering wheel to select the Service menu.
- ▶ Press the OK button.
- ▶ Select Tyre pressure with ▲ or ▼.
- ▶ Press the OK button.
  The current tyre pressure for each wheel or the Tyre pressures will be displayed after a few minutes of driving mes-

sage will be displayed in the multifunction display.

▶ Press the ▼ button.
The Use current pressures as new reference values message appears in the multifunction display.

If you wish to confirm the restart:

▶ Press the OK button.
The Tyre press. monitor restarted message appears in the multifunction display.
After you have driven for a few minutes, the system checks whether the current tyre pressures are within the specified range. The new tyre pressures are then accepted as reference values and monitored.

If you wish to cancel the restart:

▶ Press the ⮌ button.
The tyre pressure values stored at the last restart will continue to be monitored.

Radio type approval for the tyre pressure monitor

Country	Radio type approval number
Argentina	MW2433A H-12337 GG4 H-12338
Brazil	2770-12-8001 Model: MW2433A 0381-13-8001 Model: GG4
Abu Dhabi Dubai	TRA, Registered NO ER0092100/12 TRA, Registered NO ER0099792/12 TRA, Registered NO ER0076990/11 Dealer NO: DA0047074/10
Jordan	Model: Gen Alpha Wal 2 TPMS transmitter Type Approval Number: TRC/LPD/2012/114 Model: Gen Gamma Gen 4 433.92 Mhz. Type Approval Number: TRC/LPD/2012/190 Model: Corax 3 MRXMC34MA4 Type Approval Number: TRC/LPD/2011/158 Type Number: LPD
Morocco	MR7319 ANRT 2012/11/07/2012 MR7672 ANRT 2012/23/11/2012 MR6706 ANRT 2011
Moldova	1024
Philippines	No: ESD-1206394C No: ESD-1306871C
Serbia	И 011 12
Singapore	Compliance with IDA Standard DA- 103365
South Africa	TA-2012/719 TA-2012/1540 TA-2011/1370

Tyre pressure loss warning system

General notes

While the vehicle is in motion, the tyre pressure loss warning system monitors the set tyre pressure using the rotational speed of the wheels. This enables the system to detect significant pressure loss in a tyre. If the speed of rotation of a wheel changes as a result of a loss of pressure, a corresponding warning message will appear in the multifunction display.

You can recognise the tyre pressure loss warning by the Run Flat Indicator active Restart with OK message which appears in the Service menu of the multifunction display. Information on the message display can be

found in the "Restarting the tyre pressure loss warning system" section (▷ page 435).

Important safety notes

The tyre pressure warning system does not warn you of an incorrectly set tyre pressure. Observe the notes on the recommended tyre pressure (▷ page 430).

The tyre pressure loss warning does not replace the need to regularly check the tyre pressures. An even loss of pressure on several tyres at the same time cannot be detected by the tyre pressure loss warning system.

The tyre pressure monitor is not able to warn you of a sudden loss of pressure, e.g. if the tyre is penetrated by a foreign object. In the event of a sudden loss of pressure, bring the vehicle to a halt by braking carefully. Avoid abrupt steering manoeuvres.

The function of the tyre pressure loss warning system is limited or delayed if:

- snow chains are fitted to your vehicle's tyres.
- road conditions are wintry.
- you are driving on sand or gravel.
- you adopt a very sporty driving style (cornering at high speeds or driving with high rates of acceleration).
- you are towing a very heavy or large trailer.
- you are driving with a heavy load (in the vehicle or on the roof).

Restarting the tyre pressure loss warning system

Restart the tyre pressure loss warning system if you have:

- changed the tyre pressure
- changed the wheels or tyres
- fitted new wheels or tyres

▶ Before restarting, make sure that the tyre pressures are set properly on all four tyres for the respective operating conditions. The recommended tyre pressures can be found in the tyre pressure table on the fuel filler flap.

The tyre pressure loss warning system can only give reliable warnings if you have set the correct tyre pressure. If an incorrect tyre pressure is set, these incorrect values will be monitored.

▶ Observe the notes in the section on tyre pressures (▷ page 430).

▶ Make sure that the key is in position **2** in the ignition lock (▷ page 175).

▶ Press the ⌂ button on the steering wheel to call up the list of menus.

▶ Press ▲ or ▼ on the steering wheel to select the Service menu.

▶ Press the OK button.

▶ Select Tyre pressure with ▲ or ▼.

▶ Press the OK button.
The Run Flat Indicator active Restart with OK message appears in the multifunction display.

If you wish to confirm the restart:

▶ Press the OK button.
The Tyre pressure now OK? message appears in the multifunction display.

▶ Select Yes with ▲ or ▼.

▶ Press the OK button.
The Run Flat Indicator restarted message appears in the multifunction display.

After a teach-in period, the tyre pressure loss warning system will monitor the set tyre pressures of all four tyres.

If you wish to cancel the restart:

▶ Press the ⮌ button.

or

▶ If the Tyre pressure now OK? message appears, press ▲ or ▼ to select Cancel.

▶ Press the OK button.
The tyre pressure values stored at the last restart will continue to be monitored.

Changing a wheel

Flat tyre

You can find information on what to do in the event of a flat tyre in the "Breakdown assistance" section (▷ page 409). Information on driving with MOExtended tyres in the event of a flat tyre can be found under "Breakdown assistance" (▷ page 410).

Interchanging the wheels

⚠ **WARNING**

Interchanging the front and rear wheels may severely impair the driving characteristics if the wheels or tyres have different dimensions. The wheel brakes or suspension components may also be damaged. There is a risk of accident.

Interchange front and rear wheels only if the wheels and tyres are of the same dimensions.

! On vehicles fitted with a tyre pressure monitor, electronic components are located in the wheel.

Tyre-fitting tools should not be applied in the area of the valve, as this could damage the electronic components.

Only have tyres changed at a qualified specialist workshop.

Interchanging the front and rear wheels of differing dimensions can render the general operating permit invalid.

Observe the instructions and safety notes in the "Fitting a wheel" section (▷ page 436).

The wear patterns on the front and rear tyres differ depending on the operating conditions. Interchange the wheels before a clear wear pattern has formed on the tyres. Front tyres typically wear more on the shoulders and the rear tyres in the centre.

On vehicles that have the same size front and rear wheels, you can interchange the wheels every 5,000 to 10,000 km depending on the degree of tyre wear. Ensure the direction of rotation is maintained.

Clean the contact surfaces of the wheel and the brake disc thoroughly every time a wheel is interchanged. Check the tyre pressure and, if necessary, restart the tyre pressure loss warning system (▷ page 435) or the tyre pressure monitor (▷ page 433) .

Direction of rotation

Tyres with a specified direction of rotation have additional benefits, e.g. if there is a risk of aquaplaning. These advantages can only be gained if the tyres are fitted corresponding to the direction of rotation.

An arrow on the sidewall of the tyre indicates its correct direction of rotation.

Storing wheels

Store wheels in a cool, dry and preferably dark place if they are not being used. Protect the tyres against oil, grease, petrol and diesel.

Fitting a wheel

Preparing the vehicle

- ▶ Stop the vehicle on solid, non-slippery and level ground.
- ▶ Apply the electric parking brake manually.
- ▶ Move the front wheels to the straight-ahead position.
- ▶ Shift the transmission to position **P**.
- ▶ Make sure that "normal" level is selected for AIRMATIC (▷ page 229) or Active Body Control (ABC) (▷ page 228).
- ▶ Switch off the engine.
- ▶ Open the driver's door.
  The on-board electronics now have status **0**. This is the same as the key having been removed.
- ▶ Remove the Start/Stop button from the ignition lock (▷ page 175).

or, if the key is inserted in the ignition lock:

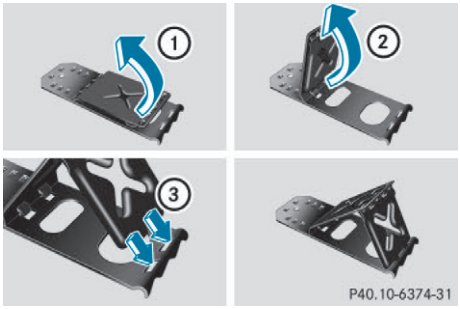
- ▶ Remove the key from the ignition lock.
- ▶ If included in the vehicle equipment, remove the tyre-change tool kit from the vehicle.
- ▶ Safeguard the vehicle against rolling away.

ⓘ Apart from some country-specific variants, vehicles are not equipped with tyre-changing tools. Some tools for changing a wheel are specific to the vehicle. For more information on which tools are required to perform a wheel change on your vehicle, consult a qualified specialist workshop.

Necessary tyre-changing tools may include, for example:

- Jack
- Wheel chock
- Wheel wrench
- Centring pin

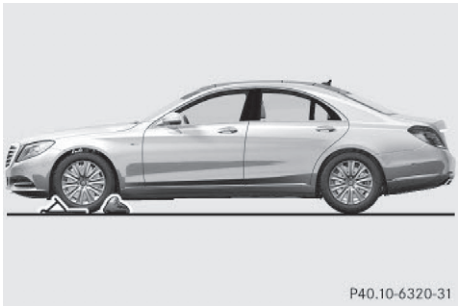
Securing the vehicle against rolling away



If your vehicle is equipped with a wheel chock, it can be found in the tyre-change tool kit (▷ page 408).

The folding wheel chock is an additional securing measure to safeguard the vehicle from rolling away, for example when changing a wheel.

- ▶ Fold both plates upwards ①.
- ▶ Fold out lower plate ②.
- ▶ Insert the lugs on the lower plate fully into the openings in base plate ③.



- ▶ Place chocks or other suitable items under the front and rear of the wheel that is diagonally opposite the wheel you wish to change.

Raising the vehicle

⚠ WARNING

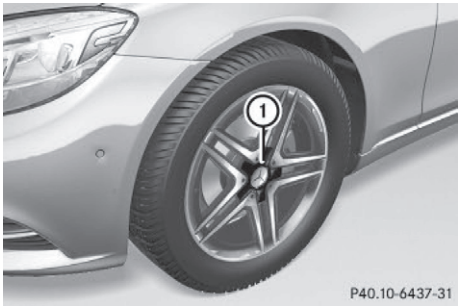
If you do not position the jack correctly at the appropriate jacking point of the vehicle, the jack could tip over with the vehicle raised. There is a risk of injury.

Only position the jack at the appropriate jacking point of the vehicle. The base of the jack must be positioned vertically, directly under the jacking point of the vehicle.

Observe the following when raising the vehicle:

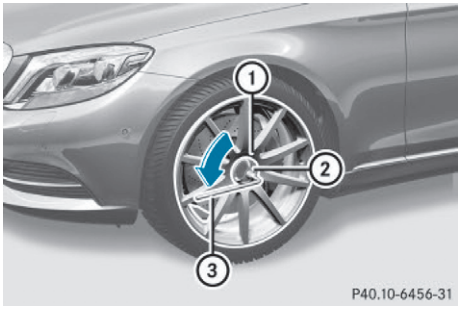
- only use the vehicle-specific jack that has been tested and approved by Mercedes-Benz to raise the vehicle. If the jack is used incorrectly, it could tip over while the vehicle is raised.
- the jack is designed only to raise and hold the vehicle for a short time while a wheel is being changed. It is not permissible to use it to perform maintenance work under the vehicle.
- avoid changing the wheel on uphill and downhill slopes.
- before raising the vehicle, safeguard it from rolling away by applying the parking brake and positioning wheel chocks. Do not release the parking brake while the vehicle is raised.
- the jack must be placed on a firm, flat and non-slip surface. On a loose surface, a large, flat load-bearing underlay must be used. On a slippery surface, a non-slip underlay must be used, e.g. rubber mats.
- do not use wooden blocks or similar objects as a jack underlay. Otherwise, the jack will not be able to achieve its load-bearing capacity due to the restricted height.
- make sure that the distance between the underside of the tyres and the ground does not exceed 3 cm.
- never place your hands or feet under the raised vehicle.
- do not lie under the vehicle.
- do not start the engine when the vehicle is raised.
- do not open or close a door or the boot lid when the vehicle is raised.
- make sure that no persons are present in the vehicle when the vehicle is raised.

Vehicles with AMG wheels and hub caps: the hub cap covers the wheel bolts. Before you can unscrew the wheel bolts, you must remove the hub cap. Two different variants can be fitted.



Vehicles with AMG wheels and plastic hub caps:

- **To remove:** turn the centre cover of hub cap ① anti-clockwise and remove.
- **To fit:** before fitting, ensure that hub cap ① is in the open position. To do this, turn the centre cover anti-clockwise.
- Position hub cap ① and turn the centre cover clockwise until hub cap ① engages physically and audibly.
- Make sure that hub cap ① is fitted securely.

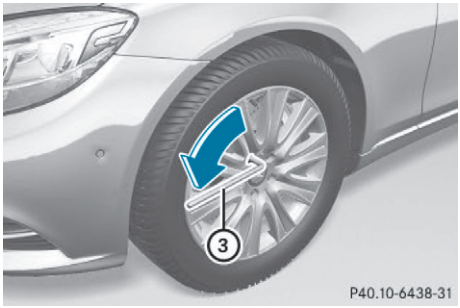


Vehicles with AMG wheels and aluminium hub caps:

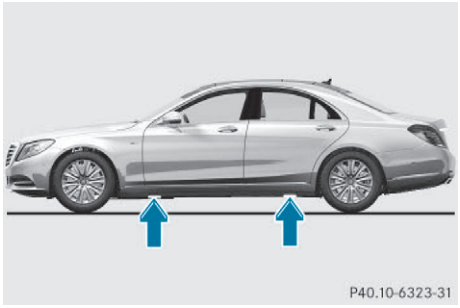
- **To remove:** take socket ② and wheel wrench ③ from the vehicle tool kit (▷ page 408).
- Position socket ② on hub cap ①.
- Position wheel wrench ③ on socket ②.
- Using wheel wrench ③, turn hub cap ① anti-clockwise and remove it.
- **To fit:** before fitting, check hub cap ① and the wheel area for dirt and clean if necessary.
- Put hub cap ① in position and turn until it is in the right position.
- Position socket ② on hub cap ①.
- Attach wheel wrench ③ to socket ② and tighten hub cap ①.

The tightening torque must be **25 Nm**.

Note that the hub cap should be tightened to the specified torque of **25 Nm**. Mercedes-Benz recommends that you have the hub cap fitted at a qualified specialist workshop.



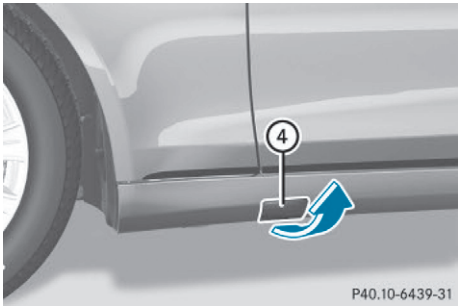
- Using wheel wrench ③, loosen the bolts on the wheel you wish to change by about one full turn. Do not unscrew the bolts completely.



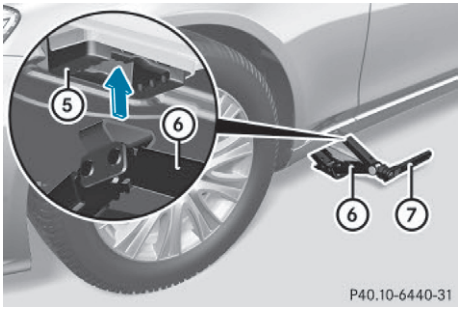
The jacking points are located just behind the front wheel arches and just in front of the rear wheel arches (arrows).

- Take the ratchet ring spanner out of the vehicle tool kit and place it on the hexagon nut of the jack so that the letters **AUF** are visible.

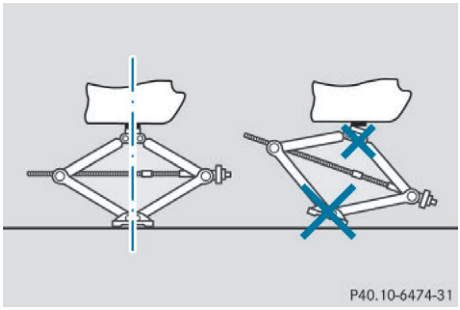
Mercedes-AMG vehicles and vehicles with AMG equipment: to protect the vehicle body, the vehicle has covers fitted next to the jacking points on the outer sills.



▶ **Mercedes-AMG vehicles and vehicles with AMG equipment:** fold cover ④ upwards.



▶ Position jack ⑥ at jacking point ⑤.



▶ Make sure that the base of the jack is positioned vertically under the jacking point.

▶ Turn ratchet ring spanner ⑦ until jack ⑥ sits completely on jacking point ⑤ and the base of the jack lies evenly on the ground.

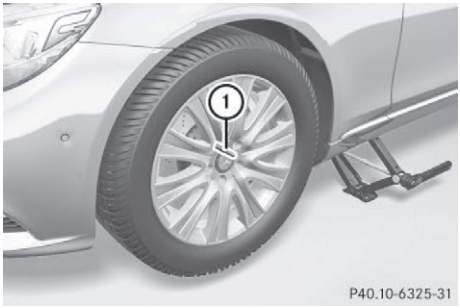
▶ Turn ratchet ring spanner ⑦ until the tyre is raised a maximum of 3 cm from the ground.

Removing a wheel

Mercedes AMG vehicles: when removing and fitting a wheel, the wheel rim may strike the ceramic brake disc and damage it. Therefore, take precautions and have a second person assist you. Alternatively, you can use a second centring pin.

Do not place wheel bolts in sand or dirt. The threads of the wheel bolts and wheel hubs could otherwise be damaged when the bolts are tightened.

When fitting/removing wheels, and for as long as the wheels are removed, avoid applying any external force on the brake discs. This could impair the level of comfort when braking.



▶ Unscrew the uppermost wheel bolt completely.

▶ Screw centring pin ① into the thread instead of the wheel bolt.

▶ Unscrew the remaining wheel bolts fully.

▶ Remove the wheel.

Fitting a new wheel

WARNING

Oiled or greased wheel bolts or damaged wheel bolts/hub threads can cause the wheel bolts to come loose. As a result, you could lose a wheel while driving. There is a risk of accident.

Never oil or grease wheel bolts. In the event of damage to the threads, contact a qualified specialist workshop immediately. Have the damaged wheel bolts or hub threads replaced/renewed. Do not continue driving.

⚠ WARNING

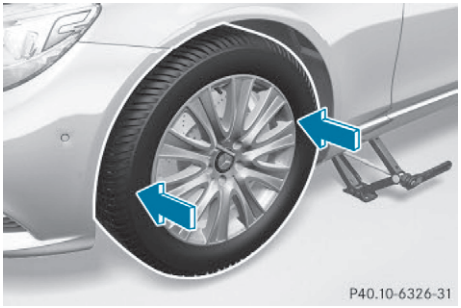
If you tighten the wheel bolts or wheel nuts when the vehicle is raised, the jack could tip over. There is a risk of injury.

Only tighten the wheel bolts or wheel nuts when the vehicle is on the ground.

It is imperative to observe the instructions and safety notes on "Changing a wheel" (▷ page 436).

Only use wheel bolts that have been designed for the wheel and the vehicle. For safety reasons, Mercedes-Benz recommends that you only use wheel bolts which have been approved for Mercedes-Benz vehicles and the respective wheel.

! **Mercedes AMG vehicles:** when removing and fitting a wheel, the wheel rim may strike the ceramic brake disc and damage it. Therefore, take precautions and have a second person assist you. Alternatively, you can use a second centring pin.


P40.10-6326-31

- ▶ Clean the wheel and wheel hub contact surfaces.
- ▶ Slide the wheel to be mounted onto the centring pin and push it on.
- ▶ Tighten the wheel bolts until they are finger-tight.
- ▶ Unscrew the centring pin.
- ▶ Tighten the last wheel bolt until it is finger-tight.
- ▶ **Vehicles with a collapsible emergency spare wheel:** inflate the collapsible emergency spare wheel (▷ page 462).

  Only then lower the vehicle.

Lowering the vehicle

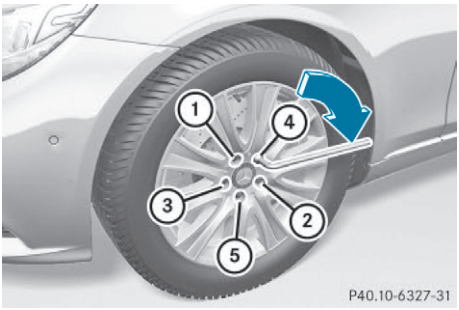
⚠ WARNING

The wheels could work loose if the wheel nuts and bolts are not tightened to the specified tightening torque. There is a risk of accident.

Have the tightening torque immediately checked at a qualified specialist workshop after a wheel is changed.

! **Vehicles with a collapsible emergency spare wheel:** Inflate the collapsible emergency spare wheel using the tyre inflation compressor before lowering the vehicle. The rim could otherwise be damaged.

- ▶ Place the ratchet ring spanner onto the hexagon nut of the jack so that the letters **AB** are visible.
- ▶ Turn the ratchet ring spanner until the vehicle is once again standing firmly on the ground.
- ▶ Place the jack to one side.



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- ▶ Tighten the wheel bolts evenly in a crosswise pattern in the sequence indicated (① to ⑤). The tightening torque must be **150 Nm**.
- ▶ Turn the jack back to its initial position.
- ▶ Stow the jack and the rest of the tyre-change tool kit in the boot again.
- ▶ **Mercedes-AMG vehicles and vehicles with AMG equipment:** insert the cover into the outer sill.
- ▶ Check the air pressure of the newly fitted wheel and adjust accordingly.

  Observe the recommended tyre pressure (▷ page 430).

ⓘ Vehicles with a tyre pressure control system: all fitted wheels must be equipped with functioning sensors for the tyre pressure control system.

Wheel and tyre combinations

General notes

! For safety reasons, Mercedes-Benz recommends that you only use tyres and wheels which have been approved by Mercedes-Benz specifically for your vehicle.

These are specially adapted to the control systems, such as ABS or ESP® and are marked as follows:

- MO = Mercedes-Benz Original
- MOE = Mercedes-Benz Original Extended (tyres featuring run-flat characteristics)
- MO1 = Mercedes-Benz Original (only certain AMG tyres)

Mercedes-Benz Original Extended tyres may only be used on wheels that have been specifically approved by Mercedes-Benz.

Only use tyres, wheels or accessories tested and approved by Mercedes-Benz. Certain characteristics, e.g. handling, vehicle noise emissions or fuel consumption, may otherwise be adversely affected. In addition, when driving with a load, tyre dimension variations could cause the tyres to come into contact with the bodywork and axle components. This could result in damage to the tyres or the vehicle.

Mercedes-Benz accepts no liability for damage resulting from the use of tyres, wheels or accessories other than those tested and approved.

Further information about wheels, tyres and approved combinations can be obtained from any qualified specialist workshop.

! Retreaded tyres are neither tested nor recommended by Mercedes-Benz, since previous damage cannot always be detected on retreaded tyres. As a result, Mercedes-Benz cannot guarantee vehicle safety if retreaded tyres are fitted. Do not fit used tyres if you have no information about their previous usage.

! Large wheels: the lower the section width for a certain wheel size, the lower the ride comfort is on poor road surfaces. Roll comfort and suspension comfort are reduced and the risk of damage to the wheels and tyres as a result of driving over obstacles increases.

Overview of abbreviations used in the following tyre tables:

- BA: both axles
- FA: front axle
- RA: rear axle

The recommended tyre pressures can be found in the tyre pressure table on the fuel filler flap. Further information on tyre pressure (▷ page 430). Check tyre pressures regularly and only when the tyres are cold.

Notes on the vehicle equipment – always fit the vehicle:

- with tyres of the same size across an axle (left/right)
- with the same type of tyres at a given time (summer tyres, winter tyres, MOExtended tyres)

  Exception: it is permissible to fit a different type or make in the event of a flat tyre. Observe the "MOExtended tyres (tyres with run-flat characteristics)" section (▷ page 410).

Vehicles with MOExtended tyres are not equipped with a TIREFIT kit at the factory. It is therefore recommended that you additionally equip your vehicle with a TIREFIT kit if you fit tyres that do not feature run-flat characteristics, e.g. winter tyres. A TIREFIT kit can be obtained from a qualified specialist workshop.

i Not all wheel/tyre combinations can be fitted at the factory in all countries.

Tyres

S 300 h

Summer tyres

R17

Tyres	Wheels
BA: 245/55 R17 102 W[8]	BA: 8.0 J x 17 H2 ET 41

R18

Tyres	Wheels
BA: 245/50 R18 100 W[9]	BA: 8.0 J x 18 H2 ET 41
FA: 245/50 R18 100 W[9] RA: 275/45 R18 103 W[9, 13]	FA: 8.0 J x 18 H2 ET 41 RA: 9.5 J x 18 H2 ET 43.5

R19

Tyres	Wheels
FA: 245/45 R19 102 Y XL[9] RA: 275/40 R19 101 Y[9, 13]	FA: 8.5 J x 19 H2 ET 36 RA: 9.5 J x 19 H2 ET 43.5
FA: 245/45 R19 102 Y XL[8, 9] RA: 275/40 R19 101 Y[9, 13]	FA: 8.5 J x 19 H2 ET 38[10] RA: 9.5 J x 19 H2 ET 38[10]

R20

Tyres	Wheels
FA: 245/40 R20 99 Y XL[9] RA: 275/35 R20 102 Y XL[9, 13]	FA: 8.5 J x 20 H2 ET 36 RA: 9.5 J x 20 H2 ET 43.5
FA: 245/40 R20 99 Y XL[9] RA: 275/35 R20 102 Y XL[9, 13]	FA: 8.5 J x 20 H2 ET 36.5[10] RA: 9.5 J x 20 H2 ET 44[10]
FA: 245/40 R20 99 Y XL[9] RA: 275/35 R20 102 Y XL[9, 13]	FA: 8.5 J x 20 H2 ET 38[10] RA: 9.5 J x 20 H2 ET 38[10]

Winter tyres

R17

Tyres	Wheels
BA: 245/55 R17 102 V M+S [8]	BA: 8.0 J x 17 H2 ET 41

8 Not in conjunction with AMG Line (code 950).

9 Available as MOExtended tyres.

13 Use of snow chains not permitted. Observe the notes in the "Snow chains" section.

10 Only in conjunction with AMG Line (code 950).

R18

Tyres	Wheels
BA: 245/50 R18 104 V XL M+S [9]	BA: 8.0 J x 18 H2 ET 41

R19

Tyres	Wheels
BA: 245/45 R19 102 V XL M+S [9]	BA: 8.5 J x 19 H2 ET 36
BA: 245/45 R19 102 V XL M+S [9]	BA: 8.5 J x 19 H2 ET 38[10]

S 320

Summer tyres

R17

Tyres	Wheels
BA: 245/55 R17 102 W[8]	BA: 8.0 J x 17 H2 ET 41

R18

Tyres	Wheels
BA: 245/50 R18 100 W[9]	BA: 8.0 J x 18 H2 ET 41
FA: 245/50 R18 100 W[9] RA: 275/45 R18 103 W[9, 13]	FA: 8.0 J x 18 H2 ET 41 RA: 9.5 J x 18 H2 ET 43.5

R19

Tyres	Wheels
FA: 245/45 R19 102 Y XL[9] RA: 275/40 R19 101 Y[9, 13]	FA: 8.5 J x 19 H2 ET 36 RA: 9.5 J x 19 H2 ET 43.5
FA: 245/45 R19 102 Y XL[8, 9] RA: 275/40 R19 101 Y[9, 13]	FA: 8.5 J x 19 H2 ET 38[10] RA: 9.5 J x 19 H2 ET 38[10]

9 Available as MOExtended tyres.

10 Only in conjunction with AMG Line (code 950).

8 Not in conjunction with AMG Line (code 950).

13 Use of snow chains not permitted. Observe the notes in the "Snow chains" section.

R20

Tyres	Wheels
FA: 245/40 R20 99 Y XL[9] RA: 275/35 R20 102 Y XL[9, 13]	FA: 8.5 J x 20 H2 ET 36 RA: 9.5 J x 20 H2 ET 43.5
FA: 245/40 R20 99 Y XL[9] RA: 275/35 R20 102 Y XL[9, 13]	FA: 8.5 J x 20 H2 ET 36.5[10] RA: 9.5 J x 20 H2 ET 44[10]
FA: 245/40 R20 99 Y XL[9] RA: 275/35 R20 102 Y XL[9, 13]	FA: 8.5 J x 20 H2 ET 38[10] RA: 9.5 J x 20 H2 ET 38[10]

Winter tyres

R17

Tyres	Wheels
BA: 245/55 R17 102 V M+S [8]	BA: 8.0 J x 17 H2 ET 41

R18

Tyres	Wheels
BA: 245/50 R18 104 V XL M+S [9]	BA: 8.0 J x 18 H2 ET 41

R19

Tyres	Wheels
BA: 245/45 R19 102 V XL M+S [9]	BA: 8.5 J x 19 H2 ET 36
BA: 245/45 R19 102 V XL M+S [9]	BA: 8.5 J x 19 H2 ET 38[10]

S 350 d

Summer tyres

R17

Tyres	Wheels
BA: 245/55 R17 102 W[8]	BA: 8.0 J x 17 H2 ET 41

9 Available as MOExtended tyres.

13 Use of snow chains not permitted. Observe the notes in the "Snow chains" section.

10 Only in conjunction with AMG Line (code 950).

8 Not in conjunction with AMG Line (code 950).

R18

Tyres	Wheels
BA: 245/50 R18 100 W[9]	BA: 8.0 J x 18 H2 ET 41
FA: 245/50 R18 100 W[9] RA: 275/45 R18 103 W[9, 13]	FA: 8.0 J x 18 H2 ET 41 RA: 9.5 J x 18 H2 ET 43.5

R19

Tyres	Wheels
FA: 245/45 R19 102 Y XL[9] RA: 275/40 R19 101 Y[9, 13]	FA: 8.5 J x 19 H2 ET 36 RA: 9.5 J x 19 H2 ET 43.5
FA: 245/45 R19 102 Y XL[9] RA: 275/40 R19 101 Y[9, 13]	FA: 8.5 J x 19 H2 ET 38[10] RA: 9.5 J x 19 H2 ET 38[10]

R20

Tyres	Wheels
FA: 245/40 R20 99 Y XL[9] RA: 275/35 R20 102 Y XL[9, 13]	FA: 8.5 J x 20 H2 ET 36 RA: 9.5 J x 20 H2 ET 43.5
FA: 245/40 R20 99 Y XL[9] RA: 275/35 R20 102 Y XL[9, 13]	FA: 8.5 J x 20 H2 ET 36.5[10] RA: 9.5 J x 20 H2 ET 44[10]
FA: 245/40 R20 99 Y XL[9] RA: 275/35 R20 102 Y XL[9, 13]	FA: 8.5 J x 20 H2 ET 38[10] RA: 9.5 J x 20 H2 ET 38[10]

Winter tyres

R17

Tyres	Wheels
BA: 245/55 R17 102 V M+S [8]	BA: 8.0 J x 17 H2 ET 41

R18

Tyres	Wheels
BA: 245/50 R18 104 V XL M+S [9]	BA: 8.0 J x 18 H2 ET 41

9 Available as MOExtended tyres.

13 Use of snow chains not permitted. Observe the notes in the "Snow chains" section.

10 Only in conjunction with AMG Line (code 950).

8 Not in conjunction with AMG Line (code 950).

R19

Tyres	Wheels
BA: 245/45 R19 102 V XL M+S [9]	BA: 8.5 J x 19 H2 ET 36
BA: 245/45 R19 102 V XL M+S [9]	BA: 8.5 J x 19 H2 ET 38[10]

S 350 d 4MATIC

Summer tyres

R17

Tyres	Wheels
BA: 245/55 R17 102 W[8]	BA: 8.0 J x 17 H2 ET 41

R18

Tyres	Wheels
BA: 245/50 R18 100 W[9]	BA: 8.0 J x 18 H2 ET 41
FA: 245/50 R18 100 W[9] RA: 275/45 R18 103 W[9, 13]	FA: 8.0 J x 18 H2 ET 41 RA: 9.5 J x 18 H2 ET 43.5

R19

Tyres	Wheels
FA: 245/45 R19 102 Y XL[9] RA: 275/40 R19 101 Y[9, 13]	FA: 8.5 J x 19 H2 ET 36 RA: 9.5 J x 19 H2 ET 43.5
FA: 245/45 R19 102 Y XL[9] RA: 275/40 R19 101 Y[9, 13]	FA: 8.5 J x 19 H2 ET 38[10] RA: 9.5 J x 19 H2 ET 38[10]

R20

Tyres	Wheels
FA: 245/40 R20 99 Y XL[9] RA: 275/35 R20 102 Y XL[9, 13]	FA: 8.5 J x 20 H2 ET 36 RA: 9.5 J x 20 H2 ET 43.5
FA: 245/40 R20 99 Y XL[9] RA: 275/35 R20 102 Y XL[9, 13]	FA: 8.5 J x 20 H2 ET 36.5[10] RA: 9.5 J x 20 H2 ET 44[10]
FA: 245/40 R20 99 Y XL[9] RA: 275/35 R20 102 Y XL[9, 13]	FA: 8.5 J x 20 H2 ET 38[10] RA: 9.5 J x 20 H2 ET 38[10]

[9] Available as MOExtended tyres.
[10] Only in conjunction with AMG Line (code 950).
[8] Not in conjunction with AMG Line (code 950).
[13] Use of snow chains not permitted. Observe the notes in the "Snow chains" section.

Winter tyres

R17

Tyres	Wheels
BA: 245/55 R17 102 V M+S [8]	BA: 8.0 J x 17 H2 ET 41

R18

Tyres	Wheels
BA: 245/50 R18 104 V XL M+S [9]	BA: 8.0 J x 18 H2 ET 41

R19

Tyres	Wheels
BA: 245/45 R19 102 V XL M+S [9]	BA: 8.5 J x 19 H2 ET 36
BA: 245/45 R19 102 V XL M+S [9]	BA: 8.5 J x 19 H2 ET 38 [10]

S 400

Summer tyres

R18

Tyres	Wheels
BA: 245/50 R18 100 W[9]	BA: 8.0 J x 18 H2 ET 41
FA: 245/50 R18 100 W[9] RA: 275/45 R18 103 W[9, 13]	FA: 8.0 J x 18 H2 ET 41 RA: 9.5 J x 18 H2 ET 43.5

R19

Tyres	Wheels
FA: 245/45 R19 102 Y XL[9] RA: 275/40 R19 101 Y[9, 13]	FA: 8.5 J x 19 H2 ET 36 RA: 9.5 J x 19 H2 ET 43.5
FA: 245/45 R19 102 Y XL[9] RA: 275/40 R19 101 Y[9, 13]	FA: 8.5 J x 19 H2 ET 38[10] RA: 9.5 J x 19 H2 ET 38[10]

8 Not in conjunction with AMG Line (code 950).
9 Available as MOExtended tyres.
10 Only in conjunction with AMG Line (code 950).
13 Use of snow chains not permitted. Observe the notes in the "Snow chains" section.

R20

Tyres	Wheels
FA: 245/40 R20 99 Y XL[9] RA: 275/35 R20 102 Y XL[9, 13]	FA: 8.5 J x 20 H2 ET 36 RA: 9.5 J x 20 H2 ET 43.5
FA: 245/40 R20 99 Y XL[9] RA: 275/35 R20 102 Y XL[9, 13]	FA: 8.5 J x 20 H2 ET 36.5 RA: 9.5 J x 20 H2 ET 44
FA: 245/40 R20 99 Y XL[9] RA: 275/35 R20 102 Y XL[9, 13]	FA: 8.5 J x 20 H2 ET 38[10] RA: 9.5 J x 20 H2 ET 38[10]

Winter tyres

R18

Tyres	Wheels
BA: 245/50 R18 104 V XL M+S [9]	BA: 8.0 J x 18 H2 ET 41

R19

Tyres	Wheels
BA: 245/45 R19 102 V XL M+S [9]	BA: 8.5 J x 19 H2 ET 36
BA: 245/45 R19 102 V XL M+S [9]	BA: 8.5 J x 19 H2 ET 38[10]

S 400 4MATIC

Summer tyres

R18

Tyres	Wheels
BA: 245/50 R18 100 W[9]	BA: 8.0 J x 18 H2 ET 41
FA: 245/50 R18 100 W[9] RA: 275/45 R18 103 W[9, 13]	FA: 8.0 J x 18 H2 ET 41 RA: 9.5 J x 18 H2 ET 43.5

R19

Tyres	Wheels
FA: 245/45 R19 102 Y XL[9] RA: 275/40 R19 101 Y[9, 13]	FA: 8.5 J x 19 H2 ET 36 RA: 9.5 J x 19 H2 ET 43.5
FA: 245/45 R19 102 Y XL[9] RA: 275/40 R19 101 Y[9, 13]	FA: 8.5 J x 19 H2 ET 38[10] RA: 9.5 J x 19 H2 ET 38[10]

9 Available as MOExtended tyres.

13 Use of snow chains not permitted. Observe the notes in the "Snow chains" section.

10 Only in conjunction with AMG Line (code 950).

R20

Tyres	Wheels
FA: 245/40 R20 99 Y XL[9] RA: 275/35 R20 102 Y XL[9, 13]	FA: 8.5 J x 20 H2 ET 36 RA: 9.5 J x 20 H2 ET 43.5
FA: 245/40 R20 99 Y XL[9] RA: 275/35 R20 102 Y XL[9, 13]	FA: 8.5 J x 20 H2 ET 36.5 RA: 9.5 J x 20 H2 ET 44
FA: 245/40 R20 99 Y XL[9] RA: 275/35 R20 102 Y XL[9, 13]	FA: 8.5 J x 20 H2 ET 38[10] RA: 9.5 J x 20 H2 ET 38[10]

Winter tyres

R18

Tyres	Wheels
BA: 245/50 R18 104 V XL M+S [9]	BA: 8.0 J x 18 H2 ET 41

R19

Tyres	Wheels
BA: 245/45 R19 102 V XL M+S [9]	BA: 8.5 J x 19 H2 ET 36
BA: 245/45 R19 102 V XL M+S [9]	BA: 8.5 J x 19 H2 ET 38[10]

Mercedes-Maybach S 400 4MATIC

Summer tyres

R18

Tyres	Wheels
BA: 245/50 R18 100 W[9]	BA: 8.0 J x 18 H2 ET 41
FA: 245/50 R18 100 W[9] RA: 275/45 R18 103 W[9, 13]	FA: 8.0 J x 18 H2 ET 41 RA: 9.5 J x 18 H2 ET 43.5

R19

Tyres	Wheels
FA: 245/45 R19 102 Y XL[9] RA: 275/40 R19 101 Y[9, 13]	FA: 8.5 J x 19 H2 ET 36 RA: 9.5 J x 19 H2 ET 43.5

9 Available as MOExtended tyres.

13 Use of snow chains not permitted. Observe the notes in the "Snow chains" section.

10 Only in conjunction with AMG Line (code 950).

R20

Tyres	Wheels
FA: 245/40 R20 99 Y XL[9] RA: 275/35 R20 102 Y XL[9, 13]	FA: 8.5 J x 20 H2 ET 36 RA: 9.5 J x 20 H2 ET 43.5
FA: 245/40 R20 99 Y XL[9] RA: 275/35 R20 102 Y XL[9, 13]	FA: 8.5 J x 20 H2 ET 36.5 RA: 9.5 J x 20 H2 ET 44

Winter tyres

R18

Tyres	Wheels
BA: 245/50 R18 104 V XL M+S [9]	BA: 8.0 J x 18 H2 ET 41

R19

Tyres	Wheels
BA: 245/45 R19 102 V XL M+S [9]	BA: 8.5 J x 19 H2 ET 36

S 400 h

Summer tyres

R17

Tyres	Wheels
BA: 245/55 R17 102 W[8]	BA: 8.0 J x 17 H2 ET 41

R18

Tyres	Wheels
BA: 245/50 R18 100 W[9]	BA: 8.0 J x 18 H2 ET 41
FA: 245/50 R18 100 W[9] RA: 275/45 R18 103 W[9, 13]	FA: 8.0 J x 18 H2 ET 41 RA: 9.5 J x 18 H2 ET 43.5

[9] Available as MOExtended tyres.

[13] Use of snow chains not permitted. Observe the notes in the "Snow chains" section.

[8] Not in conjunction with AMG Line (code 950).

R19

Tyres	Wheels
FA: 245/45 R19 102 Y XL[9] RA: 275/40 R19 101 Y[9, 13]	FA: 8.5 J x 19 H2 ET 36 RA: 9.5 J x 19 H2 ET 43.5
FA: 245/45 R19 102 Y XL[9] RA: 275/40 R19 101 Y[9, 13]	FA: 8.5 J x 19 H2 ET 38[10] RA: 9.5 J x 19 H2 ET 38[10]

R20

Tyres	Wheels
FA: 245/40 R20 99 Y XL[9] RA: 275/35 R20 102 Y XL[9, 13]	FA: 8.5 J x 20 H2 ET 36 RA: 9.5 J x 20 H2 ET 43.5
FA: 245/40 R20 99 Y XL[9] RA: 275/35 R20 102 Y XL[9, 13]	FA: 8.5 J x 20 H2 ET 36.5[10] RA: 9.5 J x 20 H2 ET 44[10]
FA: 245/40 R20 99 Y XL[9] RA: 275/35 R20 102 Y XL[9, 13]	FA: 8.5 J x 20 H2 ET 38[10] RA: 9.5 J x 20 H2 ET 38[10]

Winter tyres

R17

Tyres	Wheels
BA: 245/55 R17 102 V M+S [8]	BA: 8.0 J x 17 H2 ET 41

R18

Tyres	Wheels
BA: 245/50 R18 104 V XL M+S [9]	BA: 8.0 J x 18 H2 ET 41

R19

Tyres	Wheels
BA: 245/45 R19 102 V XL M+S [9]	BA: 8.5 J x 19 H2 ET 36
BA: 245/45 R19 102 V XL M+S [9]	BA: 8.5 J x 19 H2 ET 38[10]

9 Available as MOExtended tyres.

13 Use of snow chains not permitted. Observe the notes in the "Snow chains" section.

10 Only in conjunction with AMG Line (code 950).

8 Not in conjunction with AMG Line (code 950).

S 500

Summer tyres

R18

Tyres	Wheels
BA: 245/50 R18 100 W[9]	BA: 8.0 J x 18 H2 ET 41
FA: 245/50 R18 100 W[9] RA: 275/45 R18 103 W[9, 13]	FA: 8.0 J x 18 H2 ET 41 RA: 9.5 J x 18 H2 ET 43.5

R19

Tyres	Wheels
FA: 245/45 R19 102 Y XL[9] RA: 275/40 R19 101 Y[9, 13]	FA: 8.5 J x 19 H2 ET 36 RA: 9.5 J x 19 H2 ET 43.5
FA: 245/45 R19 102 Y XL[9] RA: 275/40 R19 101 Y[9, 13]	FA: 8.5 J x 19 H2 ET 38[10] RA: 9.5 J x 19 H2 ET 38[10]

R20

Tyres	Wheels
FA: 245/40 R20 99 Y XL[9] RA: 275/35 R20 102 Y XL[9, 13]	FA: 8.5 J x 20 H2 ET 36 RA: 9.5 J x 20 H2 ET 43.5
FA: 245/40 R20 99 Y XL[9] RA: 275/35 R20 102 Y XL[9, 13]	FA: 8.5 J x 20 H2 ET 36.5 RA: 9.5 J x 20 H2 ET 44
FA: 245/40 R20 99 Y XL[9] RA: 275/35 R20 102 Y XL[9, 13]	FA: 8.5 J x 20 H2 ET 38[10] RA: 9.5 J x 20 H2 ET 38[10]

Winter tyres

R18

Tyres	Wheels
BA: 245/50 R18 104 V XL M+S [9]	BA: 8.0 J x 18 H2 ET 41

R19

Tyres	Wheels
BA: 245/45 R19 102 V XL M+S [9]	BA: 8.5 J x 19 H2 ET 36
BA: 245/45 R19 102 V XL M+S [9]	BA: 8.5 J x 19 H2 ET 38[10]

9 Available as MOExtended tyres.

13 Use of snow chains not permitted. Observe the notes in the "Snow chains" section.

10 Only in conjunction with AMG Line (code 950).

Mercedes-Maybach S 500

Summer tyres

R18

Tyres	Wheels
BA: 245/50 R18 100 W[9]	BA: 8.0 J x 18 H2 ET 41
FA: 245/50 R18 100 W[9] RA: 275/45 R18 103 W[9, 13]	FA: 8.0 J x 18 H2 ET 41 RA: 9.5 J x 18 H2 ET 43.5

R19

Tyres	Wheels
FA: 245/45 R19 102 Y XL[9] RA: 275/40 R19 101 Y[9, 13]	FA: 8.5 J x 19 H2 ET 36 RA: 9.5 J x 19 H2 ET 43.5

R20

Tyres	Wheels
FA: 245/40 R20 99 Y XL[9] RA: 275/35 R20 102 Y XL[9, 13]	FA: 8.5 J x 20 H2 ET 36 RA: 9.5 J x 20 H2 ET 43.5
FA: 245/40 R20 99 Y XL[9] RA: 275/35 R20 102 Y XL[9, 13]	FA: 8.5 J x 20 H2 ET 36.5 RA: 9.5 J x 20 H2 ET 44

Winter tyres

R18

Tyres	Wheels
BA: 245/50 R18 104 V XL M+S [9]	BA: 8.0 J x 18 H2 ET 41

R19

Tyres	Wheels
BA: 245/45 R19 102 V XL M+S [9]	BA: 8.5 J x 19 H2 ET 36

9 Available as MOExtended tyres.

13 Use of snow chains not permitted. Observe the notes in the "Snow chains" section.

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Summer tyres

R18

Tyres	Wheels
BA: 245/50 R18 100 W[9]	BA: 8.0 J x 18 H2 ET 41
FA: 245/50 R18 100 W[9] RA: 275/45 R18 103 W[9, 13]	FA: 8.0 J x 18 H2 ET 41 RA: 9.5 J x 18 H2 ET 43.5

R19

Tyres	Wheels
FA: 245/45 R19 102 Y XL[9] RA: 275/40 R19 101 Y[9, 13]	FA: 8.5 J x 19 H2 ET 36 RA: 9.5 J x 19 H2 ET 43.5
FA: 245/45 R19 102 Y XL[9] RA: 275/40 R19 101 Y[9, 13]	FA: 8.5 J x 19 H2 ET 38[10] RA: 9.5 J x 19 H2 ET 38[10]

R20

Tyres	Wheels
FA: 245/40 R20 99 Y XL[9] RA: 275/35 R20 102 Y XL[9, 13]	FA: 8.5 J x 20 H2 ET 36 RA: 9.5 J x 20 H2 ET 43.5
FA: 245/40 R20 99 Y XL[9] RA: 275/35 R20 102 Y XL[9, 13]	FA: 8.5 J x 20 H2 ET 36.5 RA: 9.5 J x 20 H2 ET 44
FA: 245/40 R20 99 Y XL[9] RA: 275/35 R20 102 Y XL[9, 13]	FA: 8.5 J x 20 H2 ET 38[10] RA: 9.5 J x 20 H2 ET 38[10]

Winter tyres

R18

Tyres	Wheels
BA: 245/50 R18 104 V XL M+S [9]	BA: 8.0 J x 18 H2 ET 41

R19

Tyres	Wheels
BA: 245/45 R19 102 V XL M+S [9]	BA: 8.5 J x 19 H2 ET 36
BA: 245/45 R19 102 V XL M+S [9]	BA: 8.5 J x 19 H2 ET 38[10]

9 Available as MOExtended tyres.

13 Use of snow chains not permitted. Observe the notes in the "Snow chains" section.

10 Only in conjunction with AMG Line (code 950).

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Summer tyres

R18

Tyres	Wheels
BA: 245/50 R18 100 W[9]	BA: 8.0 J x 18 H2 ET 41
FA: 245/50 R18 100 W[9] RA: 275/45 R18 103 W[9, 13]	FA: 8.0 J x 18 H2 ET 41 RA: 9.5 J x 18 H2 ET 43.5

R19

Tyres	Wheels
FA: 245/45 R19 102 Y XL[9] RA: 275/40 R19 101 Y[9, 13]	FA: 8.5 J x 19 H2 ET 36 RA: 9.5 J x 19 H2 ET 43.5

R20

Tyres	Wheels
FA: 245/40 R20 99 Y XL[9] RA: 275/35 R20 102 Y XL[9, 13]	FA: 8.5 J x 20 H2 ET 36 RA: 9.5 J x 20 H2 ET 43.5
FA: 245/40 R20 99 Y XL[9] RA: 275/35 R20 102 Y XL[9, 13]	FA: 8.5 J x 20 H2 ET 36.5 RA: 9.5 J x 20 H2 ET 44

Winter tyres

R18

Tyres	Wheels
BA: 245/50 R18 104 V XL M+S [9]	BA: 8.0 J x 18 H2 ET 41

R19

Tyres	Wheels
BA: 245/45 R19 102 V XL M+S [9]	BA: 8.5 J x 19 H2 ET 36

9 Available as MOExtended tyres.

13 Use of snow chains not permitted. Observe the notes in the "Snow chains" section.

S 500 e

Summer tyres

R18

Tyres	Wheels
FA: 245/50 R18 100 W[9] RA: 275/45 R18 103 W[9, 13]	FA: 8.0 J x 18 H2 ET 41 RA: 9.5 J x 18 H2 ET 43.5

R19

Tyres	Wheels
FA: 245/45 R19 102 Y XL[9] RA: 275/40 R19 101 Y[9, 13]	FA: 8.5 J x 19 H2 ET 36 RA: 9.5 J x 19 H2 ET 43.5
FA: 245/45 R19 102 Y XL[9] RA: 275/40 R19 101 Y[9, 13]	FA: 8.5 J x 19 H2 ET 38[10] RA: 9.5 J x 19 H2 ET 38[10]

R20

Tyres	Wheels
FA: 245/40 R20 99 Y XL[9] RA: 275/35 R20 102 Y XL[9, 13]	FA: 8.5 J x 20 H2 ET 36 RA: 9.5 J x 20 H2 ET 43.5
FA: 245/40 R20 99 Y XL[9] RA: 275/35 R20 102 Y XL[9, 13]	FA: 8.5 J x 20 H2 ET 36.5 RA: 9.5 J x 20 H2 ET 44
FA: 245/40 R20 99 Y XL[9] RA: 275/35 R20 102 Y XL[9, 13]	FA: 8.5 J x 20 H2 ET 38[10] RA: 9.5 J x 20 H2 ET 38[10]

Winter tyres

R18

Tyres	Wheels
BA: 245/50 R18 104 V XL M+S [9]	BA: 8.0 J x 18 H2 ET 41

R19

Tyres	Wheels
BA: 245/45 R19 102 V XL M+S [9]	BA: 8.5 J x 19 H2 ET 36
BA: 245/45 R19 102 V XL M+S [9]	BA: 8.5 J x 19 H2 ET 38[10]

9 Available as MOExtended tyres.
13 Use of snow chains not permitted. Observe the notes in the "Snow chains" section.
10 Only in conjunction with AMG Line (code 950).

S 600

Summer tyres

R19

Tyres	Wheels
FA: 245/45 R19 102 Y XL[9] RA: 275/40 R19 101 Y[9, 13]	FA: 8.5 J x 19 H2 ET 36 RA: 9.5 J x 19 H2 ET 43.5
FA: 245/45 R19 102 Y XL[9] RA: 275/40 R19 101 Y[9, 13]	FA: 8.5 J x 19 H2 ET 38[10] RA: 9.5 J x 19 H2 ET 38[10]

R20

Tyres	Wheels
FA: 245/40 R20 99 Y XL[9] RA: 275/35 R20 102 Y XL[9, 13]	FA: 8.5 J x 20 H2 ET 36 RA: 9.5 J x 20 H2 ET 43.5
FA: 245/40 R20 99 Y XL[9] RA: 275/35 R20 102 Y XL[9, 13]	FA: 8.5 J x 20 H2 ET 36.5 RA: 9.5 J x 20 H2 ET 44
FA: 245/40 R20 99 Y XL[9] RA: 275/35 R20 102 Y XL[9, 13]	FA: 8.5 J x 20 H2 ET 38[10] RA: 9.5 J x 20 H2 ET 38[10]

Winter tyres

R19

Tyres	Wheels
BA: 245/45 R19 102 V XL M+S [9]	BA: 8.5 J x 19 H2 ET 36
BA: 245/45 R19 102 V XL M+S [9]	BA: 8.5 J x 19 H2 ET 38[10]

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Summer tyres

R19

Tyres	Wheels
FA: 245/45 R19 102 Y XL[9] RA: 275/40 R19 101 Y[9, 13]	FA: 8.5 J x 19 H2 ET 36 RA: 9.5 J x 19 H2 ET 43.5

9 Available as MOExtended tyres.

13 Use of snow chains not permitted. Observe the notes in the "Snow chains" section.

10 Only in conjunction with AMG Line (code 950).

R20

Tyres	Wheels
FA: 245/40 R20 99 Y XL[9] RA: 275/35 R20 102 Y XL[9, 13]	FA: 8.5 J x 20 H2 ET 36 RA: 9.5 J x 20 H2 ET 43.5
FA: 245/40 R20 99 Y XL[9] RA: 275/35 R20 102 Y XL[9, 13]	FA: 8.5 J x 20 H2 ET 36.5 RA: 9.5 J x 20 H2 ET 44

Winter tyres

R19

Tyres	Wheels
BA: 245/45 R19 102 V XL M+S [9]	BA: 8.5 J x 19 H2 ET 36

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Summer tyres

R19

Tyres	Wheels
FA: 255/45 ZR19 (104 Y) XL[11, 12] RA: 285/40 ZR19 (107 Y) XL[11, 12, 13]	FA: 8.5 J x 19 H2 ET 38 RA: 9.5 J x 19 H2 ET 38
FA: 255/45 ZR19 (104 Y) XL[11, 12] RA: 285/40 ZR19 (107 Y) XL[11, 12, 13]	FA: 8.5 J x 19 H2 ET 39 RA: 9.5 J x 19 H2 ET 39

R20

Tyres	Wheels
FA: 255/40 ZR20 (101 Y) XL[12, 14] RA: 285/35 ZR20 (104 Y) XL[12, 13, 14]	FA: 8.5 J x 20 H2 ET 38 RA: 9.5 J x 20 H2 ET 38
FA: 255/40 ZR20 (101 Y) XL[12, 14] RA: 285/35 ZR20 (104 Y) XL[12, 13, 14]	FA: 8.5 J x 20 H2 ET 39 RA: 9.5 J x 20 H2 ET 39

Winter tyres

R19

Tyres	Wheels
BA: 255/45 R19 104 V XL M+S [11, 12]	BA: 8.5 J x 19 H2 ET 38
BA: 255/45 R19 104 V XL M+S [11, 12]	BA: 8.5 J x 19 H2 ET 39

9 Available as MOExtended tyres.

13 Use of snow chains not permitted. Observe the notes in the "Snow chains" section.

11 Not in combination with a ceramic brake system.

12 Only for certain countries.

14 Observe notes on "Large wheels" under "General notes" in "Wheel/tyre combinations".

R20

Tyres	Wheels
BA: 255/40 R20 101 V XL M+S [12, 14]	BA: 8.5 J x 20 H2 ET 38
BA: 255/40 R20 101 V XL M+S [12, 14]	BA: 8.5 J x 20 H2 ET 39
FA: 255/40 R20 101 V XL M+S [12, 14] RA: 285/35 R20 104 V XL M+S [12, 13, 14]	FA: 8.5 J x 20 H2 ET 38 RA: 9.5 J x 20 H2 ET 38
FA: 255/40 R20 101 V XL M+S [12, 14] RA: 285/35 R20 104 V XL M+S [12, 13, 14]	FA: 8.5 J x 20 H2 ET 39 RA: 9.5 J x 20 H2 ET 39

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Summer tyres

R19

Tyres	Wheels
FA: 255/45 ZR19 (104 Y) XL[11, 12] RA: 285/40 ZR19 (107 Y) XL[11, 12, 13]	FA: 8.5 J x 19 H2 ET 38 RA: 9.5 J x 19 H2 ET 38
FA: 255/45 ZR19 (104 Y) XL[11, 12] RA: 285/40 ZR19 (107 Y) XL[11, 12, 13]	FA: 8.5 J x 19 H2 ET 39 RA: 9.5 J x 19 H2 ET 39

R20

Tyres	Wheels
FA: 255/40 ZR20 (101 Y) XL[12, 14] RA: 285/35 ZR20 (104 Y) XL[12, 13, 14]	FA: 8.5 J x 20 H2 ET 38 RA: 9.5 J x 20 H2 ET 38
FA: 255/40 ZR20 (101 Y) XL[12, 14] RA: 285/35 ZR20 (104 Y) XL[12, 13, 14]	FA: 8.5 J x 20 H2 ET 39 RA: 9.5 J x 20 H2 ET 39

Winter tyres

R19

Tyres	Wheels
BA: 255/45 R19 104 V XL M+S [11, 12]	BA: 8.5 J x 19 H2 ET 38
BA: 255/45 R19 104 V XL M+S [11, 12]	BA: 8.5 J x 19 H2 ET 39

[12] Only for certain countries.
[14] Observe notes on "Large wheels" under "General notes" in "Wheel/tyre combinations".
[13] Use of snow chains not permitted. Observe the notes in the "Snow chains" section.
[11] Not in combination with a ceramic brake system.

R20

Tyres	Wheels
BA: 255/40 R20 101 V XL M+S [12, 14]	BA: 8.5 J x 20 H2 ET 38
BA: 255/40 R20 101 V XL M+S [12, 14]	BA: 8.5 J x 20 H2 ET 39
FA: 255/40 R20 101 V XL M+S [12, 14] RA: 285/35 R20 104 V XL M+S [12, 13, 14]	FA: 8.5 J x 20 H2 ET 38 RA: 9.5 J x 20 H2 ET 38
FA: 255/40 R20 101 V XL M+S [12, 14] RA: 285/35 R20 104 V XL M+S [12, 13, 14]	FA: 8.5 J x 20 H2 ET 39 RA: 9.5 J x 20 H2 ET 39

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Summer tyres

R20

Tyres	Wheels
FA: 255/40 ZR20 (101 Y) XL[12, 14] RA: 285/35 ZR20 (104 Y) XL[12, 13, 14]	FA: 8.5 J x 20 H2 ET 38 RA: 9.5 J x 20 H2 ET 38
FA: 255/40 ZR20 (101 Y) XL[12, 14] RA: 285/35 ZR20 (104 Y) XL[12, 13, 14]	FA: 8.5 J x 20 H2 ET 39 RA: 9.5 J x 20 H2 ET 39

Winter tyres

R20

Tyres	Wheels
BA: 255/40 R20 101 V XL M+S [12, 14]	BA: 8.5 J x 20 H2 ET 38
BA: 255/40 R20 101 V XL M+S [12, 14]	BA: 8.5 J x 20 H2 ET 39
FA: 255/40 R20 101 V XL M+S [12, 14] RA: 285/35 R20 104 V XL M+S [12, 13, 14]	FA: 8.5 J x 20 H2 ET 38 RA: 9.5 J x 20 H2 ET 38
FA: 255/40 R20 101 V XL M+S [12, 14] RA: 285/35 R20 104 V XL M+S [12, 13, 14]	FA: 8.5 J x 20 H2 ET 39 RA: 9.5 J x 20 H2 ET 39

Mercedes-AMG S 63

Summer tyres

For certain countries only: the following wheel/tyre combinations are permitted for vehicles with a maximum speed of 250 km/h.

12 Only for certain countries.

14 Observe notes on "Large wheels" under "General notes" in "Wheel/tyre combinations".

13 Use of snow chains not permitted. Observe the notes in the "Snow chains" section.

R20

Tyres	Wheels
FA: 245/40 R20 99 Y XL[9, 14] RA: 275/35 R20 102 Y XL[9, 13, 14]	FA: 8.5 J x 20 H2 ET 38 RA: 9.5 J x 20 H2 ET 38

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Summer tyres

For certain countries only: the following wheel/tyre combinations are permitted for vehicles with a maximum speed of 250 km/h.

R20

Tyres	Wheels
FA: 245/40 R20 99 Y XL[9, 14] RA: 275/35 R20 102 Y XL MOExtended[9, 13, 14]	FA: 8.5 J x 20 H2 ET 38 RA: 9.5 J x 20 H2 ET 38

Mercedes-AMG S 65

Summer tyres

For certain countries only: the following wheel/tyre combinations are permitted for vehicles with a maximum speed of 250 km/h.

R20

Tyres	Wheels
FA: 245/40 R20 99 Y XL[9, 14] RA: 275/35 R20 102 Y XL MOExtended[9, 13, 14]	FA: 8.5 J x 20 H2 ET 38 RA: 9.5 J x 20 H2 ET 38

Emergency spare wheel

Important safety notes

⚠ **WARNING**

The wheel/tyre dimensions and the tyre type of the spare wheel/emergency spare wheel and the wheel to be replaced may differ. Fitting a spare wheel/emergency spare wheel may severely impair the driving characteristics. There is a risk of accident.

To prevent hazardous situations:

- Adapt your driving style accordingly and drive carefully.
- Never fit more than one spare wheel/emergency spare wheel if the dimensions are different to those of the wheel being replaced.
- Only use a spare wheel/emergency spare wheel briefly if the dimensions are different to those of the wheel being replaced.
- Do not switch off ESP®.
- Have the spare wheel/emergency spare wheel in question replaced at the nearest

9 Available as MOExtended tyres.

14 Observe notes on "Large wheels" under "General notes" in "Wheel/tyre combinations".

13 Use of snow chains not permitted. Observe the notes in the "Snow chains" section.

▷▷

qualified specialist workshop. Make sure that the wheel/tyre dimensions and tyre type are correct.

When using an emergency spare wheel or spare wheel of a different size, you must not exceed the maximum speed of 80 km/h.

Snow chains must not be fitted to emergency spare wheels.

General notes

You should regularly check the pressure of all your tyres, including the emergency spare wheel, particularly prior to long trips, and correct the pressure as necessary (▷ page 430). The value on the wheel is valid. In addition, the emergency spare wheel tyre pressure can be found under "Technical data" (▷ page 463).

An emergency spare wheel may also be fitted against the direction of rotation. Observe the time restriction on use as well as the speed limitation specified on the emergency spare wheel.

Replace the tyres after six years at the latest, regardless of wear. This also applies to the emergency spare wheel.

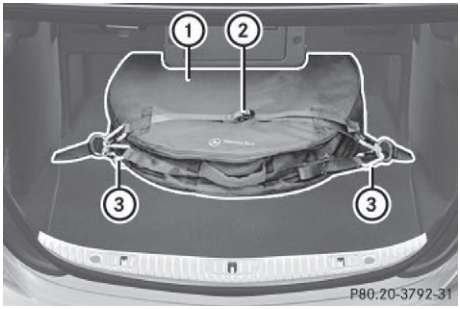
ⓘ If you are driving with the emergency spare wheel fitted, the tyre pressure loss warning system or the tyre pressure monitor cannot function reliably. Only restart the tyre pressure loss warning system or tyre pressure monitor when the defective wheel has been replaced with a new wheel.

Vehicles with tyre pressure monitor: after fitting an emergency spare wheel, the system may still display the tyre pressure of the removed wheel for a few minutes. The value displayed for the position where the emergency spare wheel is fitted is not the same as the current tyre pressure of the emergency spare wheel.

Removing the emergency spare wheel

Observe the instructions and safety notes in the "Fitting a wheel" section (▷ page 436).

On Mercedes-AMG vehicles the collapsible emergency spare wheel must be stowed in the emergency spare wheel bag in the footwell behind the front-passenger seat.



The collapsible emergency spare wheel is secured in emergency spare wheel bag ① in the boot.

- ▶ Open the boot.
- ▶ Release tensioning strap ②.
- ▶ Unhook retaining spring hooks ③ of tensioning strap ② from the eyelets.
- ▶ Remove emergency spare wheel bag ① with the collapsible emergency spare wheel.
- ▶ Open emergency spare wheel bag ① and remove the collapsible emergency spare wheel.

Inflating the collapsible emergency spare wheel

❗ Inflate the collapsible emergency spare wheel using the tyre inflation compressor before lowering the vehicle. The wheel rim could otherwise be damaged.

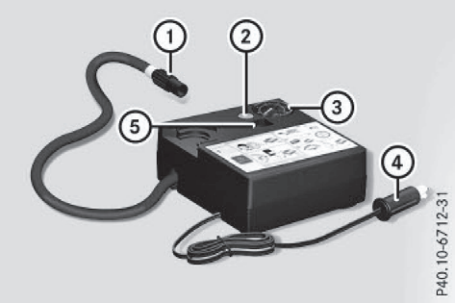
❗ Do not operate the tyre inflation compressor for longer than eight minutes at a time without a break. It may otherwise overheat.

The tyre inflation compressor can be operated again once it has cooled down.

- ▶ Mount the collapsible emergency spare wheel as described (▷ page 436).

The collapsible emergency spare wheel must be mounted before it is inflated.

- ▶ Remove the tyre inflation compressor from the stowage space under the boot floor (▷ page 408).



- ▶ Pull connector ④ and the hose out of the housing.
- ▶ Remove the cap from the valve on the collapsible emergency spare wheel.
- ▶ Screw union nut ① of the hose onto the valve.
- ▶ Make sure on and off switch ⑤ of the tyre inflation compressor is set to **0**.
- ▶ Insert plug ④ into the cigarette lighter socket (▷ page 377) or into a 12 V socket (▷ page 378) in your vehicle.
- ▶ Turn the key to position **1** in the ignition lock (▷ page 175).
- ▶ Press on and off switch ⑤ on the tyre inflation compressor to **I**.
  The tyre inflation compressor is switched on. The tyre is inflated. The tyre pressure is shown on pressure gauge ③.
- ▶ Pump the tyre to the specified tyre pressure.
  The specified tyre pressure is printed on the yellow label of the emergency spare wheel.
- ▶ When the specified tyre pressure has been reached, press on and off switch ⑤ on the electric air pump to **0**.
  The tyre inflation compressor is switched off.
- ▶ Turn the key to position **0** in the ignition lock.
- ▶ If the tyre pressure is higher than the specified pressure, press pressure release valve button ② until the correct tyre pressure has been reached.
- ▶ Unscrew union nut ① on the hose from the valve.
- ▶ Screw the valve cap onto the collapsible emergency spare wheel valve again.
- ▶ Stow connector ④ and the hose in the lower section of the tyre inflation compressor.
- ▶ Stow the tyre inflation compressor in the vehicle.

Technical data

Collapsible emergency spare wheel	
Tyres	**Wheels**
T 185/55 D20 100 P Tyre pressure: 350 kPa (3.5 bar/51 psi)	6.0 B x 20 H2 ET 36

Useful information

ⓘ This Owner's Manual describes all models, series and optional equipment for your vehicle that were available at the time of going to press. National variations are possible. Note that your vehicle may not be equipped with all of the functions described. This is also the case for systems and functions relevant to safety.

ⓘ Read the information on qualified specialist workshops: (▷ page 30).

Information on technical data

ⓘ The technical data was determined in accordance with EU Directives. All data applies to the vehicle's standard equipment. The data may therefore differ for vehicles with optional equipment. You can obtain further information from a Mercedes-Benz Service Centre.

Vehicle electronics

Tampering with the engine electronics

! Only have work carried out on the engine electronics and its associated parts, such as control units, sensors, actuating components and connector leads, at a qualified specialist workshop. Vehicle components may otherwise wear more quickly and the vehicle's operating permit may be invalidated.

! Engine management measures undertaken to increase performance can lead to increased wear and tear or damage to the drive system.

Retrofitting two-way radios and mobile phones (RF transmitters)

⚠ **WARNING**

If RF transmitters are tampered with or not properly retrofitted, the electromagnetic radiation they emit can interfere with the vehicle electronics. This may jeopardise the operational safety of the vehicle. There is a risk of an accident.

You should have all work on electrical and electronic components carried out at a qualified specialist workshop.

⚠ **WARNING**

If you operate RF transmitters incorrectly in the vehicle, the electromagnetic radiation could interfere with the vehicle electronics, e.g.:

- if the RF transmitter is not connected to an exterior aerial
- the exterior aerial has been fitted incorrectly or is not a low-reflection type

This could jeopardise the operating safety of the vehicle. There is a risk of an accident.

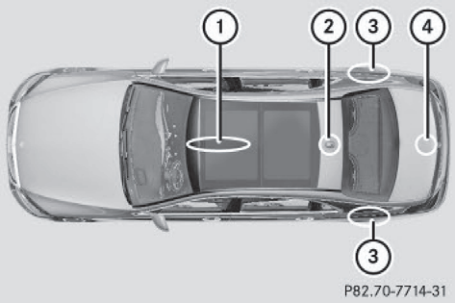
Have the low-reflection exterior aerial fitted at a qualified specialist workshop. When operating RF transmitters in the vehicle, always connect them to the low-reflection exterior aerial.

! The operating permit may be invalidated if the instructions for installation and use of RF transmitters are not observed.

In particular, the following conditions must be complied with:

- only approved wavebands may be used.
- observe the maximum permissible output in these wavebands.
- only approved aerial positions may be used.

Excessive levels of electromagnetic radiation may cause damage to your health and to the health of others. The use of an exterior aerial takes into consideration the scientific discussion surrounding the possible health risk posed by electromagnetic fields.



Approved aerial positions (example: Mercedes-Maybach)

① Front roof area
② Rear roof area
③ Rear wing
④ Boot lid

ℹ On vehicles with panorama sliding sunroof, fitting an aerial to the front or rear roof area is not permitted.

On the rear wing, it is recommended that you position the aerial on the side of the vehicle closest to the centre of the road.

Use Technical Specification ISO/TS 21609 (Road Vehicles – "EMC guidelines for fitting aftermarket radio frequency transmitting equipment") when retrofitting RF (radio frequency) transmitters. Comply with the legal requirements for add-on parts.

If your vehicle has fittings for two-way radio equipment, use the power supply or aerial connections intended for use with the basic wiring. Be sure to observe the manufacturer's additional instructions when installing.

Deviations with respect to wavebands, maximum transmission outputs or aerial positions must be approved by Mercedes-Benz.

The maximum transmission output (PEAK) at the base of the aerial must not exceed the following values:

Waveband	Maximum transmission output
Short wave 3 - 54 MHz	100 W
4 m waveband 74 - 78 MHz	30 W
2 m waveband 144 - 174 MHz	50 W
Trunked radio/Tetra 380 - 460 MHz	10 W
70 cm waveband 400 - 460 MHz	35 W
Mobile communications (2G/3G/4G)	10 W

The following can be used in the vehicle without restrictions:

- RF transmitters with a maximum transmission output of up to 100 mW
- RF transmitters with transmitter frequencies in the 380 - 410 MHz waveband and a maximum transmission output of up to 2 W (trunked radio/Tetra)
- Mobile telephones (2G/3G/4G)

There are no restrictions when positioning the aerial on the outside of the vehicle for the following wavebands:

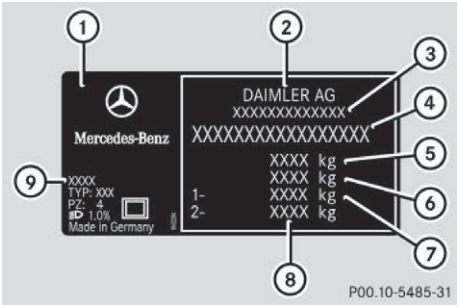
- Trunked radio/Tetra
- 70 cm waveband
- 2G/3G/4G

Identification plates

Vehicle identification plate with vehicle identification number (VIN)

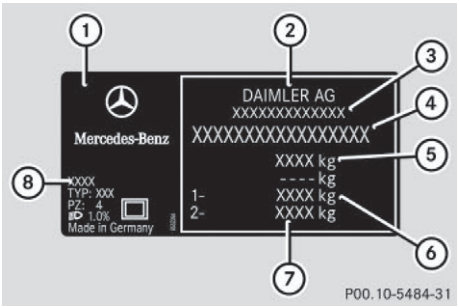


▶ Open the front right-hand door.
You will see vehicle identification plate ①.



Vehicle identification plate (example: vehicles with a trailer tow hitch)

① Vehicle identification plate
② Vehicle manufacturer (Daimler AG)
③ EU type approval number (only for certain countries)
④ VIN
⑤ Maximum permissible gross vehicle weight (kg)
⑥ Maximum permissible mass of vehicle/trailer combination (kg)
⑦ Maximum permissible front axle load (kg)
⑧ Maximum permissible rear axle load (kg)
⑨ Paint code

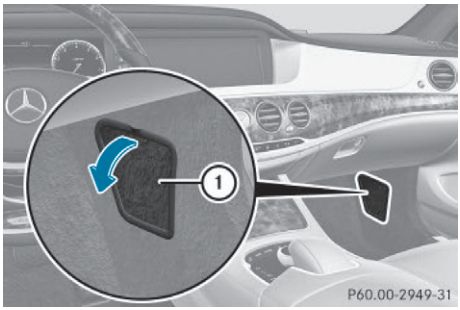


Vehicle identification plate (example: vehicles without a trailer tow hitch)

① Vehicle identification plate
② Vehicle manufacturer (Daimler AG)
③ EU type approval number (only for certain countries)
④ VIN
⑤ Maximum permissible gross vehicle weight (kg)
⑥ Maximum permissible front axle load (kg)
⑦ Maximum permissible rear axle load (kg)
⑧ Paint code

ⓘ The data shown on the vehicle identification plate is example data. This data is different for every vehicle and can deviate from the data shown here. You can find the data applicable to your vehicle on the vehicle's identification plate.

Vehicle identification number (VIN)



▶ Open the front right-hand door.
▶ Fold cover ① down and remove it. The VIN can be seen.

The VIN can also be found on the vehicle identification plate (▷ page 465).

Engine number

The engine number is stamped into the crankcase. You can obtain further information from any qualified specialist workshop.

Service products and capacities

Important safety notes

⚠ WARNING

Service product can be poisonous and hazardous to health. There is a risk of injury.

Observe the instructions on the respective original container when using, storing and disposing off service products. Always store service products in the sealed original container. Always keep service products out of the reach of children.

Environmental note

Dispose of service products in an environmentally-responsible manner.

Service products include the following:

- Fuels
- Exhaust gas aftertreatment additives, e.g. AdBlue®
- Lubricants (e.g. engine oil, transmission oil)
- Coolant
- Brake fluid
- Windscreen washer fluid
- Climate control system refrigerant

Components and service products must be matched. Only use products recommended by Mercedes-Benz. Damage which is caused by the use of products which have not been recommended is not covered by the Mercedes-Benz warranty or goodwill gestures. They are listed in this Mercedes-Benz Owner's Manual in the appropriate section.

You can identify service products approved by Mercedes-Benz by the following inscriptions on the container:

- MB-Freigabe (e.g. MB-Freigabe 229.51)
- MB-Approval (e.g. MB-Approval 229.51)

Other designations or recommendations indicate a level of quality or a specification in accordance with an MB Sheet Number (e.g. MB 229.5). They have not necessarily been approved by Mercedes-Benz.

Other identifications, for example:

- 0 W-30
- 5 W-30
- 5 W-40

You can obtain further information at any qualified specialist workshop or on the Internet at http://bevo.mercedes-benz.com.

Fuel

Important safety notes

WARNING

Fuel is highly flammable. If you handle fuel incorrectly, there is a risk of fire and explosion.

You must avoid fire, naked flames, creating sparks and smoking. Switch off the engine and, if applicable, the auxiliary heating before refuelling.

WARNING

Fuels are poisonous and hazardous to health. There is a danger of injury.

Do not swallow fuel or let it come into contact with skin, eyes or clothing. Do not inhale fuel vapours. Keep fuels out of the reach of children.

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

- Wash the fuel off any affected areas of skin with water and soap immediately.
- If you get fuel in your eyes, rinse them thoroughly with clean water immediately. Seek immediate medical attention.
- If fuel is swallowed, seek immediate medical attention. Do not induce vomiting.
- Change any clothing that has come into contact with fuel immediately.

Tank capacity

Missing values were not available at the time of going to print.

Model	Total capacity
S 350 d **Mercedes-Maybach S 400 4MATIC**	
S 500 **S 500 4MATIC** **S 600** **Mercedes-Maybach S 500** **Mercedes-Maybach S 500 4MATIC** **Mercedes-Maybach S 600** **Mercedes-AMG S 65**	80.0 l
All other models	70.0 l

Model	Of which reserve fuel
S 350 d Mercedes-Maybach S 400 4MATIC	
Mercedes-AMG S 63 Mercedes-AMG S 63 4MATIC	Approx. 10.0 l
Mercedes-AMG S 65	Approx. 12.0 l
All other models	Approx. 8.0 l

Petrol

Fuel grade

! Do not use diesel to refuel vehicles with a petrol engine. Do not switch on the ignition if you accidentally refuel with the wrong fuel. Otherwise, the fuel will enter the fuel system. Even small amounts of the wrong fuel can result in damage to the fuel system and the engine. Notify a qualified specialist workshop and have the fuel tank and fuel lines drained completely.

! Only refuel using unleaded petrol with at least 95 ROZ, that conforms to the European standard EN 228 or E DIN or an equivalent specification.

Fuel of this specification may contain up to 10% ethanol. Your vehicle is suitable for use with E10 fuel. You may refuel your vehicle using E10 fuel.

Fuel that does not conform to EN 228 can lead to increased wear as well as damage to the engine and exhaust system.

! Only use the fuel recommended. Operating the vehicle with other fuels can lead to engine failure.

! Do not use the following:

- E85 (petrol with 85% ethanol)
- E100 (100% ethanol)
- M15 (petrol with 15% methanol)
- M30 (petrol with 30% methanol)
- M85 (petrol with 85% methanol)
- M100 (100% methanol)
- petrol with additives containing metal
- diesel

Do not mix such fuels with the fuel recommended for your vehicle.

Usually you will find information about the fuel grade on the pump. If you cannot find the label on the petrol pump, ask the filling station staff.

As a temporary measure, if the recommended fuel is not available, you may also use regular unleaded petrol with an octane rating of 91 RON. This may reduce engine performance and increase fuel consumption. Avoid driving at full throttle and sudden acceleration. Never refuel using fuel with a lower RON.

i In some countries, the available petrol may not be sufficiently low in sulphur. This fuel can temporarily produce unpleasant odours, especially on short journeys. As soon as sulphur-free fuel (sulphur content < 10 ppm) is used for refuelling, the odours are reduced.

Information on refuelling (▷ page 191).

Mercedes-AMG vehicles

! Only refuel using super unleaded petrol with at least 98 ROZ, that conforms to European standard EN 228 or an equivalent specification.

You can otherwise impair engine output or damage the engine.

Fuel of this specification may contain up to 10% ethanol. Your vehicle is suitable for use with E10 fuel. You may refuel your vehicle using E10 fuel.

! As a temporary measure, if the recommended fuel is not available, you may also use unleaded petrol with an octane rating of 95 RON. This may reduce engine performance and increase fuel consumption. As much as possible, avoid driving at full throttle.

! As a temporary measure, if the recommended fuel is not available, you may also use unleaded petrol in emergencies with an octane rating of 91 RON.

Doing so results in noticeably higher fuel consumption, and the engine power output is noticeably reduced. Avoid driving at full throttle.

If no fuel other than petrol with 91 RON or a lower grade is available, you should have the vehicle adapted to run on this fuel at a qualified specialist workshop.

Additives

! Operating the engine with fuel additives added later can lead to engine failure. Do not mix fuel additives with fuel. This does not include additives for the removal and prevention of residue build-up. Petrol must only be mixed with additives recommended by Mercedes-Benz. Observe the instructions for use in the product description. More information about recommended additives can be obtained from any Mercedes-Benz Service Centre.

Mercedes-Benz recommends that you use fuel brands that have additives.

The quality of the fuel available in some countries may not be sufficient. Residue could build up in the injection system as a result. In this case, in consultation with a Mercedes-Benz Service Centre, the petrol may be mixed with the cleaning additive recommended by Mercedes-Benz. Always observe the notes and mixing ratios specified on the container.

Diesel

Fuel grade

⚠ **WARNING**

If you mix diesel fuel with petrol, the flash point of this fuel mixture is lower than that of pure diesel fuel. When the engine is running, components in the exhaust system may overheat unnoticed. There is a risk of fire.

Never refuel with petrol. Never add petrol to diesel fuel.

! When refuelling, only use diesel fuel that conforms to the European standard EN 590 or is of equivalent quality. Fuel that does not conform to EN 590 can lead to increased wear as well as damage to the engine and exhaust system.

! Do not use the following:

- marine diesel
- heating oil
- bio-diesel
- vegetable oil
- petrol
- paraffin
- kerosene

Do not mix such fuels with diesel fuel and do not use any special additives. Otherwise, engine damage may occur.

! **Vehicles with diesel particle filters:** in countries outside the EU, only use low sulphur Euro diesel with a sulphur content of under 50 ppm. Otherwise, the emission control system could be damaged.

! **Vehicles without a diesel particle filter:** in countries where only diesel fuel with a high sulphur content is available, you will need to carry out your vehicle's oil change at shorter intervals. More information about the interval for oil change can be obtained from any qualified specialist workshop.

Usually you will find information about the fuel grade on the pump. If you cannot find the label on the petrol pump, ask the filling station staff.

Information on refuelling (▷ page 191).

Low outside temperatures

In winter months, diesel fuel with an improved cold flow quality is available. In Europe, the EN 590 standard defines various climate-dependent temperature categories. Malfunctions can be avoided by refuelling with diesel fuel that corresponds to the climatic specifications outlined in EN 590. At unusually low outside temperatures, it is possible that the flow characteristics of the diesel fuel could be insufficient. Accordingly, diesel fuel from warmer areas may not be suitable for operation in colder climatic conditions.

ⓘ Further information on country-specific fuel properties and fuel types with low-temperature resistance can be obtained from oil companies, e.g. at filling stations.

Fuel consumption information

Environmental note

CO_2 (carbon dioxide) is the gas which scientists believe to be principally responsible for global warming (the greenhouse effect). Your vehicle's CO_2 emissions are directly related to fuel consumption and therefore depend on:

- efficient use of the fuel by the engine
- driving style
- other non-technical factors, such as environmental influences, road conditions or traffic flow

You can minimise your vehicle's CO_2 emissions by driving carefully and having it serviced regularly.

The vehicle will use more fuel than usual in the following situations:

- at very low outside temperatures
- in urban traffic
- on short journeys
- in mountainous terrain
- when towing a trailer

Only for certain countries: you can find the current consumption and emission values of your vehicle in the COC documents (EU CERTIFICATE OF CONFORMITY). These documents are delivered with your vehicle.

The consumption figures were, in each case, based on the currently applicable version:

- for vehicles that comply with standards up to and including the EURO 4 standard, in accordance with EU Directive 80/1268/EEC
- for vehicles that comply with or exceed the EURO 5 standard, in accordance with Regulation (EC) No. 715/2007

Deviations from these values may occur under normal operating conditions.

AdBlue®

Important safety notes

AdBlue® is a water-soluble fluid for the exhaust gas aftertreatment of diesel engines. It is:

- non-toxic
- colourless and odourless
- non-flammable

If you open the AdBlue® tank, small amounts of ammonia vapour may be released.

Ammonia vapours have a pungent odour and are particularly irritating to the skin, to mucous membranes and to the eyes. You may experience a burning sensation in your eyes, nose and throat. You may also experience coughing and watery eyes.

Do not inhale any ammonia vapours that may be released. Only fill the AdBlue® tank in well-ventilated areas.

Low outside temperatures

AdBlue® freezes at a temperature of approximately -11 °C. The vehicle is delivered from the factory equipped with an AdBlue® preheating system. Winter operation can thus be guaranteed even at temperatures below -11 °C.

Additives

Only use AdBlue® in accordance with ISO 22241. Do not use additives with AdBlue® and do not dilute AdBlue® with water. This may destroy the BlueTEC exhaust gas aftertreatment system.

Purity

Impurities in AdBlue® (e.g. due to other service products, cleaning agents or dust) lead to:

- increased emission values
- damage to the catalytic converter
- engine damage
- malfunctions in the BlueTEC® exhaust gas aftertreatment system

Assuring the purity of AdBlue® is particularly important with respect to avoiding malfunctions in the BlueTEC exhaust gas aftertreatment system.

If AdBlue® is pumped out of the AdBlue® tank, e.g. during repair work, do not use this fluid to refill the tank. The purity of the fluid can no longer be guaranteed.

Capacities

Model	Total capacity
All models	25.5 l

Engine oil

General notes



When handling engine oil, observe the important safety notes on service products (▷ page 466).

The quality of the engine oil is decisive for the function and service life of an engine. After extensive tests, Mercedes-Benz approves engine oils that correspond to the current technical standard.

Therefore, only Mercedes-Benz approved engine oils may be used in Mercedes-Benz engines.

Further information on tested and approved engine oils can be obtained from any Mercedes-Benz Service Centre. Mercedes-Benz recommends that you have the oil change carried out at a qualified specialist workshop. Mercedes-Benz approval is indicated on the oil container by the inscription "MB-Freigabe" or "MB-Approval" and the corresponding designation, e.g. MB-Freigabe or MB-Approval 229.51.

You can call up an overview of approved engine oils on the Internet at http://bevo.mercedes-benz.com by entering the designation, e.g. 229.5.

The table shows which engine oils have been approved for your vehicle.

You can find the correct values for your model with the help of the VIN on the vehicle identification plate (▷ page 465).

Missing values were not available at the time of going to print.

Petrol engines: in certain countries, different engine oils can be used, provided that the maintenance intervals are reduced. For more information, please contact a qualified specialist workshop.

Petrol engines	MB-Freigabe or MB-Approval
All models	229.5

Diesel engines without a diesel particle filter	MB-Freigabe or MB-Approval
S 350 d (222.123)	

Diesel engines with a diesel particle filter	MB-Freigabe or MB-Approval
S 300 h S 350 d S 350 d 4MATIC	228.51, 229.31, 229.51, 229.52

Use only SAE 0W-40 or SAE 5W-40 engine oils for Mercedes-AMG vehicles.

If the engine oils listed in the table are not available, you may add the following engine oils until the next oil change:

- Petrol engines: MB-Freigabe or MB-Approval 229.1, 229.3 or ACEA A3
- Diesel engines: MB-Freigabe or MB-Approval 229.1, 229.3, 229.5 or ACEA C3

This must only be added once and the amount must not be greater than 1.0 l.

If the engine oils listed in the table are not available, you may add the following engine oils until the next oil change:

- MB Approval 229.1, 229.3 or ACEA A3

This must only be added once and the amount must not be greater than 1.0 l.

Capacities

The following values refer to an oil change, including the oil filter.

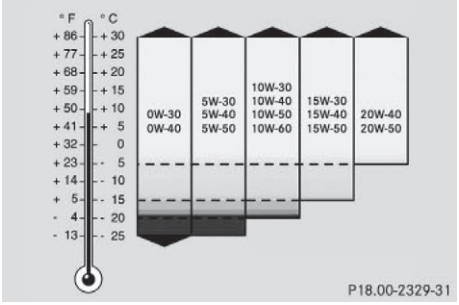
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Model	Replacement amount
S 300 h	7.0 l
S 350 d Mercedes-Maybach S 400 4MATIC	
S 320 S 400 S 400 4MATIC S 400 h S 500 e	6.5 l
S 600 Mercedes-Maybach S 600 Mercedes-AMG S 65	10.5 l
Mercedes-AMG S 63 Mercedes-AMG S 63 4MATIC	8.5 l
All other models	8.0 l

Additives

! Do not use any additives with the engine oil. This could damage the engine.

Engine oil viscosity



Viscosity describes the flow characteristics of a fluid. If an engine oil has a high viscosity rating, it flows slowly; the lower the viscosity, the faster it flows.

Engine oil selection is based on the respective outside temperatures and in accordance with the SAE classification (viscosity). The table shows you which SAE classifications are to be used. The low-temperature properties of engine oils can be significantly impaired during operation due to, for example, ageing or soot and fuel accretion. It is therefore strongly recommended to observe regular oil changes using an approved engine oil with the appropriate SAE classification.

Brake fluid

⚠ WARNING

The brake fluid continuously absorbs moisture from the air. This results in the boiling point of the brake fluid lowering. If the boiling point of the brake fluid is too low, vapour pockets may form when the brakes are subjected to a heavy load. This would impair braking efficiency. There is a risk of an accident.

Have the brake fluid renewed at the prescribed intervals.

When handling brake fluid, observe the important safety notes on service products (▷ page 466).

The brake fluid change intervals can be found in the Service Booklet.

Only use brake fluid approved by Mercedes-Benz in accordance with MB-Freigabe or MB-Approval 331.0.

Information about approved brake fluid can be obtained at any qualified specialist workshop or on the Internet at http://bevo.mercedes-benz.com.

ⓘ Have the brake fluid regularly replaced at a qualified specialist workshop and the replacement confirmed in the Service Booklet.

Coolant

Important safety notes

⚠ WARNING

If antifreeze comes into contact with hot components in the engine compartment, it may ignite. There is a risk of fire and injury.

Let the engine cool down before you top up the antifreeze. Make sure that antifreeze is not spilled next to the filler neck. Thoroughly clean the antifreeze from components before starting the engine.

! Only add coolant that has been premixed with the desired antifreeze protection. You could otherwise damage the engine.

Further information on coolants can be found in the Mercedes-Benz Specifications for Service Products, MB Specifications for Service Products 310.1, e.g. on the Internet at http://bevo.mercedes-benz.com. Or contact a qualified specialist workshop.

! Always use a suitable coolant mixture, even in countries where high temperatures prevail.

Otherwise, the engine cooling system is not sufficiently protected from corrosion and overheating.

i Have the coolant regularly replaced at a qualified specialist workshop and the replacement confirmed in the Service Booklet.

The coolant is a mixture of water and antifreeze/corrosion inhibitor. It is responsible for the following:

- anti-corrosion protection
- antifreeze protection
- raising the boiling point

If antifreeze/corrosion inhibitor is present in the correct concentration, the boiling point of the coolant during operation will be approximately 130 °C.

The antifreeze concentrate/corrosion inhibitor concentration in the engine cooling system should:

- be at least 50%. This will protect the engine cooling system against freezing down to approximately -37 °C.
- not exceed 55% (antifreeze protection down to -45 °C). Heat will otherwise not be dissipated as effectively.

Mercedes-Benz recommends an antifreeze/corrosion inhibitor concentrate in accordance with
MB Specifications for Service Products 310.1.

i When the vehicle is first delivered, it is filled with a coolant mixture that ensures adequate antifreeze and corrosion protection.

i The coolant is checked at every maintenance interval at a qualified specialist workshop.

Windscreen washer system

Important safety notes

⚠ **WARNING**

If windscreen washer concentrate comes into contact with hot components of the engine or the exhaust system, it can ignite. There is a risk of fire and injury.

Make sure the windscreen washer concentrate does not come into contact with the filler neck.

! Do not use distilled or de-ionised water in the washer fluid reservoir. Otherwise, the level sensor may be damaged.

! Only the washer fluids SummerFit and WinterFit can be mixed. Otherwise, the spraying nozzles could become blocked.

At temperatures above freezing:

▶ Fill the washer fluid reservoir with a mixture of water and washer fluid, e.g. MB SummerFit.

Mix 1 part MB SummerFit to 100 parts water.

At temperatures below freezing:

▶ Fill the washer fluid reservoir with a mixture of water and washer fluid, e.g. MB WinterFit.

For the correct mixing ratio refer to the information on the antifreeze reservoir.

i Add washer fluid concentrate, e.g. MB SummerFit or MB WinterFit, to the washer fluid all year round.

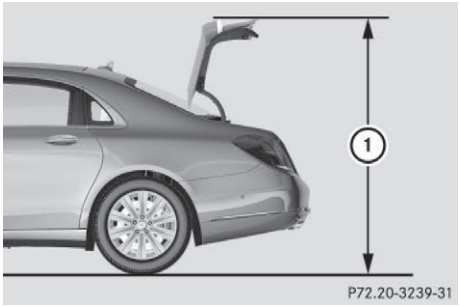
Vehicle data

General notes

Please note that for the specified vehicle data:

- the heights specified may vary as a result of:
  - tyres
  - load
  - condition of the suspension
  - optional equipment
- optional equipment reduces the maximum payload
- vehicle-specific weight information can be found on the vehicle identification plate (▷ page 465).
- 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

Dimensions and weights



Boot lid opening dimensions (example: Mercedes-Maybach)

Missing values were not available at the time of going to print.

Model	① Opening height
S 350 d 4MATIC Mercedes-Maybach S 400 4MATIC	
S 300 h S 350 d S 350 d 4MATIC S 400 h	1800 mm
S 400 S 600 Mercedes-Maybach S 500 Mercedes-Maybach S 500 4MATIC Mercedes-Maybach S 600	1806 mm
Mercedes-AMG vehicles	1808 mm
All other models	1803 mm

S-Class with a short wheel base

Mercedes-AMG vehicles	
Vehicle length	5157 mm
Vehicle height	1501 mm
Vehicle width including exterior mirrors	2130 mm
Vehicle width excluding exterior mirrors	1915 mm
Wheelbase	3035 mm
Maximum roof load	100 kg
Maximum boot load	100 kg

All other models	
Vehicle length	5116 mm
Vehicle width including exterior mirrors	2130 mm
Vehicle width excluding exterior mirrors	1899 mm
Wheelbase	3035 mm
Maximum roof load	100 kg
Maximum boot load	100 kg

Model	Vehicle height
S 400 4MATIC S 500 S 500 4MATIC	1496 mm
All other models	1493 mm

S-Class with a long wheel base

Missing values were not available at the time of going to print.

S 350 d	
Vehicle length	
Vehicle height	
Vehicle width including exterior mirrors	
Vehicle width excluding exterior mirrors	
Wheelbase	
Maximum roof load	
Maximum boot load	

Mercedes-AMG vehicles	
Vehicle length	5287 mm
Vehicle height	1499 mm
Vehicle width including exterior mirrors	2130 mm
Vehicle width excluding exterior mirrors	1915 mm
Wheelbase	3165 mm
Maximum roof load	100 kg
Maximum boot load, Mercedes-AMG S 65	
Maximum boot load, all other models	100 kg

All other models	
Vehicle length	5246 mm
Vehicle width including exterior mirrors	2130 mm
Vehicle width excluding exterior mirrors	1899 mm
Wheelbase	3165 mm
Maximum roof load	100 kg
Maximum boot load	100 kg

Models	Vehicle height
S 300 h S 350 d S 350 d 4MATIC S 400 h	1491 mm
S 400 S 600	1497 mm
All other models	1494 mm

High-voltage battery (S 500 e)	
Type	Lithium-ion
Energy content	
Nominal capacity	
Range in electric-only mode (according to NEDC)	
Charging time at16 A(using a charging station or wallbox)	
Charging time at8 A(using a mains socket)	

Mercedes-Maybach

Missing values were not available at the time of going to print.

Mercedes-Maybach S 400 4MATIC	
Vehicle length	
Vehicle height	
Vehicle width including exterior mirrors	
Vehicle width excluding exterior mirrors	
Wheelbase	
Maximum boot load	

All other models	
Vehicle length	5453 mm
Vehicle height	1498 mm
Vehicle width including exterior mirrors	2130 mm
Vehicle width excluding exterior mirrors	1899 mm
Wheelbase	3365 mm
Maximum boot load	100 kg

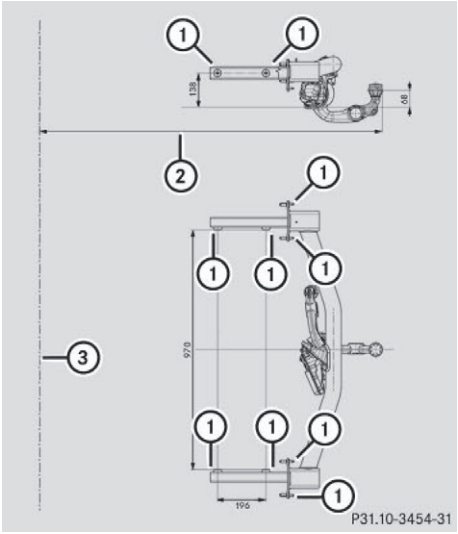
Trailer tow hitch

Mounting dimensions

Hybrid vehicles and PLUG-IN HYBRID vehicles: retrofitting a trailer tow hitch is not permissible.

All vehicles (except hybrid vehicles and PLUG-IN HYBRID vehicles): if you have a trailer tow hitch retrofitted, changes to the engine cooling system may be necessary, depending on the vehicle type.

If you have a trailer tow hitch retrofitted, observe the anchorage points on the chassis.



① Anchorage points for the trailer tow hitch
② Overhang dimension
③ Rear axle centre line

Towing a trailer is not possible with all models. For further information, see (▷ page 286).

All models with trailer tow hitch (except S 320 and S 400): for trailer tow hitches fitted at the factory, the overhang dimension including protective covering is 1294 mm.

Values for the S 320 and S 400 models were not available at the time of going to print.

Trailer loads

Use a drawbar noseweight as close as possible to the maximum permissible noseweight. Do not use a noseweight of less than 50 kg, as the vehicle/trailer combination may otherwise become unstable. Note that the payload and the rear axle load are reduced by the actual noseweight.

Towing a trailer is not possible with all models. For further information, see (▷ page 286).

There were values missing for the S 320, S 400 and S 600 models that were not available at the time of going to print.

	All models with trailer tow hitch
Permissible trailer load, unbraked	750 kg
Permissible trailer load, braked (at a minimum gradient-climbing capability of8%from a standstill)	2100 kg
Permissible trailer load, braked (at a minimum gradient-climbing capability of12%from a standstill)	2100 kg
Maximum drawbar noseweight (the drawbar noseweight is not included in the trailer load)	85 kg

However, the actual noseweight must not exceed the value given on the trailer tow hitch identification plate. In addition, a distinction should be made between towing a trailer and using a carrier system on the ball coupling of the trailer tow hitch.

Note also that the payload and the rear axle load are reduced by the actual noseweight.

You can attach carrier systems, e.g. bicycle racks or load-bearing implements, on the ball coupling. The maximum noseweight of 75 kg applies when using carrier systems on the ball coupling.

Permissible rear axle load when towing a trailer

Towing a trailer is not possible with all models. For further information, see (▷ page 286).

Missing values were not available at the time of going to print.

	Short wheelbase	Long wheelbase
S 500	1570 kg	1580 kg
S 350 d	1565 kg	1575 kg
S 350 d 4MATIC	1580 kg	1580 kg
S 400 4MATIC	1560 kg	1575 kg
S 500 4MATIC	1565 kg	1580 kg

	Long wheelbase
S 320	
S 350 d	
S 400	

Publication details

Internet

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

http://www.mercedes-benz.com

http://www.daimler.com

Editorial office

You are welcome to forward any queries or suggestions you may have regarding this Owner's Manual to the technical documentation team at the following address:

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Vehicle manufacturer

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Germany

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