

After quitting the emergency guide display on the multimedia system, a prompt appears asking whether you wish to get support from the Mercedes-Benz Customer Centre.

▶ **Select Call.**

- After your agreement, or if the Mercedes me connect service "Accident and Breakdown Management" is active, the vehicle data is transferred automatically (→ page 404).

- The Mercedes-Benz Customer Centre takes your call and organises the breakdown and accident assistance.

You may be charged for these services.

- ❗ Depending on the severity of the accident, an automatic emergency call can be initiated. This has priority over all other active calls.

- ❗ In addition, if the Mercedes me connect service "Telediagnosics" is active, a similar prompt can appear after a delay in the event of a breakdown. If you are already in contact with the Mercedes-Benz Customer Centre or

have already received support, this prompt can be ignored or declined.

- ❗ If you answer the prompt for support from the Mercedes-Benz Customer Centre with **Call later**, the message will be hidden and appear again later.

The prompt triggered by the Mercedes me connect service "Telediagnosics", can either be confirmed or declined. After being declined, this will not be shown again.

▶ **Arranging a service appointment via a Mercedes me call**

If you have activated the maintenance management service, relevant vehicle data is transferred automatically to the Mercedes-Benz Customer Centre. You will then receive individual recommendations regarding the maintenance of your vehicle.

Regardless of whether you have consented to the maintenance management service, the multimedia system reminds you after a certain amount of time that a service is due. A prompt appears asking if you would like to make an appointment.

▶ **To arrange a service appointment: select Call.**

After your agreement, the vehicle data is transferred and the customer centre takes your preferred appointment date. The information is then sent to your desired service outlet.

This will contact you to confirm the appointment and if necessary consult about the details.

- ❗ If you select **Call later** after the service message appears, the message is hidden and reappears at a later time.

▶ **Giving consent to data transfer during a Mercedes me call Requirements:**

- There is an active Mercedes me call via the multimedia system or the me button in the overhead control panel.

- ❗ The prompt to confirm data transfer does not appear in all countries.

If the accident and breakdown service and Mercedes me connect Concierge Service (if

402 MBUX multimedia system

available) are not activated on Mercedes me, the Do you want to transmit vehicle data and the vehicle's position to the Mercedes-Benz Customer Centre in order to improve the processing of your request? message appears.

▲ Select Yes.

Relevant identification data is transmitted automatically.

More information on Mercedes me: <http://www.mercedes.me>

Transferred data during a Mercedes me call
If you initiate a service call using Mercedes me, data is transferred to enable targeted advice and an efficient service.

The following requirements must be fulfilled for the transfer of the data:

- The ignition is switched on.
- The required data transfer technology is supported by the mobile service operator.
- The quality of the mobile connection is sufficient.

Multi-stage transfer depends on the following factors:

- Reason for the initiation of the call
- The available mobile phone transmission technology.
- The activated Mercedes me connect services.
- The service selected in the voice control system.

i A prompt for consent to the data transmission only occurs if the corresponding Mercedes me connect service is not activated.

Data transfer if Mercedes me connect services are not activated

If no Mercedes me connect services are activated and the data protection prompt has been confirmed the following data is transmitted:

- Vehicle identification number
- Time of the call
- Reason for the initiation of the call
- Confirmation of the data protection prompt

- Country indicator of the vehicle
- Set multimedia systems
- Telephone number of the communication platform installed in the vehicle

If a call is made for a service appointment via the service reminder, the following data is also transmitted:

- Current mileage and maintenance data

If a call is made after automatic accident or breakdown detection using the multimedia system, the following data is also transmitted:

- Current mileage and maintenance data
- Current vehicle location

If Accident and Breakdown Management is called via the voice control system and no service has been activated, but the data protection query has been confirmed, the following data can also be called up from the vehicle by the Mercedes-Benz Customer Centre:

- Current vehicle location

If the data protection prompt has been rejected, the following data is transmitted to enable targeted advice and an efficient service:

- Reason for the initiation of the call
- Rejection of the data protection prompt
- Country indicator of the vehicle
- Set language for the multimedia system
- Telephone number of the communication platform installed in the vehicle

Data transfer if Mercedes me connect services are activated

Only if the respective service is activated will additional incident-specific data be transmitted in the second stage to enable an optimal service.

An overview of the data transmitted can be found in the respective terms of use for Mercedes me connect services. These can be obtained in the Mercedes me Portal: <https://me.secure.mercedes-benz.com>

Data processing

The data transmitted within the scope of the call is deleted from the processing system after the

call is finished, in so far as this data is not being used for other activated Mercedes me connect services.

The incident-specific data is processed and stored in the Mercedes-Benz Customer Centre and, if required to process the incident, forwarded to the service partner authorised by the Mercedes-Benz Customer Centre. Please take note of the data protection information on the Mercedes me Internet page at <https://www.mercedes.me> or in the recorded message immediately after calling the Mercedes-Benz Customer Centre.

- i** The recorded message is not available in every country.

Mercedes me connect

Information on Mercedes me connect

- i** Mercedes me connect or individual Mercedes me connect services are not available in every country. Find out at a Mercedes-Benz service centre if these functions are available in your country.

Mercedes me connect consists of multiple services.

Depending on whether the services are activated and on the vehicle equipment, you can use the following services via the multimedia system and the overhead control panel, for example:

- Accident and Breakdown Management (me button or situation-dependent display in the multimedia system)
- Concierge Service (me button)
- Mercedes-Benz emergency call system (automatic emergency call and SOS button)

Mercedes me connect Accident and Breakdown Management, the Mercedes me connect Concierge Service (if service is available and activated) and the Mercedes-Benz emergency call centre are available for you around the clock.

The me button and the SOS button can be found on the vehicle's overhead control panel (→ page 399).

You can also call the Mercedes-Benz Customer Centre using the multimedia system (→ page 400).

404 MBUX multimedia system

Please note that Mercedes me connect is a Mercedes-Benz service. In emergencies, initially call the standard national emergency service telephone numbers. In emergencies, you can also use the Mercedes-Benz emergency call system (→ page 408).

Observe the conditions of use for Mercedes me connect and other services. These can be obtained in the Mercedes me Portal: <https://me.secure.mercedes-benz.com>

Further information about Mercedes me connect, the provided service scope and operation: https://moba.i.daimler.com/markets/ece-row/baix/cars/connectme/en_GB/#emotions/Startseite.html

Information on Mercedes me connect Accident and Breakdown Management

The Accident and Breakdown Management can include the following functions:

- Supplement to the Mercedes-Benz emergency call system (→ page 408)
If necessary, the contact person at the Mercedes-Benz emergency call centre forwards the call to Mercedes me connect

breakdown and accident management. Forwarding the call is however not possible in all countries.

- Breakdown assistance by a technician on location and/or the towing away of the vehicle to the nearest Mercedes-Benz service centre

You may be charged for these services.

- Addition to the emergency guide after automatic accident or breakdown detection (→ page 400)

In the event of a breakdown or accident, further data about the status of the vehicle is sent which enables optimal support by the Mercedes-Benz Customer Centre and the authorised service partner or breakdown assistance.

- Addition to the Mercedes me connect service Telediagnosics

With the Telediagnosics function, specific wear and failure reports are recorded by the service provider, in so far as these can be clearly interpreted and are available through

the monitoring of components that are subject to diagnostics.

Should vehicle conditions indicate a breakdown or an impending breakdown, after stopping the vehicle you could receive a request via the multimedia system to contact the Mercedes-Benz Customer Centre in order to receive assistance.

- These services are subject to technical restrictions such as the mobile phone coverage, mobile network quality and the ability of the processing systems to interpret the transferred data. In some circumstances, this can result in delays or the failure of the information to appear in the multimedia system.

More information about Mercedes me connect services can be obtained in the Mercedes me Portal: <https://me.secure.mercedes-benz.com>

Data transferred during Mercedes me connect call services

The data transferred during a Mercedes me connect call depends on the reason the call was initiated, which service is selected in the voice

control system and which Mercedes me connect services are activated.


Which data is transferred for the services can be taken from the currently valid terms of use. These can be obtained in the Mercedes me portal: <https://me.secure.mercedes-benz.com>

Mercedes me and apps

Information about Mercedes me

When you log in with a user account to the Mercedes me Portal, then services and offers from Mercedes-Benz will be available to you. Availability is country-dependent.

For more information consult a Mercedes-Benz service centre or visit the Mercedes me Portal: <http://me.secure.mercedes-benz.com>

-  Make sure you always keep the Mercedes me apps updated.

Calling up the Mercedes me user account

Multimedia system:


- 
 Mercedes me & Apps

Your vehicle is linked to the user account

-  Select Mercedes me.


Information about the connected user account appears.

Your vehicle is not yet connected with a user account

-  If you do not yet have a Mercedes me user account, you can set up a user account via the Mercedes me Portal or using the Mercedes me app with your mobile phone.

-  Select Mercedes me.

Follow the instructions on the central display to link the user account with the vehicle.

-  If the Mercedes me app is available on a mobile phone, the vehicle connection can be accomplished using the QR code shown.

Calling up the Mercedes me services

Requirements:

- The vehicle is connected with the user account.

Multimedia system:

- 
 Mercedes me & Apps

-  Select My services.

You can see the Mercedes me services in alphabetical order that you have already purchased and also those still available to purchase.

To activate or deactivate the services, log in to your user account in the Mercedes me Portal or in the Mercedes me app using your mobile phone.

Deleting a connection between a user account and the vehicle

Requirements:

- The (vehicle) profile of the user account that was first connected with the vehicle is selected.
- The profile is synchronised (→ page 298).
- A PIN has been set.

406 MBUX multimedia system

Multimedia system:


→  → Mercedes me & Apps

→ Mercedes me

▶ Select My Mercedes me Account.

▶ Select Delete vehicle connection.

▶ Enter the PIN of the connected user account.

 Only the user, whose user account was first connected with the vehicle can delete the connection between all user accounts and the vehicle.

Mercedes-Benz emergency call system

Information on available emergency call systems

Two types of emergency call system are available to you in the vehicle:

- Mercedes-Benz emergency call system

- 112 emergency call system (EU eCall)

The Mercedes-Benz emergency call system is not available in all countries. You can find more information on the regional availability of eCall at: <https://www.mercedes-benz-mobile.com/extra/ecall/>

The following applies for both emergency call systems:

- The transfer of specific data is required for the intended function of both emergency call systems. This will be explained in the "Data transfer" section (→ page 409).
- Both emergency call systems are included as standard equipment in your vehicle and are activated at the factory.
- The use of both emergency call systems is exempt from charges.

- Both emergency call systems only function in areas in which the wireless service providers offer mobile phone coverage.

For both systems, insufficient network coverage from the wireless service providers can result in an emergency call not being transmitted.

Differences between the Mercedes-Benz emergency call system and the 112 emergency call system (EU eCall)

| Mercedes-Benz emergency call system | 112 emergency call system (EU eCall) |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> • The Mercedes-Benz emergency call system is permanently logged in to the mobile phone network. • Automatic and manual Mercedes-Benz emergency calls are transmitted to a Mercedes-Benz emergency call centre. <p>In the event that the emergency call centre of the Mercedes-Benz emergency call system cannot be reached (e.g. due to a lack of network coverage), the 112 emergency call is carried out automatically.</p> | <ul style="list-style-type: none"> • If you decide on the 112 emergency call system (EU eCall) only, then the system only logs in to the mobile phone network after the triggering of a manual or automatic emergency call. • The 112 emergency call system (EU eCall) transmits automatic and manual emergency calls directly to public coordination centres. |

i The 112 emergency call system (EU eCall) in your vehicle meets the delegated regulation EU 2017/79. Proper and full functionality of the 112 emergency call system (EU eCall) depends on circumstances beyond the influence of Daimler AG. This includes mobile network coverage and the technical infrastructure of the public reception centres in the respective countries.

i Please observe that in the event of a repair genuine Mercedes-Benz batteries must be used which have been certified pursuant to the delegated regulation EU 2017/79

(Appendix I). Other manufacturers are also permitted provided their batteries are certified according to the delegated regulation EU 2017/79.

There is the option of deactivating the Mercedes-Benz emergency call system and using only the 112 emergency call system (EU eCall). Contact address for carrying out deactivation of the Mercedes-Benz emergency call system are the local dealers.

Mercedes-Benz recommends the activation of the Mercedes-Benz emergency call system for the following reasons:

- In emergency situations when abroad, you can also get support in a language you speak.
- Several transmission technologies are used to accelerate the transfer of the accident data and improve reliability of the transmission.
- The Mercedes-Benz emergency call system is permanently logged in to the mobile phone

network, which ensures faster placement of the emergency call and faster transfer of the accident data.

Measures for rescue, recovery or towing away can then be initiated in quickly.

- With a Mercedes-Benz emergency call, the accident data is only transferred to the public coordination centre with the approval of the customer.

In the event of an automatically triggered emergency call in which there is no voice contact, the accident data is transmitted immediately to the public emergency call centre.

- Should the Mercedes-Benz emergency call centre not be available, the 112 emergency call is carried out automatically.

Overview of emergency call systems

Both the Mercedes-Benz emergency call system as well as the 112 emergency call system (EU eCall) can help to reduce the time between an accident and the arrival of emergency services at the site of the accident. They help locate an

accident site in places that are difficult to access.

Both emergency call systems can initiate an emergency call automatically (→ page 408) or manually.

Only make emergency calls if you or others are in need of rescue. Do not make an emergency call in the event of a breakdown or a similar situation.

Messages on the display


The following messages appear in the display of both emergency call systems:


- **SOS NOT READY:** the ignition is not on or eCall is not available. This does not necessarily indicate complete failure of the emergency call system. Emergency calls call still be transmitted.

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

The functional readiness of the emergency call system on the vehicle can be seen when

the **SOS NOT READY** display disappears once the ignition is switched on.

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

 If there is an emergency call system malfunction (e.g. a fault in the loudspeaker, microphone, airbag, SOS button) a relevant message appears in the driver display of the instrument cluster.

Triggering an automatic emergency call

Requirements:

- The ignition is switched on.
- The starter battery is sufficiently charged.

Both the Mercedes-Benz emergency call system as well as the 112 emergency call system (EU eCall) automatically initiate an emergency call in the following situations:

- After activation of the restraint systems such as airbags or seat belt tensioners after an accident.
- After an automatically initiated emergency stop by Active Emergency Stop Assist.

The emergency call has been made:

- A voice connection is established with the emergency call centre.
- A message with accident data is transmitted to the emergency call centre.

The SOS button in the overhead control panel flashes until the emergency call is finished. If no connection can be made to the public emergency services, a corresponding message appears in the display.

▶ Dial the **112** emergency number or an appropriate local emergency call number on your mobile phone.

- Remain in the vehicle if the road and traffic conditions permit you to do so until a voice connection is established with the emergency call centre.
- On the basis of the call, the emergency call centre decides whether it is necessary to call

rescue teams and/or the police to the accident site.

- If no vehicle occupant answers, an ambulance is sent to the vehicle immediately.

Triggering a manual emergency call

▶ **To use the SOS button in the overhead control panel:** press the SOS button at least one second long .

or

▶ **To use the voice control:** use the voice commands of the MBUX Voice Assistant .

The emergency call has been made:

- A voice connection is established with an emergency call centre.
- Remain in the vehicle if the road and traffic conditions permit you to do so until a voice connection is established with the emergency call centre.
- On the basis of the call, the emergency call centre decides whether it is necessary to call

rescue teams and the police to the accident site.

- A message with accident data is transmitted to the emergency call centre.

If no connection can be made to the public emergency services, a corresponding message appears in the central display.

▶ Dial the **112** emergency number or an appropriate local emergency call number on your mobile phone.

Emergency call system data transmission


For both the Mercedes-Benz emergency call system as well as the 112 emergency call system (EU eCall) data is transferred to the Mercedes-Benz emergency call centre or the public emergency services call centre.

Depending on the emergency call system (→ page 406) activated different data is transmitted to the appropriate emergency call centre.

4.10 MBUX multimedia system


Transmitted data according to activated emergency call system:

| Mercedes-Benz emergency call | 112 emergency call |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none">• Position data of the vehicle• Position data on the route (a few 100 m before the incident)• Direction of travel• Vehicle identification number• Drive type of the vehicle (e.g. petrol, diesel, CNG, LPG, electric or hydrogen)• Number of people determined to be in the vehicle• Whether the emergency call was initiated manually or automatically• Time of the accident• Language setting on the multimedia system• Whether Mercedes me connect is available or not <p>This is a requirement for the option of forwarding the call to the Mercedes-Benz Customer Centre if necessary.</p> | <ul style="list-style-type: none">• Position data of the vehicle• Position data on the route (a few 100 m before the incident)• Direction of travel• Vehicle identification number• Drive type of the vehicle (e.g. petrol, diesel, CNG, LPG, electric or hydrogen)• Number of people determined to be in the vehicle• Whether the emergency call was initiated manually or automatically• Time of the accident |

 If only the 112 emergency call system (EU eCall) is activated in the vehicle, the accident data is transmitted directly to the public emergency call centre.

For accident clarification purposes, the following measures can be taken up to an hour after the emergency call has been initiated:

- The current vehicle position can be determined.
- A voice connection to the vehicle occupants can be established.
- Emergency call data can be called up.

 For Russia: various functions, e.g. receiving traffic information, cannot be performed for up to two hours after sending an emergency call.

Function of the emergency call system self-diagnosis (Russia)

Your car verifies the operability of the emergency call system each time the ignition is ON. In case of system failure, you will be informed with text message on the instrument cluster and with red indicator **SOS NOT READY** on the display.

Please, make sure, that during 30 seconds after switching ignition ON the red indicator **SOS NOT READY** in the upper right corner of display

is switched OFF, this means the emergency call system passed diagnostics successfully.

Starting/ending ERA-GLONASS test mode (Russia)

Requirements:

- The starter battery is sufficiently charged.
- The ignition is switched on.
- The vehicle has been stationary for at least one minute.

 **To start the test mode:** press and hold the  button on the multifunction steering wheel for at least five seconds.

The test mode is started and automatically ends after the language test has been performed.

 **To end the test mode manually:** switch off the ignition.

The test mode is ended.

Information on data processing

Processing of personal data via the Mercedes-Benz emergency call system

All processing of personal data via the Mercedes-Benz emergency call system corresponds with the specifications in the EU Regulation 2016/679 "on the protection of individuals with regard to the processing of personal data (GDPR)".

The data is solely used by the Mercedes-Benz emergency call system for rescue and recovery in the event of an accident.

The owner of a vehicle, that is equipped with a Mercedes-Benz emergency call system in addition to the 112 emergency call system (EU eCall), has the right to use the 112 emergency call system instead of the Mercedes-Benz emergency call system.

Contact address for carrying out deactivation of the Mercedes-Benz emergency call system are the local dealers.

Processing of personal data via the 112 emergency call system (EU eCall)

All processing of personal data via the 112 emergency call system (EU eCall) corresponds with the specifications in the EU Regulation 2016/679 "on the protection of individuals with regard to the processing of personal data (GDPR)" and is based particularly on the necessity of upholding the vital interests of the affected person in accordance with Article 6, Clause 1, Letter d of the GDPR.

The processing of this type of data is strictly limited to the purpose of operating the emergency calls to the standard European emergency call number 112.

Data recipient

The recipients of data that is processed using the 112 emergency call system (EU eCall) are the relevant emergency call inquiry terminals that are specified to first receive and handle emergency calls to the standard European emergency call number 112 by the respective country authorities in whose territory you are located.

Arrangements for data processing

Both emergency call systems are designed so that the following requirements are fulfilled:

- The data contained in the system memory is not accessible outside the system prior to the initiation of an emergency call.
- Both emergency call systems cannot be traced and there is no continuous tracking in normal operation.
- The data in the system's internal memory is automatically and continuously deleted.
- The location data of the vehicle is continuously overwritten in the system's internal memory, so that no more than the last three current locations required for the normal function of the system are available.
- The record of the activity data of both emergency call systems is only kept for as long as is required to fulfil the purpose of handling the emergency call, and under no circumstances for more than 13 hours after the time that an emergency call is initiated.

Rights of persons affected by the data processing

The person affected by the data processing (the vehicle owner) has the right to access the data and if applicable can demand the correction, deletion or barring of data that affects him or her and that the processing of which does not correspond with the GDPR regulations. Each correction, deletion or barring carried out according to this regulation must be shared with the third party to which the data has been transmitted, provided this does not prove to be infeasible and does not incur disproportionate expenditure.

The person affected by the data processing has the right to complain to the appropriate data protection authority should they be of the opinion that their rights have been infringed by the processing of their personal data.

Responsible contact point for the processing of access rights: Konzernbeauftragter für den Datenschutz, Daimler AG, HPC G353, D-70546 Stuttgart, Germany

Online and Internet functions

Internet connection

Information on connecting to the Internet

▲ WARNING Risk of distraction from information systems and communications equipment

If you operate information and communication equipment integrated in the vehicle when driving, you will be distracted from the traffic situation. This could also cause you to lose control of the vehicle.

- ▲ Only operate this equipment when the traffic situation permits.
- ▲ If you cannot be sure of this, stop the vehicle whilst paying attention to road and traffic conditions and operate the equipment with the vehicle stationary.

You must observe the legal requirements for the country in which you are currently driving when operating the multimedia system.

▲ WARNING Risk of an accident from operating mobile communication equipment while the vehicle is in motion

Mobile communications devices distract the driver from the traffic situation. This could also cause the driver to lose control of the vehicle.

- ▲ As the driver, only operate mobile communications devices when the vehicle is stationary.
- ▲ As a vehicle occupant, only use mobile communications devices in the areas intended for this purpose, e.g. in the rear passenger compartment.

You must observe the legal requirements for the country in which you are currently driving when operating mobile communication equipment in the vehicle.

Depending on the vehicle's equipment and availability in the country, you can establish an Internet connection in the following ways:

- **Vehicles with a communication module:**

- Using the communication module including data roaming
- Using Bluetooth® or Wi-Fi with a data-enabled mobile phone
- **Vehicles without a communication module:**
 - Using Bluetooth® with a data-enabled mobile phone
 - Using Wi-Fi with a data-enabled mobile phone

- **Vehicles with "car telephony" equipment:** using the data-enabled car phone or the data-enabled SIM card (→ page 416)

The Internet functions can only be used to a limited degree whilst driving.

Setting up an Internet connection using the communication module

- **Requirements:**
 - The vehicle is equipped with a permanently installed communication module.
 - A Mercedes me account is available.

4.14 MBUX multimedia system

Multimedia system:

- ➔  ➔ Settings ➔ System
- ➔ Internet and Bluetooth ➔ Internet

▶ Select **Establishing Internet connection...**
Mercedes me connect in the Internet device manager.

For most Mercedes me connect services, data volume is available when purchasing the services.

To use some functions, e.g. web browser, Internet Radio or Wi-Fi hotspot, additional data volume is required.

If the data volume limit is reached, the availability of Mercedes me connect services is limited. The data volume can be purchased **directly from a mobile phone network provider** via the Mercedes me Portal.

❗ Visit a Mercedes-Benz service centre to find out whether it is possible to purchase data volume in your country **directly from a mobile phone network provider**.

❗ Alternatively, and if available, you can utilise the tethering function of a mobile phone via

Wi-Fi or Bluetooth® to use the web browser, Internet radio or Wi-Fi hotspot.

Automatic Internet connection via communication module

Requirements:

- Wi-Fi - or Bluetooth® tethering or car telephony are available in the vehicle.

Multimedia system:

- ➔  ➔ Settings ➔ System
- ➔ Internet and Bluetooth ➔ Internet

▶ Select **Establishing Internet connection...**
Mercedes me connect.

▶ Select settings  in the line of **Establishing Internet connection...** Mercedes me connect.

▶ **To always connect automatically:** activate the **Connect automatically** option.



The communication module is always used for the Internet connection. The data volume that has been purchased directly from a mobile phone network provider via the Mercedes me Portal is used.

❗ If other Wi-Fi - or Bluetooth® devices are listed for selection in the Internet device manager, these can be selected manually for Internet use regardless of the activated setting **Connect automatically**.

Please note that despite the activated setting **Connect automatically**, a previously connected Wi-Fi - or Bluetooth® device can be connected automatically as this has been prioritised by the system.

▶ **To connect manually:** deactivate the **Connect automatically** option.

The communication module is shown in the Internet device manager as an available option for Internet use but it is not connected automatically. Other devices, if available, will be listed higher for selection as hotspot in the Internet device manager. The deactivated option allows the use of purchased data volume to be limited.

-  If you wish to select the communication module for a single Internet sitting, you can tap on the hotspot **Establishing Internet connection...**. **Mercedes me connect** in the Internet device manager without activating the **Connect automatically** setting.
-  If the Internet connection in the vehicle is only supported using the communication module, the **Connect automatically** option is not available.

Setting up an Internet connection via Wi-Fi
Requirements:

- the Wi-Fi function is activated on the multimedia system (→ page 324).
- the Wi-Fi function is activated on the mobile phone (see the manufacturer's operating instructions).
- Internet access via Wi-Fi is activated (see the manufacturer's operating instructions).



The Internet connection via Wi-Fi is restricted or does not function if:


- the mobile phone is switched off

- mobile data use is deactivated on the mobile phone
- the Wi-Fi function is deactivated on the multimedia system
- the Wi-Fi function is deactivated on the mobile phone
- Internet access via Wi-Fi is deactivated on the mobile phone

Multimedia system:

- 
 - 
 -  Settings
 -  System
 -  Internet and Bluetooth
 -  Set up Internet
 -  Search hotspots

 **The mobile phone is listed in the Internet device manager:** select the mobile phone with the  Wi-Fi symbol.

 **The mobile phone is not listed in the Internet device manager:** select **Search hotspots**.

Select the network.


 Log in to the Wi-Fi network (→ page 324).


Setting up an Internet connection via Bluetooth®
Requirements:

- The mobile phone supports the Bluetooth® profile PAN (**Personal Area Network**).
- The mobile phone is connected to the multimedia system via Bluetooth® (→ page 372).


Multimedia system:

- 
 -  Settings
 -  System
-  Internet and Bluetooth
-  Set up Internet

 **The mobile phone is listed in the Internet device manager:** select the mobile phone with the Bluetooth® symbol .

 **The mobile phone is not listed in the Internet device manager:** select **Search hotspots**.

Connect the mobile phone using Bluetooth®.

 If a new mobile phone is connected using Bluetooth®, this is also used for the telephone application.

416 MBUX multimedia system

The Internet connection via Bluetooth® is restricted or does not function in the following cases:

- the mobile phone is switched off
- the mobile phone network coverage is insufficient
- mobile data use is deactivated on the mobile phone
- the Bluetooth® function on the multimedia system is switched off and the mobile phone is to be connected via Bluetooth®
- the Bluetooth® function is switched off on the mobile phone and the mobile phone is to be connected via Bluetooth®
- neither the mobile phone network nor the mobile phone allow simultaneous use of a telephone and an Internet connection
- the mobile phone has not been enabled for Internet access via Bluetooth®

Setting up an Internet connection using car telephony

Requirements:

- For use with a mobile phone:

- The mobile phone supports the Bluetooth® SAP profile (**SIM Access Profile**) (see manufacturer's operating instructions).
- The mobile phone is switched on.
- The mobile phone is only connected as an SAP telephone and not in the Hands-Free Profile.
- **Using a SIM card:**
 - A SIM card is inserted in the card slot in the telephone module .
 - The SIM card PIN is entered in the multimedia system.

Multimedia system:

- ➔  ➔ Settings ➔ System
- ➔ Internet and Bluetooth ➔ Internet
- ➔ Known hotspots:

- ▶ Select the car telephone from the list of the Internet device manager.

Changing the configuration of the car telephone for the Internet connection

Requirements:

- **For use with a mobile phone:**
 - The mobile phone supports the Bluetooth® SAP profile (**SIM Access Profile**) (see manufacturer's operating instructions).
 - The mobile phone is switched on.
 - The mobile phone is only connected as an SAP telephone and not in the Hands-Free Profile.

- **For use with a SIM card:**

- A SIM card is inserted in the card slot in the telephone module .
- The SIM card PIN is entered in the multimedia system.

Multimedia system:

- ➔  ➔ Settings ➔ System
- ➔ Internet and Bluetooth ➔ Internet
- ➔ Known hotspots:

- ▶ Select Options for the car telephone.
- ▶ Select [Change configuration](#).

▶ **To select the predefined access data of the mobile phone network provider:** select [Change provider settings](#).

▶ Check the access data in the overview. If the mobile phone network provider is recognised correctly, the correct settings are already entered. If the settings cannot be filled automatically, a list appears for manual selection of a mobile phone network provider.

▶ **To manually set the access data of the mobile phone network provider:** select the desired mobile phone network provider from the list.

❗ If no mobile phone network providers are recognised, empty fields appear for setting options which you should fill manually.

▶ Confirm the saving of the changes.

❗ To avoid possible additional costs, set the access data in the configuration settings, e.g. the [Roaming permitted](#) option, according to your data tariff. You can contact your mobile phone network provider to obtain the precise access data.

❗ Only for connections using the Bluetooth® SAP profile: if you use a mobile phone to provide the mobile hotspot for the vehicle, this telephone will no longer have any telephony and Internet functions and it cannot receive any more mobile phone data. To continue to use Internet functions on the mobile phone, you can connect it with the vehicle hotspot. In this way, the mobile phone accesses its own mobile phone data again, albeit using Wi-Fi. For this reason, to avoid possible additional costs, switch off the automatic download of software updates via Wi-Fi on your mobile phone.

Canceling Internet access permission for a mobile phone

Multimedia system:

▶ ▶ [Settings](#) ▶ [System](#)
▶ [Internet and Bluetooth](#) ▶ [Set up](#)
▶ [Internet](#)

▶ Select options next to the name of the mobile phone.

▶ Select [Delete configuration](#).

▶ Select [Ja \(Yes\)](#).

Establishing an Internet connection

Multimedia system:

▶ ▶ [Mercedes me & Apps](#)

▶ For example, select [Browser](#).

❗ The multimedia system usually establishes the Internet connection automatically. If the multimedia system is not connected to the Internet, the Internet connection is established when an Internet application is used.

❗ The availability of web browsers is country-dependent.

Connection status

Connection status overview

Depending on the connection status, the following symbols can appear on the central display in the status line:




- : a Wi-Fi device is selected as hotspot.
- : a Bluetooth® device is selected as hotspot.

418 MBUX multimedia system

- 4G + double arrow symbol: the communication module is selected as hotspot.
- Reception field strength symbol: reception field strength of the communication module or the device selected as hotspot

Displaying the connection status

Multimedia system:

-  →  →  System
- ▶ Select **Internet and Bluetooth**.
The status information appears in the upper graphic area of the central display.
- When connected via Wi-Fi, a Bluetooth® device or a car telephone, the device name and the approximate data volume transmitted is displayed. The exact values can be requested from your mobile phone network provider.
- In the case of a connection via the communication module the following status information can be shown:
 - Type of network
 - Status (online, offline, data volumes available or used, limited service)

Web browser

Calling up a web page

▲ WARNING Risk of distraction from information systems and communications equipment

If you operate information and communication equipment integrated in the vehicle when driving, you will be distracted from the traffic situation. This could also cause you to lose control of the vehicle.

▶ Only operate this equipment when the traffic situation permits.

▶ If you cannot be sure of this, stop the vehicle whilst paying attention to road and traffic conditions and operate the equipment with the vehicle stationary.

You must observe the legal requirements for the country in which you are currently driving when operating the multimedia system.



Multimedia system:

→  →  → 

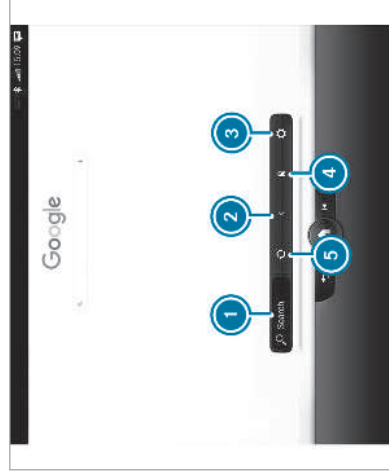
Calling up a new web page

- ▶ Select **URL**.
- ▶ Entering a web address
- ▶ Select **OK**.
- ▶ The function is country-dependent.
- ▶ Websites cannot be shown while the vehicle is in motion.

Calling up a website from the browser history

- ▶ To call up the previous or next page from the history: select  or .

Web browser overview



- ① Search
- ② Previous website
- ③ Options
- ④ Bookmarks
- ⑤ To refresh/stop

Calling up web browser options

Multimedia system:

- ➔ Mercedes me & Apps
- ➔ Browser

The following functions are available:

- Bookmarks
- Options with the settings:
 - Browser settings
 - Delete browser data
- ➔ Select an option.
- ➔ Change the settings.

Calling up the web browser settings

Multimedia system:

- ➔ Mercedes me & Apps
- ➔ Browser
- ➔ Browser settings

➔ **To switch one of the displayed functions on:** activate the display button.

➔ **To switch one of the displayed functions off:** deactivate the display button.

Deleting Internet history

Multimedia system:

- ➔ Mercedes me & Apps
- ➔ Browser
- ➔ Browser data

➔ Select one of the options shown.

Managing bookmarks

Multimedia system:

- ➔ Mercedes me & Apps
- ➔ Browser

➔ Select .

Selecting a bookmark

➔ Select an entry.

Creating a bookmark

➔ Select Add current page to bookmarks.
The bookmark is created.

Editing a bookmark

➔ Select the pen symbol in top, right-hand corner.

➔ Select the pen symbol behind a bookmark again.

420 MBUX multimedia system

- ▶ Enter the name.
- ▶ Select **[OK]** on the input keyboard.

Deleting a bookmark

- ▶ Select the recycle bin symbol behind a bookmark.
- ▶ Select **Yes**.

Closing the browser

- ▶ Multimedia system:
 - ▶ **Mercedes me & Apps**
 - ▶ **Browser**
 - ▶ Select **[]**.

TuneIn radio

Calling up Internet Radio

Requirements:

- There is an account on <https://www.mercedes.me>.
- The Internet Radio service is activated.
- The data volume is available.
Depending on the country, data volume may need to be purchased.

- A fast Internet connection for data transmission free of interference.

- ▶ **i** The functions and services are country-dependent. For more information, consult a Mercedes-Benz service centre.

Multimedia system:

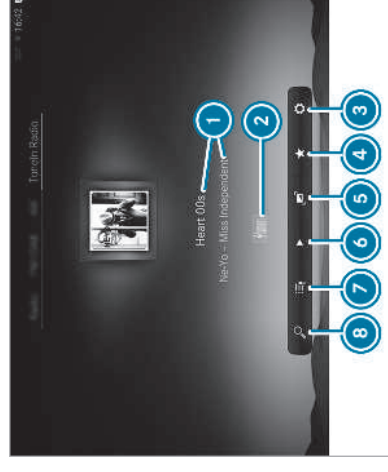
- ▶ **Radio**

Select TuneIn Radio.

- ▶ The Internet Radio menu appears. The last station set starts playing.

- ▶ **i** The connection quality depends on the local mobile phone reception.

Internet Radio overview



- ▶ **1** Additional information on the current station
- ▶ **2** Internet Radio provider
- ▶ **3** Options
- ▶ **4** Favourites
- ▶ **5** Full screen
- ▶ **6** Controls playback

- 7 Channel list
- 8 Search

Selecting and connecting Internet Radio stations

Multimedia system:

- Select .
 - Select a category.
 - Select a station.
The connection is established automatically.
- or
- Select the search field.
 - Enter a station name.
 - A relatively large volume of data can be transmitted when using Internet Radio.

Saving/deleting an Internet Radio station as a favourite

Multimedia system:

- Saving favourites**
- Select a station.

- Press .

Deleting favourites

- Select a station.
- Press .

Setting Internet Radio options

Multimedia system:

The following options are available:

- Select stream:** select the stream quality
- Login to TuneIn account:** log in to your TuneIn user account
- Log out of account:** log out of your TuneIn user account
- Select an option.

Showing the station list for the last category selected

Multimedia system:

- Press the cover of the current station.
Depending on how the station was selected, a station list is shown.

Media

Information about media mode

Information about supported formats and data storage media

- WARNING** Risk of accident as a result of distraction

There is a risk of being distracted.

- To avoid dangers, observe the warning notes in the "Important safety notes" section.

See .

4.2.2 MBUX multimedia system

The multimedia system supports the following formats and data media:

| | |
|---------------------------|---------------------------------------------------------------------|
| Permissible file systems | FAT32, exFAT, NTFS |
| Permissible data carriers | USB devices, iPod®/iPhone®, MTP devices, Bluetooth® audio equipment |
| Supported audio formats | MP3, WMA, AAC, WAV, FLAC, ALAC |
| Supported video formats | MPEG, AVI, DivX, MKV, MP4, M4V, WMV |

i Observe the following notes:

- The multimedia system supports a total of up to 50,000 files.
- Data storage media up to 2 TB are supported (32-bit address space).
- Due to the large variety of available music and video files regarding encoders, sampling rates and data transfer rates, playback cannot be guaranteed.

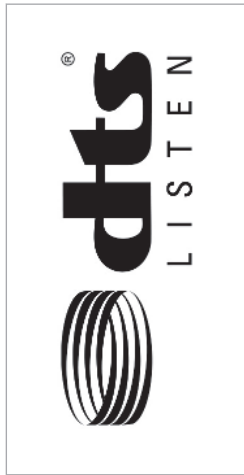
- Due to the wide range of USB devices available on the market, playback cannot be guaranteed for all USB devices.
- Videos up to FullHD (1920x1080) are supported.
- Copy-protected music and video files or DRM (Digital Rights Management) encrypted files cannot be played back.
- MP3 players must support Media Transfer Protocol (MTP).

Information on copyright protection and trademarks

Audio files which you create yourself (e.g. copies of data storage media you make yourself) are generally subject to copyright protection. In many countries, reproductions are not permitted without the prior consent of the copyright holder, even for private use. Make sure that you know about the applicable copyright regulations and that you comply with these.



Manufactured under licence from Dolby Laboratories. Dolby, Dolby Audio and the double-D symbol are trademarks of Dolby Laboratories.



For DTS Patents, see <http://patents.dts.com>.
Manufactured under licence from DTS Licensing Limited. DTS, the Symbol, & DTS and the Symbol together are registered trademarks, and DTS TrueVolume is a trademark of DTS, Inc.® . DTS, Inc. All Rights Reserved.



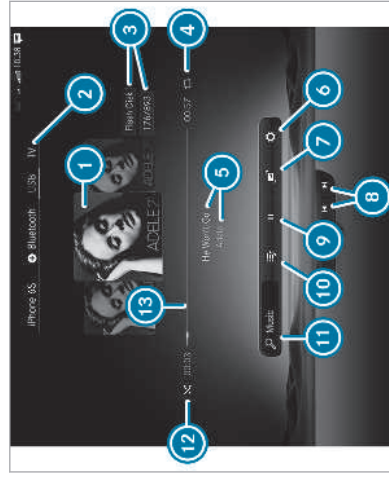
Gracenote, the Gracenote logo and logotype, "Powered by Gracenote", MusicID and Playlist Plus are either registered trademarks or trademarks of Gracenote, Inc. in the United States and/or other countries.



TIDAL and TIDAL logo are registered trademark of Aspiro AB in the European Union and other countries.

424 MBUX multimedia system

Overview of the media menu



- 1 Album cover
- 2 Active media source
- 3 Active data storage device and current track number/track in playback list
- 4 Repeat
- 5 Track and artist
- 6 Settings
- 7 Full screen
- 8 Previous or next track and fast rewind or fast forward
- 9 Controls playback
- 10 Categories
- 11 Music search
- 12 Random playback
- 13 Timeline

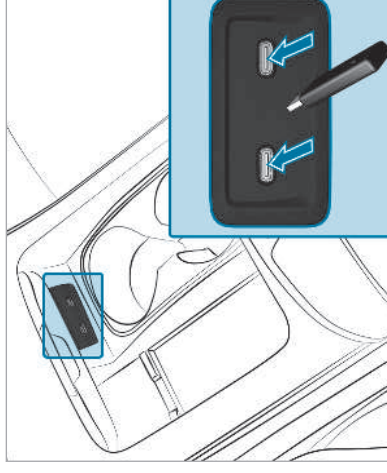
Connecting the data storage medium to the multimedia system

Connecting USB devices

! **NOTE** Damage caused by high temperatures


High temperatures can damage USB devices.

▶ Remove the USB device after use and take it out of the vehicle.



Vehicles with cup holders (example)

The multimedia connection unit is found in the centre console storage compartment and has two type C USB ports. Depending on the vehicle equipment, there are two more USB ports in the storage compartment under the armrest. The charging capacity of the USB ports is at least 5 V (3 A) and, depending on the vehicle equipment, a maximum of 20 V (5 A).

- ▲ Connect the USB device to the USB port.
- ▲  When connecting several Apple® devices simultaneously, pay attention to the order in which the devices are connected. The multimedia system only connects with the device that is connected first. Additional Apple® devices that are connected at the same time are only supplied with power.

Searching for and authorising a Bluetooth® audio device

Requirements:

- Bluetooth® is activated on the multimedia system and audio equipment.
- The audio equipment supports the Bluetooth® audio profiles A2DP and AVRCP.
- The audio equipment is "visible" for other devices.

Multimedia system:

→  → Media → Bluetooth

Authorising a new Bluetooth® audio device

- ▲ Select **Connect new device**.
Detected equipment is displayed in the device list.
- ▲ Select an audio device.
Authorisation starts. A code is displayed on the multimedia system and on the mobile phone.
- ▲ If the codes are identical, confirm on the audio equipment.
- ▲ Select **Only as Bluetooth audio device**.
The Bluetooth® audio equipment is connected with the multimedia system.
- ▲ **Connecting previously authorised Bluetooth® audio equipment**
Select a Bluetooth® audio device from the list.
The connection is being established.

Starting media playback

Requirements:

- A data storage medium is connected to the multimedia system.

Multimedia system:




→  → Media

- ▲ Select USB or Bluetooth as the media source.

Controlling media playback

Multimedia system:


→  → Media

- ▲ **To pause playback:** select .
 - ▲ **To continue playback:** select .
 - ▲ **To repeat a track:** select .
- For the repeat function there are the following settings:
- **Select once:** the active playlist is repeated.

- **Select twice:** the current track is repeated.
- **Select three times:** the repeat function is deactivated.

To play back tracks in random order: select .

To wind a track forwards or backwards: tap on the desired point on the timeline.

To select the next track: select .

To select the previous track: select .

To scroll through tracks quickly: press and hold  or .


To show the current track list: select the track image shown.

Additional options for setting media playback

Multimedia system:

  Media

Calling up additional options

Select .

The additional options are shown.


Select an option.

Music online

Calling up music online

Requirements:

- There is an account for the music streaming service.
- A subscription for the music streaming service has been obtained.
- The data volume is available.
- Depending on the country, data volume may need to be purchased.
- A fast Internet connection for data transmission free of interference.

 The functions and services are country-dependent. For more information, consult a Mercedes-Benz service centre.

Multimedia system:

  Media

Select **Online music**.

With **Online music** you can listen to music via a streaming service.

Music playback can be controlled with the Touch Control or by using the media application.


Searching for music in online music

Multimedia system:

  Media 

Searching for categories in online music

The media content of the streaming provider can be scanned through in the category search. The available categories and the symbol for the category search depend on the streaming provider.


Select .


The list of available categories appears.

Select a category.

Keyword search in online music

You can look for content using the keyword search with free text input.

- ▶ Select .
- ▶ A keyboard for character entry appears. Enter the term searched for.

- ▶  The more characters entered when using the keyword search, the more concrete the search results are.

- ▶ Select the desired entry from the result list. If the selected result is an album, song or a playback list then playback is started. If the selected result is a new category then this is opened in the search.


Configuring online music settings

Multimedia system:

- ▶    in the
- ▶ During media playback, press  in the **Media** menu.
- ▶ Select a setting.

Media search

Notes about the search function in categories


Under  you can search through all available media files. There are several categories available for selection. The categories shown depend on the connected device and data format.

- ▶  The categories are available as soon as the entire media content has been read in and analysed.

Starting a search in categories

Multimedia system:


- ▶     
- ▶ Select a category.

- ▶ Select  and enter a search term.


Using the keyword search

Multimedia system:

- ▶    
- ▶ You can look for content using the keyword search with free text input.

- ▶ Select .

A keyboard for character entry appears. Enter the term searched for.

- ▶  The search begins with the first character entered. The more characters entered the more concrete the search results become.

- ▶ Select the desired entry from the result list. If the selected result is an album, song or a playback list then playback is started. If the selected result is a new category then this is opened in the search.

Searching for a track according to mood

Multimedia system:

- ▶     
- ▶ By searching in categories, you can find music tracks suitable for a mood.

- ▶ Select **Mood**.

- ▶ A grid with the various moods appears. Pull the controller to the desired position. The system searches for tracks that are suitable for the mood entered.

Radio

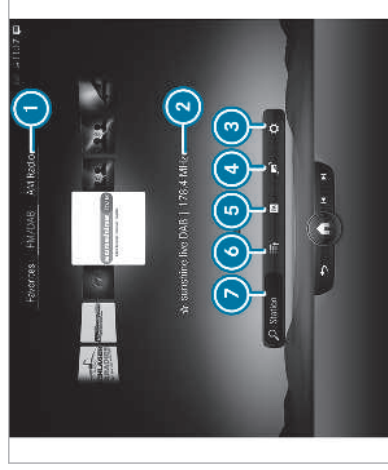
Switching on the radio

Multimedia system:



- ▶ Start the application on the multimedia system home screen. The radio display appears. You will hear the last station played on the last frequency band selected.

Radio overview



- 1 Active frequency band
- 2 Station name or set frequency
- 3 Options
- 4 Full screen/DAB slideshow
- 5 Switching traffic announcements on/off
- 6 Station list
- 7 Search

Setting the frequency band

Multimedia system:



- ▶ Select a frequency band or a favourite.

Selecting a radio station

Multimedia system:



- ▶ Swipe to the left or right on the control element or select a radio station.

Calling up the radio station list

Multimedia system:



- ▶ Select . The station list appears.
- ▶ Swipe the station list up or down.
- ▶ Select a station.

Searching for radio stations using station names or frequency entry

- Multimedia system:
- ➔ ➔ Radio
 - ▲ Select .
 - ▲ Enter a station name or frequency.
 - ▲ Select a station.

Storing radio stations

- Multimedia system:
- ➔ ➔ Radio
 - ▲ Select a radio station.
 - ▲ Select .

Editing favourites

- Multimedia system:
- ➔ ➔ Radio ➔ Favourites

Moving stations

- ▲ Press .
- ▲ The list of favourites appears.
- ▲ Press next to the station name.
- ▲ Select **Move**.
- ▲ Move the station to the new position.

Calling up a slide show (FM/DAB radio mode)

- Multimedia system:
- ➔ ➔ Radio
- The slide show displays additional information provided by the station as an image. This can include logos, album covers, music tracks, programmes, news or service information, for example.

- ▲ Press the station picture on the central display. The image is enlarged.

Activating/deactivating the frequency fix function

- Multimedia system:
- ➔ ➔ Radio ➔
 - ▲ General
 - ▲ Switch Frequency fix on or off. If the function is activated, the set frequency is kept even if the reception is poor.

Activating/deactivating traffic announcements

- Multimedia system:
- ➔ ➔ Radio
 - ▲ Select **TA**. The traffic information service is switched on.
 - ▲ When the traffic information service is switched on, **TA** is blue.

4.30 MBUX multimedia system

Setting the traffic information service volume increase

Multimedia system:

- Home → Radio → Sound
- ▶ Select Navigation and traffic announcements.
- ▶ Set a value for Traffic announc. vol. increase.

Displaying radio text

Multimedia system:

- Home → Radio → General
- ▶ Switch Radio text information on or off.

TV

Switching to TV mode

Multimedia system:

- Home → Media

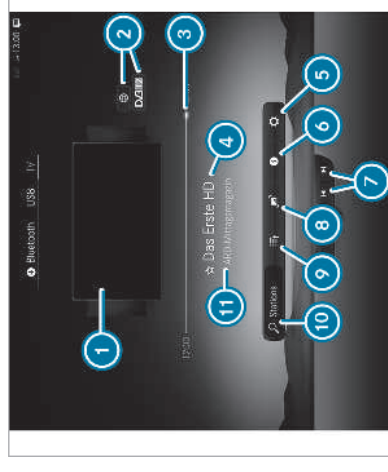
Select TV.

The TV picture appears. If available, the channel and programme information is displayed.

If the vehicle is travelling faster than 5 km/h the television picture is hidden from the driver. If available, the channel and programme information is continuously displayed.

▶ **To show a TV programme on a full screen:** tap on the preview picture.

TV mode overview



- 1 Preview image
- 2 Features of the TV channel and the current programme
- 3 Start and finish times of the current programme, graphic showing the remaining broadcast time
- 4 Channel name

- 5 Options
- 6 Shows the electronic programme preview (EPG)
- 7 Selects the previous or next TV channel from the channel list
- 8 Full screen
- 9 Channel list
- 10 Searches for a TV channel
- 11 Programme information

Overview of symbols



- 1 TV standard
- 2 Channel fix active

- 3 Audio languages available
 - 4 Subtitles available
 - 5 TV channel is encrypted
- Open lock: TV channel can be decrypted with the currently connected CI+ module

Showing or hiding full screen

- ▲ **To show:** press the preview picture.
- ▲ **To hide:** press in the central display. The TV menu appears.

Selecting TV channels

Selecting TV channels from the menu

- Multimedia system:
- ▲
 - ▲ Press or on the central display. The TV tuner sets the previous/next channel from the channel list.

Selecting TV channels from the channel list

- Multimedia system:
- ▲
 - ▲ Select in the menu. The TV tuner selects the channel from the channel list.
 - ▲ Press the preview picture.
 - ▲ **To search for a TV channel:** select the search bar next to (→ page 430). Enter the first characters.
 - ▲ Select the TV channel from the channel list.
 - ▲ Further information on the search bar (→ page 433).



Selecting a TV channel from the favourites

- Requirements:**
- The TV channel is stored.
- Multimedia system:
- ▲
 - ▲ Select in the menu (→ page 430).
 - ▲ Select **Presets**.

- ▶ Select the TV channel.

Selecting TV channels in the background Requirements:

- The navigation system is active, for example
- TV mode is switched on in the background and the sound from the selected TV channel can be heard

- ▶ Press  or  on the central display. The TV tuner sets the previous/next channel from the channel list.



Displaying current programme information for the selected channel (EPG)

Multimedia system:



EPG displays the following information (if available):

- Broadcast times
- Names of the current and upcoming programmes

- ▶ Select a programme name with  or .

The programme information is displayed.

- ▶ **To scroll:** swipe up or down.

- ▶ **To leave the programme information display:** select .

Function of the channel fix setting

Channel fix is switched on

The channel is not changed. This is useful if, for example, you drive the vehicle through reception regions that overlap. It prevents frequent switching back and forth between channels.

The **FIX** indicator is displayed after the name of the TV channel.

Channel fix is switched off

Depending on reception quality, the TV tuner automatically switches to an alternative channel with the same programme content but better reception. Using this function, the best possible television picture can be found, regardless of the reception quality.

Activating/deactivating channel fix

Multimedia system:



▶ Select **General settings**.

▶ Switch **Station fix** on or off.

When the option is switched on, the display button is activated.

Switching the country-specific character set for the TV channel on/off

Multimedia system:



▶ Select **General settings**.

▶ Switch **Country-specific character set** on or off.

When the option is switched on, a country-specific character set is used for the display.

When the option is switched off, the character set transmitted by the currently set TV channel is used for the display.

The respective TV channel is responsible for the transmission of the channel-dependent character set.

Channel list overview

The TV tuner shows the current programme on the digital TV channels or radio stations with adequate reception in its own channel list.

The order of the channel lists is alphabetical or country-specific.

The TV tuner requires a short amount of time to update the information.

The channel lists show the following information:

- receivable channel names
- programme title

The information is shown under the following conditions:

- it is broadcast by the digital channel
- the reception conditions are adequate

Favourites

Overview of TV programmes (favourites)

You can create up to 100 digital TV channels in the presets.

For quick-access you can save TV channels as favourites.


Storing TV channels

Multimedia system:

→  → Media → TV

Adding a TV channel to favourites


▶ Select a TV channel.

▶ Select .

Moving a TV station within favourites

▶ Press .

The list of favourites appears.


▶ Press  next to the station name.

▶ Select **Move**.

▶ Move the station to the new position.

Removing a TV channel from favourites

▶ Select a TV channel.

▶ Select .

TV programme

Setting the TV audio language

Multimedia system:

→  → Media → TV →  → General

▶ Select **Audio/subtitles**.

▶ Select one of the available audio languages under the **Audio language** category.

▶ Select one of the available options for the selected audio language.

The selected audio language, e.g. French, will be kept until the multimedia system is switched off.

When you switch on the multimedia system again, the system language is loaded as the audio language. If this is not available, the audio language that appears at the beginning of the list is loaded.

Setting the TV subtitles

Multimedia system:



▶▶ General

▶ Select Audio/subtitles.

▶ Select the available languages under the **Subtitles** category.

▶ Select one of the available options for the selected language.

The selected language, e.g. French, will be kept until the multimedia system is switched off.

When you switch on the multimedia system again, the system language is loaded as the language. If this is not available, the language that appears at the beginning of the list is loaded.

▶ **To show no subtitles:** switch **Activate** off.

Teletext**Teletext overview**

Teletext pages are located between page 100 and page 899.

A dynamic teletext page consists of several sub-pages.

Information on MHEG-5 digital teletext:

- Digital teletext is only available in some countries, e.g. the UK and New Zealand
- Interactive multimedia applications such as weather forecasts, news reports and sport results are available
- It may take some time before all the pages load

Showing teletext

Multimedia system:



▶▶ General ▶▶ Teletext

▶ **To switch to page selection:** switch between number entry and selection using the arrow button with and .

▶ **To call up a side:** enter the numbers in quick succession.

or

▶ Select the arrow buttons.

▶ **To return to the TV programme:** select **TV**.

MHEG-5 digital teletext

Apart from the functions described above, additional options can be used.

▶ **To call up data content using colours:** select a colour.

▶ **To move back a level:** select a list symbol.

Picture settings**Selecting picture settings for the TV**

Multimedia system:



▶▶ General ▶▶ Video settings

▶ **To set the picture format:** activate one of the Automatic, 4:3, 8:3, 16:9, 21:9 or Zoom display buttons.

The brightness is automatically set.

HD programmes

Receiving encrypted HD programmes

NOTE Damage to the CI+ module and Smart Card

The CI+ module is designed for use in the home. The CI+ module can overheat and be damaged by continuous exposure to high outside temperatures.

Make sure that the CI+ module is not subject to high temperatures for extended periods of time.
If the CI+ module is damaged, no encrypted channels can be received.

A CI+ module (Common Interface Module), which is not included in the scope of delivery, is used to decrypt HD programmes according to the CI+ standard.

In some countries, an additional smart card is required, which is inserted into the CI+ module (see the manufacturer's operating manual).

The CI+ module is connected in the CI+ box in the glove compartment.

To insert the smart card in the CI+ module: if required (country-dependent), insert the smart card into the CI+ module slot. Encrypted HD programmes can be received according to the CI+ standard.

The CI+ box is designed for operation at operating temperatures between 0 °C and 65 °C. At too low a message appears in the multimedia system and the CI+ module is switched off automatically. If the CI+ module is switched off, no encrypted channels can be received.

If a CI+ module is connected, **Card status reminder** is switched on (→ page 435) and the ignition is switched off, the **Alert: CI+ card is still in the vehicle** message appears in the central display.

Calling up the CI+ module menu

Multimedia system:



Switching the reminder of a connected CI+ module on or off

- Select .
 - Select **General settings**.
 - Switch the **Card status reminder** option on or off.
- i** You need the subscription menu to extend the subscription, for example. Further information can be found in the manufacturer's operating instructions.

Calling up the CI+ menu

- Select **CI+ module**.
 - Select **Open menu**.
- The subscription number can be shown in the menu, for example. The content of the menu depends on the manufacturer of the CI+ module.

To show the version number: select **Version info**.

- ▶ **To reset the TV tuner:** select **Reset TV**.
- ▶ **To restart the CI+ module:** if playback is experiencing interference you can try and resolve the problem using **Restart CI+**.

Sound

Tone settings

Information about the sound system

The sound system has a total output of 125 W and is equipped with nine speakers. It is available for all functions in the radio and media modes.




Calling up the sound menu

- Multimedia system:
- ▶  ▶  ▶  ▶ **Sound**
- ▶ Select one of the functions shown to make settings.

Adjusting treble, mid-range and bass settings

- Multimedia system:
- ▶  ▶  ▶  ▶ **Sound**
- ▶ Set **Treble**, **Mid** or **Bass**.

Activating/deactivating loudness adjustment

- Multimedia system:
- ▶  ▶  ▶  ▶ **Sound**
- The loudness adjustment compensates for differing degrees of loudness when changing between audio sources and within an audio source.
- The degree of adjustment can be selected from several levels. The adjustment function can also be deactivated.

- ▶ Switch on **Loudness** and select an available level or switch off **Loudness**.

Adjusting the balance/fader

- Multimedia system:
- ▶  ▶  ▶  ▶ **Sound**

Adjusting the balance

- ▶ Move the volume distribution between the right and left sides of the vehicle in the grid shown.

The volume is distributed between the speakers on the left and right sides in the vehicle.

Adjusting the fader

- ▶ Move the volume distribution between the front and rear of the vehicle in the grid shown.

The volume is distributed between the speakers in the front and rear of the vehicle.

Burmester® 3D-surround sound system

Information about the Burmester® 3D-surround sound system

The Burmester® surround sound system has a total output of 710 W and is equipped with 15

speakers. It is available for all functions in the radio and media modes.

Calling up the sound menu in the Burmester® 3D-surround sound system

Multimedia system:

- → Media → → Burmester

▲ Select one of the functions shown to make settings.

Adjusting the treble, mid and bass settings on the Burmester® 3D-surround sound system

Multimedia system:

- → Media → → Burmester
- Equaliser

▲ Set Treble, Mid or Bass.

Activating/deactivating loudness adjustment in the Burmester® 3D-surround sound system

Multimedia system:

- → Media → → Burmester

The loudness adjustment compensates for differing degrees of loudness when changing

between audio sources and within an audio source.

The degree of adjustment can be selected from several levels. The adjustment function can also be deactivated.

▲ Switch on Loudness and select an available level or switch off Loudness.

Adjusting the balance/fader in the Burmester® 3D-surround sound system

Multimedia system:

- → Media → → Burmester
- Balance and Fader

Adjusting the balance

▲ Move the volume distribution between the right and left sides of the vehicle in the grid shown.

The volume is distributed between the speakers on the left and right sides in the vehicle.

Adjusting the fader

▲ Move the volume distribution between the front and rear of the vehicle in the grid shown.

The volume is distributed between the speakers in the front and rear of the vehicle.

Selecting a sound profile in the Burmester® 3D-surround sound system

Multimedia system:

- → Media → → Burmester

▲ Select a sound profile.

Adjusting the sound focus in the Burmester® 3D-surround sound system

Multimedia system:

- → Media → → Burmester

▲ Select a position for the sound focus or All seats.

Burmester® high-end 4D surround sound system

Information on the Burmester® high-end 4D surround sound system

The Burmester® high-end 4D surround sound system has a total output of 1750 watts and is equipped with 31 speakers. It is available for all functions in the radio and media modes.

Calling up the sound menu in the Burmester® high-end 4D surround sound system

Multimedia system:
→  → Media →  → Burmester

Adjusting sound settings

▶ Select one of the functions shown to make settings.

Adjusting the intensity of bass vibrations

▶ In the 4D sound menu, slide the control to set the intensity of bass vibrations

Adjusting the treble, mid-range and bass settings on the Burmester® high-end 4D surround sound system

Multimedia system:

→  → Media →  → Burmester

▶ Equaliser

▶ Set Treble, Mid or Bass.

Activating/deactivating loudness adjustment in the Burmester® high-end 4D surround sound system

Multimedia system:
→  → Media →  → Burmester

The loudness adjustment compensates for differing degrees of loudness when changing between audio sources and within an audio source.

The degree of adjustment can be selected from several levels. The adjustment function can also be deactivated.

▶ Switch on Loudness and select an available level or switch off Loudness.

Adjusting the balance/fader in the Burmester® high-end 4D surround sound system

Multimedia system:

→  → Media →  → Burmester

▶ Balance and Fader

Adjusting the balance

▶ Move the volume distribution between the right and left sides of the vehicle in the grid shown.
The volume is distributed between the speakers on the left and right sides in the vehicle.

Adjusting the fader

▶ Move the volume distribution between the front and rear of the vehicle in the grid shown.
The volume is distributed between the speakers in the front and rear of the vehicle.

Adjusting the seat-based sound optimisation in the Burmester® high-end 4D surround sound system

Multimedia system:

- ➔ Home ➔ Media ➔ ⚙️ ➔ Burmester
- ➔ VIP seat

➤ Select a seat for sound optimisation.

or

- Select All seats.

Selecting the sound profile in the Burmester® high-end 4D surround sound system

Multimedia system:

- ➔ Home ➔ Media ➔ Burmester
- ➔ Sound profiles

➤ Select a sound profile.

MBUX high-end Rear Seat Entertainment System

Operating safety

⚠ WARNING Risk of injury from unsecured items in the vehicle

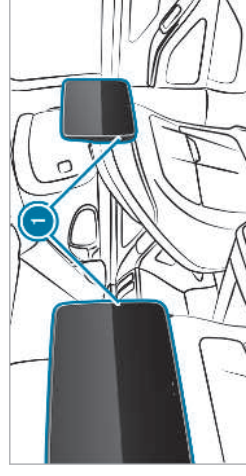
If objects such as headphones / headsets or external audio / video sources are not secured in the vehicle interior, they can be flung around and hit vehicle occupants.

▶ Always stow these items or similar objects carefully so that they cannot be flung around, for example in a lockable vehicle stowage compartment.

Observe the notes on loading the vehicle.

- i** Ventilation must not be impeded by covering the ventilation openings with items (such as newspaper, table-cloths, clothes, curtains, etc).
- i** No naked flame sources (such as lighted candles), shall be placed on apparatus.

Rear Seat Entertainment System overview



The high-end Rear Seat Entertainment System includes:

- Two rear displays **1** behind the head restraints of the front seats
- A connection jack each for corded headphones
- Two USB ports for charging USB devices (→ page 134), Bluetooth® headphones, for example.
- Two ports for HDMI mini

440 MBUX multimedia system

Vehicle equipped with passenger bench seat: in the electronics compartment in the rear-compartment centre console

Vehicle equipped with electrically adjusted outer rear seats: in the stowage compartment in the rear armrest

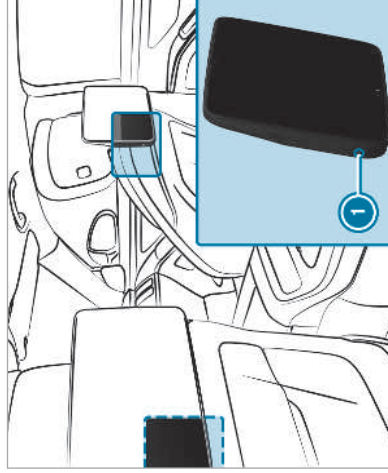
You can operate the high-end Rear Seat Entertainment System using the rear display or the MBUX Voice Assistant.

Depending on the equipment, you can operate the high-end Rear Seat Entertainment System:

- on the rear displays
- with the MBUX rear tablet
- with the MBUX Remote app
- via the MBUX Voice Assistant

Rear displays

Overview of the rear displays



- ① Port for corded headphones with stereo jack, 3.5 mm stereo (3-pin) or for headset with microphone (4-pin)

The rear compartment displays are located behind the head restraints of the front seats.

The rear displays are fitted with touchscreens. Further information on operating touchscreens (→ page 292).

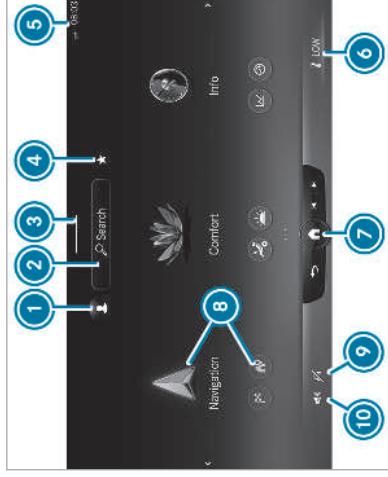
When the rear door is opened, the welcome screen appears.

Nearly all MBUX multimedia system functions are also supported on the Rear Seat Entertainment System. Settings for the driver or driving assistance systems as well as some system settings are however not possible. External user interfaces, e.g. Apple CarPlay® and Android Auto cannot be used on the rear displays. Contents of the Digital Owner's Manual can only be called up on the MBUX multimedia system.

Switching a rear display on/off

- ▲ Touch the touch sensor on the rear display. The rear display is switched on or off.

Home screen overview (rear display)



Example

- 1 Calls up user profile settings and changes user
- 2 Uses the global search
- 3 Calls up the multiseat control menu (pull down)
- 4 Calls up favourites

- 5 Displays the status line, e.g. connection status, time
- 6 Sets climate control, e.g. on the right
- 7 Calls up the home screen
- 8 Opens application, including Quick-access
- 9 Audio playback display
- 10 Adjusts the volume

Headphones

Headphones overview (Rear Seat Entertainment System)

⚠ WARNING Risk of injury due to high volume from headphones

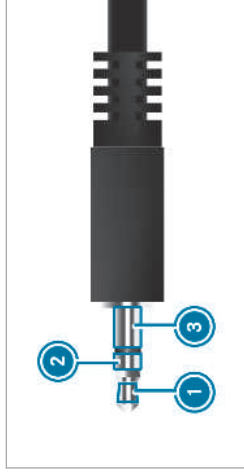
High volumes may damage your hearing.

▶ Make sure that the volume is set at a pleasant level.

The following external headphones can be connected to each rear display:

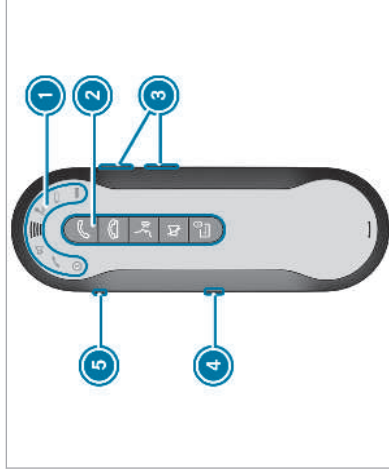
- Bluetooth® headphones

- Coded headphones via a 3-pin stereo jack, 3.5 mm
 - A headset with microphone via a 4-pin stereo jack
- 1 The headphones are not in the scope of delivery for the Rear Seat Entertainment System.
You can obtain headphones from Mercedes-Benz Customer Solutions or in a specialist shop (see the manufacturer's operating instructions).
 - 1 The function of wireless headphones can be impaired by other radio-based electronic devices, such as mobile phones, for example.



Example: connection of corded headphones with a 3-pin stereo jack, 3.5 mm

- 1 Audio L (audio signal for left channel)
- 2 Audio R (audio signal for right channel)
- 3 Earth



- 1 LED displays
- 2 Keypad
- 3 Volume settings
- 4 Micro USB port
- 5 Headphone jack

Function of the LED displays (handset)



Handset

Overview of the handset

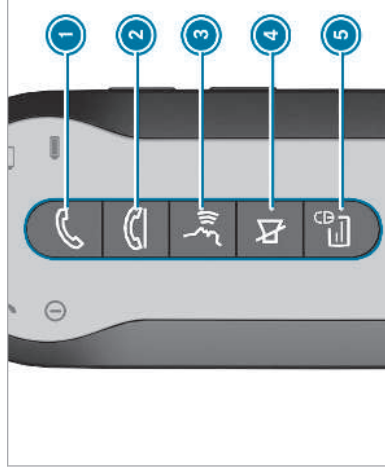
The handset is only available in the rear compartment of vehicles with the Business telephony equipment.

The LED displays on the handset have the following meanings:

| Display | Meaning |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ① | The handset is operational. |
| ② | The display flashes: <ul style="list-style-type: none"> • Connecting call • Incoming call • Active call on the multimedia system The call can also be transferred to the handset. The display lights up continuously: <ul style="list-style-type: none"> • Active call on the handset. |
| ③ is lit up | The handset is muted. No acoustic signal sounds for incoming calls. |
| ④ is lit up | The handset microphone is switched off. |

| Display | Meaning |
|---------|---------------------------------|
| ⑤ | "Battery discharged" display |
| ⑥ | "Battery charge status" display |

Handset functions




The buttons on the handset have the following functions:


| Button | Function |
|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ① | <ul style="list-style-type: none"> • Answers an incoming call • Transfers an existing call to the handset • Press briefly twice: redials number • Press briefly: switches the handset between a call on hold and an active call • Press and hold: switches to a conference call with the call on hold and an active call |
| ② | <ul style="list-style-type: none"> • Rejects an incoming call • Ends an existing call |

444 MBUX multimedia system

| Button | Function |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ③ | <ul style="list-style-type: none"> Activates voice recognition of the connected mobile phone (with Hands-Free Profile) During an active call on the handset: activates hands-free mode |
| ④ | <ul style="list-style-type: none"> Mutes the handset when there is no active call Switches off the microphone when a call is active |
| ⑤ | <p>No private information is displayed in the multimedia system:</p> <ul style="list-style-type: none"> Incoming calls and messages are made anonymous Contacts and messages in the connected mobile phone / SIM card are not shown |

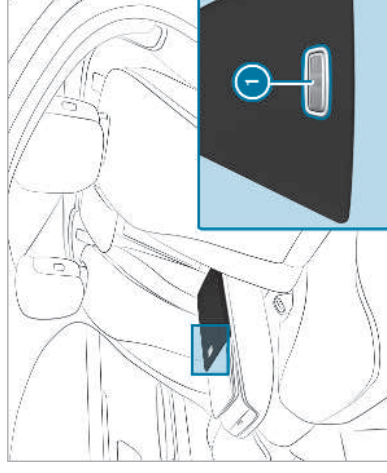
Switching the handset on/off

▲ **To switch on:** press and hold the  button until the LED displays light up (→ page 442).

▲ **To switch off:** press and hold the  button until the LED displays go out (→ page 442).

ⓘ The handset is switched on and off automatically when it is in the bracket.

Charging the handset



Vehicles with electrically adjustable outer seats

- ▲ Fold down the rear armrest.
- ▲ Press release catch ① and swing the cover of the armrest upwards.
- ▲ Place the handset in the drawer.

- ▶ Press drawer back until it engages. The handset is charged.
- ❗ The handset can also be charged using the micro USB port.
- ❗ You cannot replace the rechargeable battery yourself. Please consult a Mercedes-Benz Service Centre to do this.

Rear seats

Adjusting the rear seats on the Rear Seat Entertainment System

Rear Seat Entertainment System:

→ ▶ Comfort ▶ Seat comfort

Positioning seats

- ▶ Select **Seat positioning**.
- ▶ Position the seat and, for example, adjust the inclination of the seat backrest and the height of the head restraints.
- ▶ **To save settings:** select M.
- ▶ Select one of the preset position buttons 1 or 2.

Adjusting the air cushions.

- ▶ In the corresponding menu, adjust the air cushions for **Lumbar or Side bolsters**.

Setting the seat heating

- ▶ Select **Seat climate control**.
- ▶ Press **Seat heating** repeatedly until the desired heating level is set. Depending on the heating level, up to three indicator lamps will light up. If all indicator lamps are off, the seat heating is switched off.

Setting the seat heating balance

- ▶ Select **Seat climate control**.
- ▶ Select **Seat heating balance**.
- ▶ Adjust the heat distribution for the desired seat.

Activating/deactivating the panel heating

For this function, the seat heating must be switched on.

- ▶ Select **Seat climate control**.
- ▶ Select **Panel heating**.

- ▶ Switch the function for the desired seat on or off.

When panel heating is switched on, the armrests, the centre panels on the doors and the centre console are heated.

Adjusting the neck warmer

For this function, the seat heating must be switched on.

- ▶ Select **Seat climate control**.
- ▶ Switch **Neck warmers** on or off.
- ▶ Adjust the neck warmer for the desired seat.

Selecting the message programme for the rear seats


Rear Seat Entertainment System:

→ ▶ Comfort ▶ **Message**

- ▶ Select a message programme.

❗ To the overview of message programmes (→ page 107).


- ▶ **To start a message:** select for the required rear seat.

- ▶ **To set the message intensity: switch High intensity on or off .**
- ▶ Select  to start the message.
- ▶

Resetting rear seat settings

Rear Seat Entertainment System:

- ▶  ▶ **Comfort** ▶ **Seat comfort**

- ▶ Select **Reset**.
- ▶ Select  for the desired seat. The settings for the selected seat are reset.

Setting climate control for the rear passenger compartment (Rear Seat Entertainment System)





Sets the airflow

- ▶ Select the temperature display at the lower edge of the rear display.
- ▶ Set the airflow.

Sets the temperature

- ▶ Select the temperature display at the lower edge of the rear display.
- ▶ Set the temperature.

Setting the air distribution

- ▶ Select the temperature display at the lower edge of the rear display.
- ▶ Select  or  for the left or right seat.  The air is routed through the centre and side air vents.
- ▶  The air is routed through the footwell and side air vents.

Controlling the rear climate control automatically

- ▶ Select **AUTO**.
- ▶ Rear climate control is controlled automatically.

Deactivating rear climate control

- ▶ Select **REAR OFF**.
- ▶ Rear climate control is deactivated.

If available other climate control functions are available:

- Air quality
- Stationary heater
- Pre-entry climate control

Starting ENERGIZING comfort in the rear compartment

Requirements:


- The ignition is switched on.

Rear Seat Entertainment System:

- ▶  ▶ **Comfort**
- ▶ **ENERGIZING COMFORT**

Starting the programme

- ▶ Select a programme.
- ▶ Select **Start** for the desired rear seat.

- ▶  If, during an active programme, a function requirement is no longer met, a corresponding message appears. The active programme is cancelled.

Additional information on the programmes (→ page 330).

Configuring a programme

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

Setting the running time

- Select a programme.
- Select **Settings**.
- Select the desired duration.

Starting the training programme

- Select **Training**.
- Select a programme. The programme starts.
- To activate fragrancing for training:** select **Air freshener**.

Starting tips

- Select **Tips**.

- Select a region of the body.
- Select to stop playback of the tip.

Adjusting the ambient lighting in the rear compartment

Rear Seat Entertainment System:

- Comfort** **Ambient lighting**

Setting the colour

- Select **Colour**.
- Set the desired colour or colour combination.
- There are 64 colours and different colour combinations available.

Adjusting the brightness

- Select **Brightness**.
- Adjust the brightness.

Activating the brightness for zones

- Select **Brightness**.
- Activate **Brightness zones**. The **Emphasis**, **Ambient** and **Impression** zones can be set separately.

The **Silhouette** zone can also be set in vehicles with active ambient lighting.

Activating effects

- Select **Effects**.
- Activate the desired effect.
- Further information on effects (→ page 150)

Configuring the adaptive rear compartment light

Rear Seat Entertainment System:

- Comfort** **Adaptive rear lighting**

Displaying information on lighting modes

- Select **Info**.

Selecting lighting mode

You can activate one option for the left and right rear seats respectively or for the whole rear passenger compartment.

- Select **Light modes**.
- Activate a light mode, e.g. **Reading light**.

Configuring light mode

The following options are available:

- **Work light:** the grab handle lighting and rear interior lamp on the respective side of the vehicle will go on.
- **Reading light:** the grab handle lighting will go on. The size and position of the light cone can be adjusted individually.
- **Two zone light:** the grab handle lighting is shared between two zones. Spot and background lighting can be adjusted.
- **Interior light:** the grab handle lighting and rear interior lamps on both sides of the vehicle will go on.
- **Lounge light:** the grab handle lighting on both sides of the vehicle will go on.

▲ Select the pen symbol.

▲ **For all lighting modes:** set the colour temperature and the brightness.

▲ **For the reading light:** also set the size of the light cone and move the light cone.

▲ **For two-zone lighting:** also select the Light cone or Background options.

▲ **For the Light cone option, also set the size of the light cone and move the light cone.**

▲ **For interior lighting and lounge light:** also activate the **Biodynamic light** option.

The biodynamic light controls the colour temperature. The colour temperature will be adjusted automatically over the course of the day.

Saving a lighting mode as a favourite

▲ Select **Store** on rear favourites button.

▲ **For the Interior light and Lounge light** light modes, the prompt also appears asking whether the left or right rear seat should be selected.

Resetting lighting mode settings

▲ Select **Reset**.

▲ ⓘ Brightness and colour temperature of the grab handle lighting and rear lighting can be adjusted individually via the MBUX rear tablet and the app.

If the vehicle is fitted with the MBUX Interior Assistant, adaptive rear interior lighting can be controlled with gestures. With a gesture towards an empty neighbouring seat, for example, the grab handle lighting on the corresponding side of the vehicle will go on.

Selecting system settings in the rear compartment

Rear Seat Entertainment System:

→ [Home] → Settings → System

Adjusting the brightness

▲ Select **Display** brightness.

▲ Adjust the brightness.

Connecting a device in the device manager

▲ Select **Device manager**.

▲ Select a device that is to be connected.

Headphones and headsets are connected with the rear display.

Mobile phones and other devices are connected with the multimedia system.

Setting the sensitivity for the rear display

- ▶ Select **Touch Sensitivity**.
- ▶ Select an option.

Showing system information

- ▶ Select **System information**.

Navigation

Switching on navigation in the rear compartment

Rear Seat Entertainment System:

- ▶  ▶ **Navigation**

The map appears and shows the current vehicle position.

- ▶ Select an option in the navigation menu (→ page 334).

In principle, you can use the multimedia system functions on the Rear Seat Entertainment System also.

The following options are available on the rear display, for example:

- Enter the destination as a POI or address, for example (→ page 335).
- The destination can be adopted by the multimedia system or shared with another seat.
- Set the map scale (→ page 360).
- Calculate the route (→ page 340).

Route settings and route options, e.g. toll roads, can be selected for the route.

You can add and manage intermediate destinations for the route planning (→ page 344).

Alternative routes are available.

- Route and destination information is shown during route guidance.

- The Live Traffic Information service shows traffic incidents, traffic flow information and warning message symbols.

This option is not available in all countries.

Overview of telephone functions in the rear compartment

If the vehicle is equipped with the telephony feature in the rear compartment the functions of the multimedia system are, in principle, available on the Rear Seat Entertainment System.

The following functions are available on the rear display:

- Telephone operation (→ page 380)
- Conducting calls with several participants (→ page 381)
- Calling up **Contacts** (→ page 382)
 - Contact search using initials, names or telephone numbers
 - Displaying contact details
 - Using the keypad
- Calling up the **Call list** and making a call (→ page 385)
 - **Text message**
 - Reading messages and using the read-aloud function (→ page 386)
 - Calling a message sender (→ page 387)

450 MBUX multimedia system

- Deleting a message (→ page 388)

Services and web browsers

Web browser overview (Rear Seat Entertainment System)

Depending on the country and the vehicle equipment, a web browser can be called up on the rear display.

The Internet connection can be established using the communication module, Bluetooth® or Wi-Fi.

For further information on setting up an Internet connection:

- Via communication module (→ page 413)
- Via Wi-Fi (→ page 415)
- Via Bluetooth® (→ page 415)

Calling up the web browser (Rear Seat Entertainment System)

Requirements:


- The vehicle is equipped with a permanently installed communication module.

- Alternatively, the Internet connection can be set up and established using Wi-Fi (→ page 415).

Rear Seat Entertainment System:



Call up a page.

To stop the web browser: select .

The following functions are available:

- Calling up the web browser settings (→ page 419)
- Deleting browser data (→ page 419)
- Managing bookmarks

Media

Information about media mode in the rear compartment

The Rear Seat Entertainment System has two HDMI mini connections which can be used by both rear displays. Additional information on the connections (→ page 439).

There are two USB ports for charging USB devices (→ page 134), Bluetooth® headphones, for example.

Data storage media for playing back content on the Rear Seat Entertainment System are connected via the USB ports for the multimedia system in the stowage compartment in the centre console (→ page 424).

Data storage media supported by the Rear Seat Entertainment System:

- USB devices
 - iPhone® or iPod®
 - Apple CarPlay® is not supported.
 - MTP devices
 - Android devices that are used as MTP devices
 - Android Auto is not supported.
 - Bluetooth® audio equipment
- Authorisation of a Bluetooth® audio device is carried out on the multimedia system (→ page 425) or on the Rear Seat Entertainment System.

The Rear Seat Entertainment System can access the files on the multimedia system. Further information about media mode (→ page 421).



The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.

Switching on media mode in the rear passenger compartment

Requirements:

- A data storage medium is connected to the multimedia system.

- A Bluetooth® audio device is connected with the multimedia system.

Rear Seat Entertainment System:



Select USB or Bluetooth.

i A possible audio source is **Online music**. To availability and pre-requirements (→ page 426).

The following functions are available:

- Controlling media playback (→ page 451)
- Using the music search (→ page 427)
- Using online search (→ page 426)
- Searching for media files using categories (→ page 427)
- Calling up options (→ page 426)
- Calling up the settings

Controlling media playback in the Rear Seat Entertainment System

Rear Seat Entertainment System:



To pause or continue playback: select or .

To select the next or previous track: select or .

To scroll through tracks quickly: press and hold or .

To wind a track forwards or backwards: tap on the desired point on the timeline.

To play back tracks in random order: select .

To repeat a track: select .

For the repeat function there are the following options:

- Tap once: the active playlist is repeated.
- Tap twice: the current track is repeated.
- Tap three times: the repeat function is deactivated.

To display a full screen: select the cover.

Radio

Switching to radio in the rear passenger compartment

Rear Seat Entertainment System:



Swipe left or right on the rear display.

or

Select a station with or .

If the channel is changed on the multimedia system it changes also on the rear display.

To set a frequency band: select a frequency band.

The following functions are available:

- Searching for radio stations (→ page 429)
- Selecting from the station list (→ page 428)
- Storing radio stations (→ page 429)
- Calling up a slide show (→ page 429)
- Switching options on or off using

[Frequency fix](#)

[Traffic announcements](#)

[Radio text information](#)

TV mode

Switching to TV mode in the rear passenger compartment

Rear Seat Entertainment System:



Select a channel with or .

If the channel is changed on the multimedia system it changes also on the rear display.

To show full screen: tap on the preview picture.

To show the TV menu: select .

The following functions are available:

- Searching for a TV channel (→ page 431)
- Showing current programme information for the selected TV channel (EPG) (→ page 432)
- Storing and managing TV channels (→ page 433)

- Setting options:

Setting [Audio language](#)

Setting [Subtitles](#)

Switching [Station fix](#) on or off

Displaying [Teletext](#)

Selecting [Video settings](#).

Sound

Overview of sound settings in the rear compartment

The sound settings depend on which sound system is available.

Depending on the equipment installed, one of the following systems is supported:

- Sound system (→ page 436)
- Burmester® surround sound system (→ page 437)
- Burmester® high-end 3D surround sound system (→ page 438)

Selecting sound settings in the rear compartment


Rear Seat Entertainment System:

→  →  →  System

- ▶ Select Sound.
- ▶ Select the sound settings.

Switching Cabin Audio on/off and setting volumes

Cabin Audio facilitates audio playback in the vehicle interior.

- ▶ Select .
- ▶ Select Media.
- ▶ Select USB or My USB.
- ▶ Switch the display button with the speaker symbol on or off.

To set the volumes: move the control knob to the left or right on one of the scales and hold it until the desired volume is set.

Using the MBUX Voice Assistant

Requirements:

- The Voice Assistant wake-up call "Hey Mercedes" is switched on in the MBUX multimedia system settings (→ page 287).
- Online functionality offers the full range of functions.

Using the MBUX Voice Assistant you can operate the MBUX Rear Seat Entertainment System using voice input. You can use vernacular sentences for this. The Voice Assistant recognises different voices, learns and can thereby offer suitable suggestions.

▶ **To activate the Voice Assistant:** say the wake-up call "Hey Mercedes".

▶ Say a voice command, e.g. set station.

▶  You can activate and deactivate the Voice Assistant from different seats.

Further information on the Voice Assistant:

- Conducting a dialogue (→ page 286)
- Information on online functionality (→ page 289)

- Activating online functionality on the multimedia system
- Using audible help functions

ASSYST PLUS service interval display

Function of the ASSYST PLUS service interval display

The ASSYST PLUS service interval display on the driver display provides information on the remaining time or distance before the next service due date.

You can hide this service display using the back button on the left-hand side of the steering wheel.

Depending on how the vehicle is used, the ASSYST PLUS service interval display may shorten the service interval, e.g. in the following cases:

- mainly short-distance driving
- when the engine is often left idling for long periods
- in the event of frequent cold start phases
- **vehicles with a diesel particulate filter:** in the event of frequently interrupted regeneration of the diesel particulate filter

Mercedes-Benz recommends avoiding such operating conditions.

You can obtain information concerning the servicing of your vehicle from a qualified specialist workshop, e.g. a Mercedes-Benz Service Centre.

Displaying the service due date

On-board computer:

→ Service → ASSYST PLUS

The next service due date is displayed.

▶ **To exit the display:** press the back button on the left-hand side of the steering wheel.

Bear in mind the following related topic:

- Operating the on-board computer (→ page 274).

Information on regular maintenance work

! **NOTE** Premature wear through failure to observe service due dates

Service work which is not carried out at the right time or incompletely can lead to increased wear and damage to the vehicle.

- ▶ Always observe the prescribed service intervals.
- ▶ Always have the prescribed service work carried out at a qualified specialist workshop.

Special service requirements

The prescribed service interval is based on normal operation of the vehicle. Maintenance work will need to be performed more often if the vehicle is operated under arduous conditions or increased loads.

The ASSYST PLUS service interval display is only an aid. The driver of the vehicle bears responsibility as regards to whether maintenance work needs to be performed more often than speci-

fied based on the actual operating conditions and/or loads.

Examples of arduous operating conditions:

- regular city driving with frequent intermediate stops
- mainly short-distance driving
- frequent operation in mountainous terrain or on poor road surfaces
- when the engine is often left idling for long periods
- operation in particularly dusty conditions and/or if air-recirculation mode is frequently used

In these or similar operating conditions, have the interior air filter, engine air cleaner, engine oil and oil filter etc. changed more frequently. The tyres must be checked more frequently if the vehicle is operated under increased loads. Further information can be obtained at a qualified specialist workshop.

Battery disconnection periods

The ASSYST PLUS service interval display can calculate the service due date only when the battery is connected.

- ▶ Display the service due date on the driver display and note it down before disconnecting the battery (→ page 454).

Engine compartment

Active bonnet (pedestrian protection)

Operation of the active bonnet (pedestrian protection)

In certain accident situations, the risk of injury to pedestrians can be reduced by the actuation of the active bonnet. The rear area of the engine bonnet is raised by approximately 80 mm. For the drive to the workshop, reset the actuated active bonnet yourself (→ page 455).

After the active bonnet has been actuated, pedestrian protection may be limited.

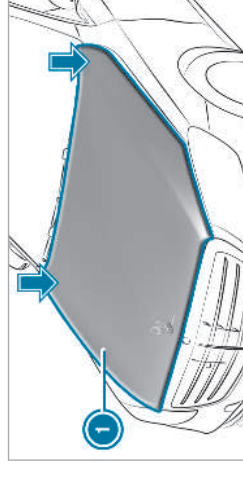
A qualified specialist workshop must re-instate the full functionality of the active bonnet.

Resetting the active bonnet


▲ WARNING Risk of burns from hot component parts in the engine compartment

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

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



456 Maintenance and care

- ▶ With your hand flat, push down active bonnet  in the area around the hinges on both sides (arrows). The engine bonnet must engage in position. If the active bonnet can be raised slightly at the rear in the area of the hinges, repeat the step until it engages correctly.

Motorhaube öffnen/schließen

- ▶ **WARNING** Risk of accident due to driving with the bonnet unlocked
- ▶ **The bonnet may open and block your view.**
- ▶ Never release the bonnet when driving.
- ▶ Before every trip, ensure that the engine bonnet is locked.

- ▶ **WARNING** Risk of accident and injury when opening and closing the bonnet

The bonnet may suddenly drop into the end position.

There is a risk of injury for anyone in the bonnet's range of movement.

- ▶ Open or close the bonnet only when there is nobody in the bonnet's range of movement.

- ▶ **WARNING** Danger of burns when opening the bonnet

If you open the engine bonnet when the engine has overheated or during a fire in the engine compartment, you could come into contact with hot gases or other escaping operating fluids.

- ▶ Before opening the bonnet, allow the engine to cool down.
- ▶ In the event of a fire in the engine compartment, keep the engine bonnet closed and call the fire service.

- ▶ **WARNING** Risk of injury due to moving parts

Components in the engine compartment may continue running or start up suddenly, even if the ignition is switched off.

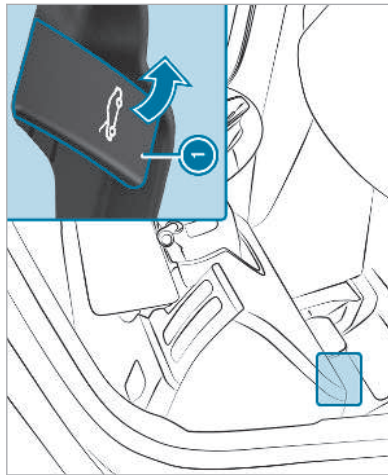
Make sure of the following before performing tasks in the engine compartment:

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

- ▶ **WARNING** Risk of injury from touching components under voltage

The ignition system and the fuel injection system work under high voltage. You could receive an electric shock.

Motorhaube öffnen



▲ Zweimal am Griff 1 ziehen.
Die Motorhaube wird entriegelt und öffnet sich ein Stück.

▲ Never touch components of the ignition system or the fuel injection system when the ignition is switched on.

▲ **WARNING** Risk of burns from hot component parts in the engine compartment. Certain components in the engine compartment can be very hot, e.g. the engine, the radiator and parts of the exhaust system.

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

▲ **WARNING** Risk of injury from using the windscreen wipers while the engine bonnet is open

When the engine bonnet is open, and the windscreen wipers are set in motion, you can be trapped by the wiper linkage.

▲ Always switch off the windscreen wipers and ignition before opening the engine bonnet.

Motorhaube schließen

! **NOTE** Damage to the bonnet

If the bonnet is closed manually, there is a risk of dents.

▲ Do not close the bonnet manually.

▲ Die Motorhaube absenken und aus etwa 20 cm Höhe mit etwas Schwung zufallen lassen.

▲ Wenn die Motorhaube noch ein Stück angehoben werden kann, die Motorhaube noch einmal öffnen und mit etwas mehr Schwung zufallen lassen, bis sie richtig einrastet.

Engine oil

Checking the engine oil level using the on-board computer
Requirements:

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

458 Maintenance and care

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

On-board computer:

→ Service → Engine oil level

One of the following messages will appear on the driver's display:

- **Messung läuft...**: measurement of the oil level is not yet possible.
- ▶ Repeat the request after a maximum of 30 minutes' driving.
- OK and the bar display for indicating the oil level on the driver's display is green and is between "min" and "max": the oil level is correct.
- **Motoröl nachfüllen** and the bar display for indicating the oil level on the driver's display is orange and is below "min".
- ▶ Add 1 l of engine oil.

- **Motorölstand reduzieren** and the bar display for indicating the oil level on the driver's display is orange and is above "max":

▶ Drain off any excess engine oil that has been added. To do so, consult a qualified specialist workshop.

- **For engine oil level switch on ignition:**

▶ Switch on the ignition to check the engine oil level.

- **Engine oil level System inoperative:** the sensor is defective or not connected.

▶ Consult a qualified specialist workshop.

- **Engine oil level currently inoperative:**

▶ Close the bonnet.

Topping up engine oil

▶ **WARNING** Risk of burns from hot component parts in the engine compartment

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

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

▶ **WARNING** Risk of fire and injury from engine oil

If engine oil comes into contact with hot component parts in the engine compartment, it may ignite.

▶ Make sure that no engine oil is spilled next to the filler opening.

▶ Allow the engine to cool off and thoroughly clean the engine oil from component parts before starting the vehicle.

▶ **NOTE** Engine damage caused by an incorrect oil filter, incorrect oil or additives

▶ Do not use engine oils or oil filters which do not correspond to the specifications explicitly prescribed for the service intervals.

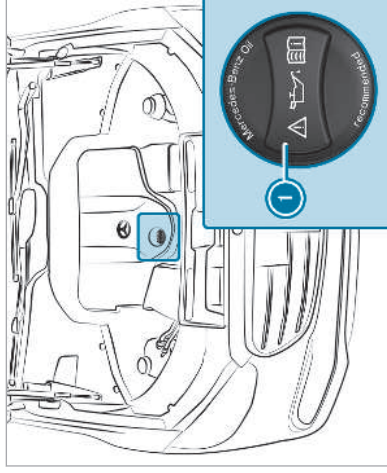
- ▲ Do not alter the engine oil or oil filter in order to achieve longer change intervals than prescribed.
- ▲ Do not use additives.
- ▲ Follow the instructions in the service interval display regarding the oil change.

! **NOTE** Damage caused by topping up too much engine oil

Too much engine oil can damage the engine or the catalytic converter.

- ▲ Have excess engine oil removed at a qualified specialist workshop.

i Depending on the engine, the cap may be installed in the engine compartment in different locations.



- ▲ Turn cap **1** anti-clockwise and remove it.
- ▲ Top up the engine oil.
- ▲ Replace cap **1** and turn it clockwise until it engages.
- ▲ Check the oil level again (→ page 457).

Checking the coolant level

▲ **WARNING** Risk of burns from hot component parts in the engine compartment

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

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

▲ **WARNING** Risk of scalding from hot coolant

▲ **If you open the cap, you could be scalded.**

- ▲ Let the motor cool down before opening the cap.
- ▲ When opening the cap, wear protective gloves and safety glasses.
- ▲ Open the cap slowly to release pressure.

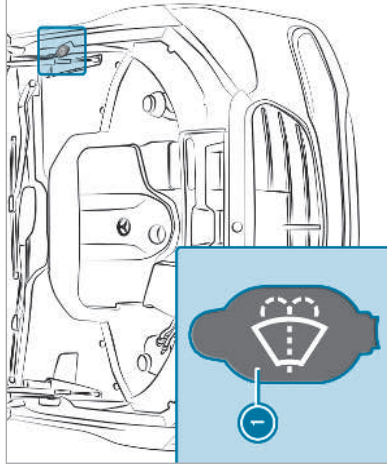
▲ Only have coolant checked or refilled at a qualified specialist workshop.

Topping up the windscreen washer system

- ▲ **WARNING** Risk of burns from hot component parts in the engine compartment. Certain components in the engine compartment can be very hot, e.g. the engine, the radiator and parts of the exhaust system.
 - ▲ Allow the engine to cool down and only touch component parts described in the following.

- ▲ **WARNING** Danger of burns when opening the bonnet
 - ▲ If you open the engine bonnet when the engine has overheated or during a fire in the engine compartment, you could come into contact with hot gases or other escaping operating fluids.
 - ▲ Before opening the bonnet, allow the engine to cool down.
 - ▲ In the event of a fire in the engine compartment, keep the engine bonnet closed and call the fire service.

- ▲ **WARNING** - Risk of fire and injury due to windscreen washer concentrate
 - ▲ Windscreen washer concentrate is highly flammable. It could ignite if it comes into contact with hot engine component parts or the exhaust system.
 - ▲ Make sure that no windscreen washer concentrate spills out next to the filler opening.



- ▲ Remove cap 1 by the tab, place on the edge of the filler opening and engage in place.
- ▲ Top up the washer fluid.

Keeping the air-water duct free

- ▲ Keep the area between the bonnet and the windscreen free of deposits, e.g. ice, snow and leaves.

Cleaning and care
Information on washing the vehicle in a car wash

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

Braking efficiency is reduced after washing the vehicle.

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

■ NOTE Damage from automatic braking

If one of the following functions is switched on, the vehicle brakes automatically in certain situations:

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

- Active Parking Assist

To avoid damage to the vehicle, deactivate these systems in the following or similar situations:

- ▲ During towing
- ▲ In a car wash

■ NOTE Damage due to unsuitable car wash

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

To avoid damage to your vehicle when using a car wash, ensure the following beforehand:

- Active Distance Assist DISTRONIC and the HOLD function are deactivated.
- the 360° Camera or the reversing camera is switched off.
- the side windows and sliding sunroof are completely closed.
- the blower for the ventilation/heating is switched off.
- the windshield wiper switch is in position **0**.
- the key is at a distance of at least 3 m away from the vehicle, otherwise the boot lid could open unintentionally.
- in car washes with a conveyor system: neutral **N** is engaged.

i In car washes with a conveyor system: if you would like to leave the vehicle while it is being washed, make sure the key is located in the vehicle. The park position **P** is otherwise automatically engaged.

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

Information on using a high-pressure cleaner

⚠ WARNING Risk of an accident when using high-pressure cleaners with round-spray nozzles

The water jet can cause externally invisible damage.

Components damaged in this way may unexpectedly fail.

- ▶ Do not use a high-pressure cleaner with round-spray nozzles.
- ▶ Have damaged tyres or chassis parts replaced immediately.

To avoid damage to your vehicle, observe the following when using a high-pressure cleaner:

- keep the key at least 3 m away from the vehicle. Otherwise the boot lid could open unintentionally.
- maintain a distance of at least 30 cm to the vehicle.
- **vehicles with decorative foil:** parts of your vehicle are covered with a decorative foil. Maintain a distance of at least 70 cm between the foil-covered parts of the vehicle and the nozzle of the high-pressure cleaner. Move the high-pressure cleaner nozzle around whilst cleaning. The water temperature of the high-pressure cleaner must not exceed 60 °C.
- observe the information on the correct distance in the equipment manufacturer's operating instructions.
- do not point the nozzle of the high-pressure cleaner directly at sensitive parts such as tyres, gaps, electrical components, batteries, light sources and ventilation slots.

Washing the vehicle by hand

Observe the legal requirements, e.g. in a number of countries, washing by hand is only permitted in specially designated wash bays.

- ▶ Use a mild cleaning agent, e.g. car shampoo.
- ▶ Wash the vehicle with lukewarm water using a soft car sponge. When doing so, do not expose the vehicle to direct sunlight.
- ▶ Carefully hose the vehicle off with water and dry using a chamois. Take care not to point the water jet directly towards the air inlet grille below the bonnet.

Notes on paintwork/matt finish paintwork care

Observe the notes on cleaning and care to avoid damaging the paintwork and interfering with the driver assistance systems.

Paint

- Insect remains: soak with insect remover and rinse off the treated areas afterwards.

- Bird droppings: soak with water and rinse off afterwards.
 - Tree resin, oils, fuels and greases: remove by rubbing gently with a cloth soaked in petroleum ether or lighter fluid.
 - Coolant and brake fluid: remove with a damp cloth and clean water.
 - Tar stains: use tar remover.
 - Wax: use silicone remover.
 - Do not attach stickers, films or similar materials. Only have film attached to the bumper at a qualified specialist workshop.
 - Remove dirt immediately, where possible.
- Matt finish**
- Only use care products approved for Mercedes-Benz.
 - Do not attach stickers, films or similar materials. Only have film attached to the bumper at a qualified specialist workshop.
 - Do not polish the vehicle and light-alloy wheels.
- Only use car washes that correspond to the latest engineering standards.
- Do not use car wash programmes with a final hot wax treatment.
 - Do not use paint cleaners, buffing or polishing products, gloss preservers, e.g. wax.
- In the event of paintwork damage:
- Always have paintwork repairs carried out at a qualified specialist workshop.
 - Make sure the radar sensors function (→ page 203).

Notes on cleaning decorative foils

Observe the notes on matt finish care in the chapter "Notes on paintwork / matt finish paintwork care" (→ page 462). They also apply to matt decorative foils.

Observe the notes on cleaning decorative foils to avoid vehicle damage.

Cleaning

- For cleaning, use plenty of water and a mild cleaning agent without additives or abrasive

substances, e.g. a car shampoo approved for Mercedes-Benz.

- Remove dirt immediately, where possible, whilst avoiding rubbing too hard. There is otherwise a risk of damaging the decorative foil irreparably.
- If there is dirt on the finish or if the decorative foil is dull: use the Paint Cleaner recommended and approved for Mercedes-Benz.
- Insect remains: soak with insect remover and rinse off the treated areas afterwards.
- Bird droppings: soak with water and rinse off afterwards.
- To prevent water stains, dry a foil-wrapped vehicle with a soft, absorbent cloth after every car wash.

Avoiding damage to the decorative foil

- The service life and colouring of decorative foils are impaired by:
 - sunlight
 - temperature, e.g. hot air blower
 - weather conditions

464 Maintenance and care

- stone chippings and dirt
- chemical cleaning agents
- oily products
- Do not use polish on matt decorative foil. Polishing will have the effect of shining the foil-wrapped surface.
- Do not treat matt or structured decorative foils with wax. Permanent stains may occur.

Scratches, corrosive deposits, areas affected by corrosion and damage caused by incorrect care cannot always be completely repaired. In such cases, visit a qualified specialist workshop.

You can obtain more information on care and cleaning products from the manufacturer.

In the case of foil-wrapped surfaces, optical differences may occur between the surfaces that were not protected by a decorative foil after removing a decorative foil.

- ⓘ Have work or repairs to decorative foils carried out at a qualified specialist workshop, e.g. in a Mercedes-Benz Service Centre.

Notes on care of car parts

▲ **WARNING** Risk of entrapment if the windscreen wipers are switched on while the windscreen is being cleaned

If the windscreen wipers are set in motion while you are cleaning the windscreen or wiper blades, you can be trapped by the wiper arm.

▲ Always switch off the windscreen wipers and the ignition before cleaning the windscreen or wiper blades.

▲ **WARNING** Risk of burns from the tailpipe and tailpipe trims

The exhaust tailpipe and tailpipe trims can become very hot. If you come into contact with these parts of the vehicle, you could burn yourself.

▲ Always be particularly careful around the tailpipe and the tailpipe trims and supervise children especially closely in this area.

▲ Allow vehicle parts to cool down before touching them.

Observe the notes on cleaning and care of the following vehicle parts to avoid damage.

Wheels/rim

- Use water and acid-free wheel cleaners.
- Do not use acidic wheel cleaners to remove brake dust. This could damage wheel bolts and brake components.
- To avoid corrosion of the brake discs and brake pads, drive the vehicle for a few minutes after cleaning before parking it. The brake discs and brake pads warm up and dry out.

Windows

- Clean windows inside and outside with a damp cloth and with a cleaning agent recommended for Mercedes-Benz.
- Do not use dry cloths or abrasive or solvent-based cleaning agents to clean the inside of windows.

Wiper blades

- Fold out the wiper blades and clean them using a damp cloth.
- Do not clean the wiper blades too often.

Exterior lighting

- Clean the lenses with a wet sponge and mild cleaning agent, e.g. car shampoo.
- Only use cleaning agents or cleaning cloths that are suitable for plastic lenses.

Sensors

- Clean the sensors in the front and rear bumper and in the radiator grille with a soft cloth and car shampoo.
- When using a high-pressure cleaner, maintain a minimum distance of 30 cm.

Reversing camera and 360° Camera

- Switch on the power supply or the ignition to open the front camera cover.
- Use clean water and a soft cloth to clean the camera lens.
- Do not use a high-pressure cleaner.

Tailpipes

- Clean with a cleaning agent recommended for Mercedes-Benz, especially in the winter and after washing the vehicle.
- Do not use acidic cleaning agents.

Trailer hitch

- Remove traces of rust on the ball, e.g. with a wire brush.
- Remove dirt with a lint-free cloth.
- After cleaning, oil or grease the ball head lightly.
- Observe the notes on care in the trailer hitch manufacturer's operating instructions.
- Do not clean the ball neck with a high-pressure cleaner or solvent.

Notes on care of the interior

▲ WARNING Risk of injury from plastic parts breaking off after the use of solvent-based care products

Care and cleaning products containing solvents can cause surfaces in the cockpit to become porous. When the airbags are deployed, plastic parts may break away.

- ▲ Do not use any care or cleaning products containing solvents to clean the cockpit.

▲ WARNING Risk of injury or death from bleached seat belts

Bleaching or dyeing seat belts can severely weaken them.

This can, for example, cause seat belts to tear or fail in an accident.

- ▲ Never bleach or dye seat belts.

Observe the notes on cleaning and care to avoid vehicle damage.

466 Maintenance and care

Seat belts

- Clean with lukewarm and soapy water.
- Do not use chemical cleaning agents.
- Do not dry seat belts by heating them to over 80 °C or exposing them to direct sunlight.

Display

- Switch off the display and let it cool down.
- Clean the surface carefully with a microfibre cloth and a suitable display care product (IFT/LCD).
- Do not use any other agents.

Plastic trim

- Clean with a damp microfibre cloth.
- For heavy soiling: use a care product recommended for Mercedes-Benz.
- Do not attach stickers, films or similar materials.
- Do not allow cosmetics, insect repellent or sun cream to come in contact with the plastic trim.

Real wood/trim elements

- Clean with a microfibre cloth.

- Black piano-lacquer look: clean with a damp cloth and soapy water.

- For heavy soiling: use a care product recommended for Mercedes-Benz.
- Do not use solvent-based cleaning agents, polishes or waxes.

Roof lining

- Clean with a brush or dry shampoo.

Carpet

- Use a carpet and textile cleaning agent recommended for Mercedes-Benz.

Genuine leather seat covers

- Clean with a damp cloth and then wipe with a dry cloth.
- Leather care: use a leather care agent that has been recommended for Mercedes-Benz.
- Do not allow the leather to become too damp.
- Do not use a microfibre cloth.

DINAMICA seat covers

- Clean with a damp cloth.

- Do not use a microfibre cloth.

Cloth seat covers

- Clean with a damp microfibre cloth and 1% soap solution and allow to dry.

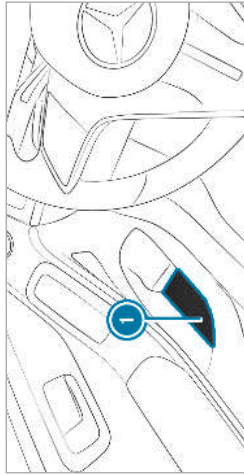
EASY-PACK boot box

- Clean with a damp cloth.
- Do not use any alcohol-based thinners, petrol or abrasive cleaning agents.

Emergency

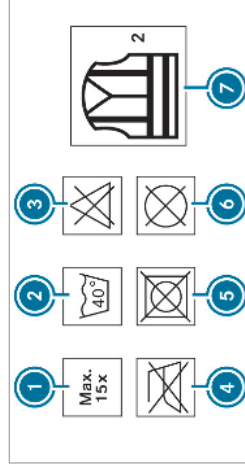
Removing the safety vest

The safety vests are located in stowage spaces in the front door.



- ▶ Take the safety vest bag out of stowage space ①.
- ▶ Open the safety vest bag and pull out the safety vest.

① Safety vests can also be stored in the rear door stowage spaces.



- ① Maximum number of washes
- ② Maximum wash temperature
- ③ Do not bleach
- ④ Do not iron
- ⑤ Do not tumble dry
- ⑥ Do not dry clean
- ⑦ This is a class 2 vest

The requirements defined by the legal standard are only fulfilled in the following cases:

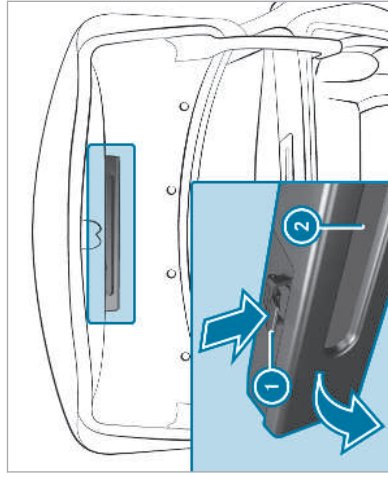
- if the safety vest is the correct size
- the safety vest is fully closed whilst being worn

Replace the safety vest in the following cases:

- the reflective strips are damaged or dirt on the reflective strips can no longer be removed
- the maximum number of washes is exceeded
- the fluorescence has faded

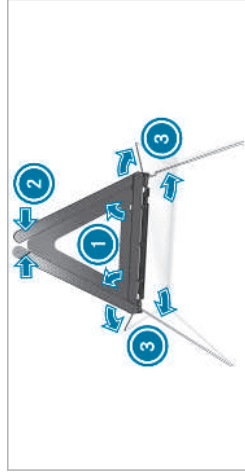
Warning triangle

Removing the warning triangle



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

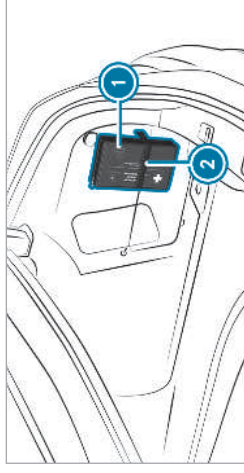
Setting up the warning triangle



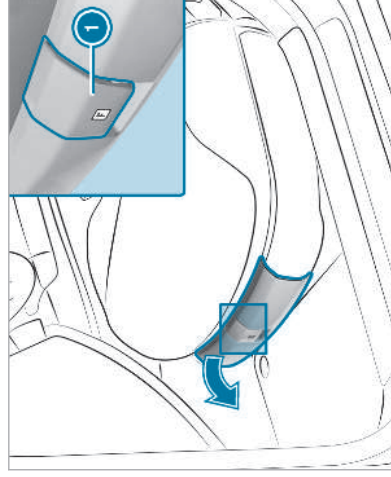
- ▶ Fold side reflectors ① upwards to form a triangle and attach at the top using upper press-stud ②.
- ▶ Fold legs ③ down and out to the side.

First-aid kit (soft sided)

First-aid kit (soft sided) ① is located on the right-hand side of the boot and is secured with Velcro strip ②.



Removing the fire extinguisher



! **NOTE** Damage to the stowage compartment

Keep the stowage compartment closed while the vehicle is moving.

Pull handle 1 up and fold the cover forwards in the direction of the arrow.

Remove the fire extinguisher from the stowage compartment.

Flat tyre Notes on flat tyres

▲ **WARNING** Risk of accident due to a flat tyre

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

Tyres without run-flat characteristics:

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

Tyres with run-flat characteristics:

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

In the event of a flat tyre, the following options are available depending on your vehicle's equipment:

- **Vehicles with MOExtended tyres:** it is possible to continue the journey for a short period of time. Make sure you observe the notes on MOExtended tyres (run-flat tyres) (→ page 470).
- **Vehicles with a TIREFIT kit:** you can repair the tyre so that it is possible to continue the journey for a short period of time. To do this, use the TIREFIT kit (→ page 471).
- **Vehicles with Mercedes me connect:** you can make a call for breakdown assistance via the overhead control panel in the case of a breakdown (→ page 399).
- **All vehicles:** change the wheel (→ page 499).

Notes on MOExtended tyres (run-flat tyres)

▲ WARNING Risk of accident when driving in limp-home mode

Driving in emergency mode impairs the handling characteristics of the vehicle.

- ▲ Do not exceed the permissible maximum speed of the MOExtended tyres.
- ▲ Avoid any abrupt steering and driving manoeuvres as well as driving over obstacles (kerbs, pot holes, off-road). This applies, in particular, to a loaded vehicle.

▲ Stop driving in the emergency mode if you notice:

- banging noise
- vehicle vibration
- smoke which smells like rubber
- continuous ESP® intervention
- cracks in the tyre sidewalls

▲ After driving in emergency mode, have the rims checked by a qualified special-

ist workshop with regard to their further use.

▲ The defective tyre must be replaced in every case.

With MOExtended tyres (run-flat tyres), you can continue to drive your vehicle even if there is a total loss of pressure in one or more tyres. However, the tyre affected must not show any clearly visible damage.

You can recognise MOExtended tyres by the MOExtended marking which appears on the side wall of the tyre.

Vehicles with tyre pressure monitoring system: MOExtended tyres may only be used in conjunction with an activated tyre pressure monitoring system.

If a pressure loss warning message appears in the driver's display, proceed as follows:

- Check the tyre for damage.
- If driving on, observe the following notes.

Driving distance possible in emergency mode after the pressure loss warning:

| Load condition | Driving distance possible in emergency mode |
|-----------------|---------------------------------------------|
| Partially laden | 80 km |
| Fully laden | 30 km |

The driving distance possible in emergency mode may vary depending on the driving style. Observe the maximum permissible speed of 80 km/h.

If a tyre has gone flat and cannot be replaced with an MOExtended tyre, you can use a standard tyre as a temporary measure.

TIREFIT kit storage location

Depending on the vehicle's equipment, the storage bag for the TIREFIT kit is located in the luggage compartment or on the left side of the storage net. Comply with the loading guidelines (→ page 119).

i You can find information on the power category (LK) and/or electrical data on the back of the tyre inflation compressor:

- LK2 – 12 V / 15 A, 180 W, 0.8 kg

At a distance of approximately 1 m to the tyre inflation compressor and approximately 1.6 m above the ground, the following sound pressure levels apply:

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

The tyre inflation compressor is maintenance-free. If there is a malfunction, please contact a qualified specialist workshop.

Using the TIREFIT kit

Requirements:

- Tyre sealant bottle and tyre inflation compressor (→ page 470).
- TIREFIT sticker
- Gloves (depending on the vehicle equipment)

You can use TIREFIT tyre sealant to seal perforation damage of up to 4 mm, particularly those in the tyre contact surface. You can use TIREFIT in outside temperatures down to -20 °C.

▲ WARNING Risk of accident when using tyre sealant

The tyre sealant may be unable to seal the tyre properly, especially in the following cases:

- there are cuts or punctures in the tyre larger than damage previously mentioned.
- the wheel rim is damaged.
- you have driven at very low tyre pressures or on a flat tyre.

▲ Do not drive on.

▲ Consult a qualified specialist workshop.

▲ WARNING Risk of injury and poisoning from tyre sealant

Tyre sealant is hazardous to health and causes irritation. Do not allow it to come into contact with your skin, eyes or clothing, and do not swallow it. Do not inhale any vapours. Keep the tyre sealant away from children.

Observe the following if you come into contact with the tyre sealant:

▲ Rinse off the tyre sealant from your skin using water immediately.

▲ If tyre sealant gets into your eyes, thoroughly rinse them using clean water immediately.

▲ If tyre sealant has been swallowed, thoroughly rinse out your mouth immediately and drink plenty of water. Do not induce vomiting and seek medical attention immediately.

▲ Change out of clothing which has come into contact with tyre sealant immediately.

472 Breakdown assistance

▲ If an allergic reaction occurs, seek medical attention immediately.

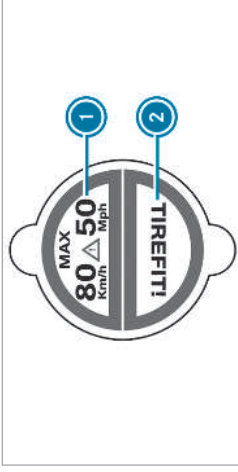
■ **NOTE** Overheating due to the tyre inflation compressor running too long

▲ Do not run the tyre inflation compressor for longer than ten minutes without interruption.

Comply with the manufacturer's safety notes on the sticker on the tyre inflation compressor.

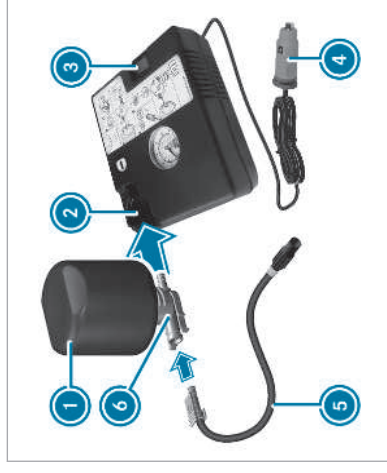
Have the tyre sealant bottle replaced in a qualified specialist workshop every five years.

▲ Do not remove any foreign objects which have entered the tyre.



▲ Affix part ① of the TIREFITTI sticker to the instrument cluster within the driver's field of vision.

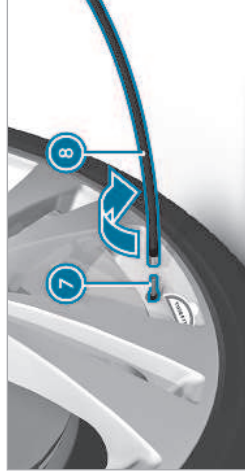
▲ Affix part ② of the TIREFITTI sticker near the valve on the wheel with the defective tyre.



▲ Pull plug ④ with the cable and hose ⑤ out of the tyre inflation compressor housing.

▲ Push the plug of hose ⑤ into flange ⑥ of tyre sealant bottle ① until the plug engages.

▲ Place tyre sealant bottle ① head downwards into recess ② of the tyre inflation compressor.



Remove the cap from valve ⑦ on the faulty tyre.

Screw filling hose ⑧ onto valve ⑦.

Insert plug ④ into a 12 V socket in your vehicle.

Switch on the ignition.

Switch on the tyre inflation compressor using the On/Off switch ⑩.

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 ten minutes.
The tyre should then have attained a tyre pressure of at least 200 kPa (2.0 bar/29 psi).

If tyre sealant leaks out, make sure you clean the affected area as quickly as possible. It is preferable to use clean water.

If you get tyre sealant on your clothing, have it cleaned as soon as possible with perchloroethylene.

If, after ten minutes, a tyre pressure of 200 kPa (2.0 bar/29 psi) has not been attained:

Switch off the tyre inflation compressor.

Unscrew the filling hose from the valve of the defective tyre.

Please note that tyre sealant may leak out when unscrewing the filling hose.

Drive forwards or reverse very slowly for approximately 10 m.

▲ Pump up the tyre again.
After a maximum of ten minutes the tyre pressure must be at least 200 kPa (2.0 bar/29 psi).

▲ **WARNING** Risk of accident due to the specified tyre pressure not being attained

If the minimum 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.

The braking and driving characteristics may be greatly impaired.

▲ Do not continue driving.

▲ Consult a qualified specialist workshop.

If, after ten minutes, a tyre pressure of 200 kPa (2.0 bar/29 psi) has been attained:

▲ Switch off the tyre inflation compressor.

▲ Unscrew the filling hose from the valve of the defective tyre.

474 Breakdown assistance

⚠ WARNING Risk of accident from driving with sealed tyres

A tyre temporarily sealed with tyre sealant impairs the handling characteristics and is not suitable for higher speeds.

▶ Adapt your driving style accordingly and drive carefully.

▶ Do not exceed the maximum speed limit with a tyre that has been repaired using tyre sealant.

▶ Observe the maximum permissible speed for a tyre sealed with tyre sealant 80 km/h.

ℹ NOTE Staining from leaking tyre sealant

After use, excess tyre sealant may leak out from the filling hose.

▶ Therefore, place the filling hose in the plastic bag that contained the TIREFIT kit.

♻ ENVIRONMENTAL NOTE Environmental pollution caused by environmentally irresponsible disposal

Tyre sealant contains pollutants.

▶ Have the tyre sealant bottle disposed of professionally, e.g. at a Mercedes-Benz Service Centre.

▶ Stow the tyre sealant bottle, the tyre inflation compressor and the warning triangle.

▶ Pull away immediately.

▶ Stop driving after approximately ten minutes and check the tyre pressure using the tyre inflation compressor.

The tyre pressure must now be at least 130 kPa (1.3 bar / 19 psi).

⚠ WARNING Risk of accident due to the specified tyre pressure not being attained

If the specified tyre pressure is not reached, the tyre is too badly damaged. The tyre sealant cannot repair the tyre in this instance.

The braking and driving characteristics may be greatly impaired.

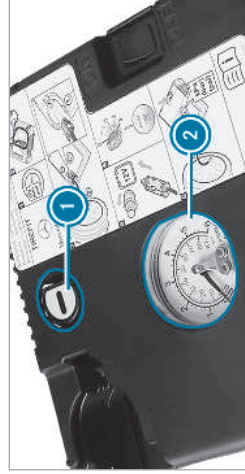
▶ Do not continue driving.
▶ Consult a qualified specialist workshop.

Countries that have Mercedes-Benz

Service24h: you will find a sticker with the telephone number, e.g. on the B-pillar on the driver's side.

▶ Correct the tyre pressure if it is still at least 130 kPa (1.3 bar / 19 psi). See the tyre pressure table on the fuel filler flap for values.

▶ **To increase the tyre pressure:** switch on the tyre inflation compressor.



- ▶ **To reduce the tyre pressure:** press pressure release button ① next to manometer ②.
- ▶ When the tyre pressure is correct, unscrew the filling hose from the valve of the sealed tyre.
- ▶ Screw the valve cap onto the valve of the sealed tyre.
- ▶ Pull the tyre sealant bottle out of the tyre inflation compressor.
The filling hose stays on the tyre sealant bottle.

▶ Drive to the nearest qualified specialist workshop and have the tyre, tyre sealant bottle and filling hose replaced there.

Battery (vehicle) Notes on the 12 V battery

▲ WARNING Risk of an accident due to work carried out incorrectly on the battery

Work carried out incorrectly on the battery can, for example, lead to a short circuit. This can restrict functions relevant for safety systems and impair the operating safety of your vehicle.

You could lose control of the vehicle in the following situations in particular:

- when braking
- in the event of abrupt steering manoeuvres and/or when the vehicle's speed is not adapted to the road conditions

▶ In the event of a short circuit or a similar incident, contact a qualified specialist workshop immediately.

▶ Do not drive on.
▶ Always have work on the battery carried out at a qualified specialist workshop.

- Further information on ABS (→ page 204)
- Further information on ESP® (→ page 204)

For safety reasons, Mercedes-Benz recommends that you only use batteries which have been tested and approved for your vehicle by Mercedes-Benz.

All vehicles except vehicles with a lithium-ion battery

▲ WARNING Risk of explosion due to electrostatic charge

Electrostatic charge can ignite the highly explosive gas mixture in the battery.

▶ To discharge any electrostatic charge that may have built up, touch the metal

476 Breakdown assistance

vehicle body before handling the battery.

The highly flammable gas mixture is created while the battery is charging and during starting assistance.

- ▲ WARNING** Danger of chemical burns from the battery acid
- Battery acid is caustic.
- ▲ Avoid contact with the skin, eyes or clothing.
- ▲ Do not lean over the battery.
- ▲ Do not inhale battery gases.
- ▲ Keep children away from the battery.
- ▲ Immediately rinse battery acid off thoroughly with plenty of clean water and seek medical attention immediately.

All vehicles

 **ENVIRONMENTAL NOTE** Environmental damage due to improper disposal of batteries



Batteries contain pollutants. It is illegal to dispose of them with the household rubbish.



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



Risk of explosion.



Fire, naked flames and smoking are prohibited when handling the battery. Avoid creating sparks.



Electrolyte or battery acid is corrosive. Avoid contact with the skin, eyes or clothing. Wear suitable protective clothing, in particular gloves, an apron and a face mask. Immediately rinse electrolyte or acid splashes off with clean water. Consult a doctor if necessary.



Wear safety glasses.



Keep children away.

If you have to disconnect the 12 V battery, contact a qualified specialist workshop.

Comply with safety notes and take protective measures when handling batteries.



Observe this Owner's Manual.

Observe the following if you do not intend to use the vehicle over an extended period of time:

- Activate standby mode.
- Alternatively: connect the battery to a battery charger approved by Mercedes-Benz or consult a qualified specialist workshop to disconnect the battery.

Hinweise zur Starthilfe und zum Laden der 12-V-Batterie

Fahrzeuge mit Lithium-Ionen-Batterie

Für das Laden der Batterie und die Starthilfe immer den Fremdstart-Stützpunkt im Motorraum verwenden.

! **NOTE** Damaging the battery through overvoltage

When using a battery charger without a maximum charging voltage, the battery or the vehicle electronics may be damaged.

- ▲ Only use battery chargers with a maximum charging voltage of 14.8 V.

Alle anderen Fahrzeuge

Für das Laden der Batterie und die Starthilfe immer den Fremdstart-Stützpunkt im Motorraum verwenden.

! **NOTE** Damaging the battery through overvoltage

When using a battery charger without a maximum charging voltage, the battery or the vehicle electronics may be damaged.

- ▲ Only use battery chargers with a maximum charging voltage of 14.8 V.

! **WARNING** Risk of explosion from hydrogen gas igniting

There is a danger of hydrogen gas igniting when charging the battery if there is a short circuit or sparks start to form.

- ▲ Make sure that the positive terminal of the connected battery does not come into contact with vehicle parts.
- ▲ Never place metal objects or tools on a battery.

The described order of the battery clamps must be observed when connecting and disconnecting the battery.

- ▲ When giving starting assistance, always make sure that you only connect battery terminals with identical polarity.

During starting assistance, you must observe the described order for connecting and disconnecting the jump lead.

- ▲ Do not connect or disconnect the battery clamps while the engine is running.

478 Breakdown assistance

▲ WARNING Risk of explosion during charging process and starting assistance. During the charging process and starting assistance, the battery may release an explosive gas mixture.

- ▶ Avoid fire, naked flames, creating sparks and smoking.
- ▶ Make sure there is sufficient ventilation.
- ▶ Do not lean over a battery.

▲ WARNING Risk of explosion from a frozen battery

A discharged battery may freeze at temperatures slightly above or below freezing point. During starting assistance or battery charging, battery gas can be released.

- ▶ Always allow a battery to thaw before charging it or performing starting assistance.

Wenn bei niedrigen Temperaturen die Kontroll-/Warnleuchten im Kombiinstrument nicht angehen, ist die entladene Batterie mit sehr hoher Wahrscheinlichkeit gefroren. In diesem Fall dürfen Sie die Batterie weder laden noch dem Fahrzeug Starthilfe geben.

Die Lebensdauer einer wieder aufgetauten Batterie kann drastisch verkürzt sein. Das Startverhalten kann sich verschlechtern, insbesondere bei niedriger Temperatur.

Die Überprüfung einer aufgetauten Batterie in einer qualifizierten Fachwerkstatt wird empfohlen.

Alle Fahrzeuge

! **NOTE** Damage caused by numerous or extended attempts to start the engine

Numerous or extended attempts to start the engine may damage the catalytic converter due to non-combusted fuel.

▶ Avoid numerous and extended attempts to start the engine.

Beachten Sie folgende Punkte bei der Starthilfe und dem Laden der Batterie:

- Nur unbeschädigte Starthilfe-/Ladekabel mit ausreichendem Querschnitt und isolierten Polklemmen verwenden.
- Unisolierte Teile der Polklemmen dürfen nicht mit anderen Metallteilen in Berührung kommen, solange die Starthilfe-/Ladekabel mit der Batterie/dem Fremdstart-Stützpunkt verbunden sind.
- Die Starthilfe-/Ladekabel dürfen keine Teile berühren, die sich bei laufendem Motor bewegen können.
- Achten Sie stets darauf, dass weder Sie noch die Batterie elektrostatisch aufgeladen sind.
- Vermeiden Sie unbedingte Feuer und offenes Licht.
- Beugen Sie sich nicht über eine Batterie.

Beachten Sie beim Laden der Batterie zusätzlich folgende Punkte:

- Nur für Mercedes-Benz geprüfte und freigegebene Ladegeräte verwenden.

- Die Betriebsanleitung des Ladegeräts lesen, bevor Sie die Batterie laden.

Beachten Sie bei der Starthilfe zusätzlich folgende Punkte:

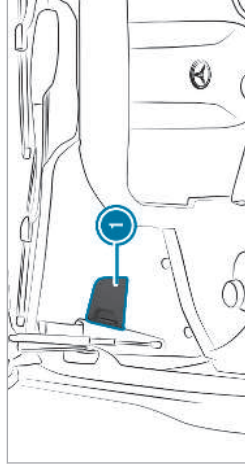
- Nur von Fahrzeugen, Batterien oder entsprechenden Starthilfegeräten mit 12 V Nennspannung Starthilfe geben lassen.
- Die Fahrzeuge dürfen sich nicht berühren.
- **Fahrzeuge mit Benzinmotor:** Nur bei kaltem Motor und abgekühlter Abgasanlage Starthilfe geben lassen.

Starting assistance and charging the 12 V battery

Preparing starting assistance/the charging process

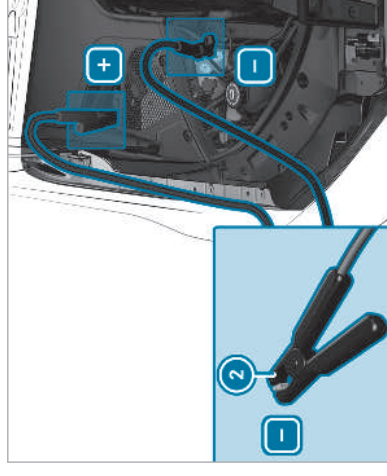
- ▲ Secure the vehicle by applying the electric parking brake.
- ▲ Select transmission position **P**.
- ▲ Switch off the ignition and all electrical consumers.

- ▲ Open the bonnet.



- ▲ Open cover ① of the positive contact.

Starting assistance



- ▲ Connect the positive contacts of the vehicles with the jump lead. Start with your own vehicle first.

- ▲ Start the engine of the donor vehicle and run it at idling speed.

- ▲ Connect negative terminal ② of the donor battery to the earth point of your vehicle

- ▲ using the jump lead. Start with the donor vehicle first.
- ▲ Start the engine of your own vehicle.
- ▲ Let the engines run for several minutes.
- ▲ Before disconnecting the jump leads, switch on an electrical consumer in your own vehicle, e.g. the rear window heater or the lighting.

When starting assistance has finished:

- ▲ First remove the jump lead from the earth point of your own vehicle and the negative pole of the donor battery, then remove the jump lead from the positive contacts of both vehicles. Always start with your own vehicle first.
- ▲ Close cover ❶ of the positive contact.

Further information can be obtained at a qualified specialist workshop.

Charging the 12 V battery

- ▲ Connect the positive contacts of the vehicle and the charger with the charging cable. Start with the vehicle first.
- ▲ Connect the negative contact of the charger and earth point ❷ on the vehicle with the charging cable. Start with the charger first.
- ▲ Start the charging process.

When the charging process is complete:

- ▲ Remove the charging cable from earth point ❷ on the vehicle and the negative contact of the charger first and then from the positive contacts on the vehicle and charger. Always start with the vehicle first.
- ▲ Close cover ❶ of the positive contact.

Replacing the 12 V battery

- ▲ Observe the notes on the 12 V battery (→ page 475).

Mercedes-Benz recommends that you have the 12 V battery replaced at a qualified specialist

workshop, e.g. at a Mercedes-Benz Service Centre.

Observe the following notes if you want to replace the battery yourself:

- Always replace a faulty battery with a battery which meets the specific vehicle requirements.

The vehicle is equipped with an AGM technology battery (Absorbent Glass Mat) or a lithium-ion battery. Full vehicle functionality is only guaranteed with an AGM battery or lithium-ion battery. For safety reasons,

Mercedes-Benz recommends that you only use batteries which have been tested and approved for your vehicle by Mercedes-Benz.

- Carry over detachable parts, such as vent hoses, elbow fittings or terminal covers from the battery being replaced.
- Make sure that the vent hose is always connected to the original opening on the side of the battery.

Fit any existing or supplied cell caps.

Otherwise, gases or battery acid could escape.

- Make sure that detachable parts are reconnected in the same way.

Tow-starting or towing away
Zulässige Abschleppmethoden

! **NOTE** Damage from automatic braking

If one of the following functions is switched on, the vehicle brakes automatically in certain situations:

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

To avoid damage to the vehicle, deactivate these systems in the following or similar situations:

- ▶ During towing
- ▶ In a car wash

Mercedes-Benz empfiehlt Ihnen im Pannenfall Ihr Fahrzeug zu transportieren, statt es abzuschleppen.

Verwenden Sie zum Abschleppen mit beiden Achsen am Boden ein Abschleppseil oder eine Abschleppstange. Verwenden Sie keine Tow-Bal-Systeme (→ page 271).

! **NOTE** Damage to the vehicle due to towing away incorrectly

- ▶ Observe the instructions and notes on towing away.

Abschleppen mit angehobener Achse: Das Abschleppen sollte durch ein Abschleppunternehmen erfolgen.

Zulässige Abschleppmethoden

| Fahrzeuge mit Automatikgetriebe | |
|----------------------------------------|--------------------------------------------------------------|
| Beide Achsen am Boden | Ja, maximal 50 km mit 50 km/h |
| Vorderachse angehoben | Nein |
| Hinterachse angehoben | Ja, wenn Lenkrad mit Lenkradkralle in Mittelstellung fixiert |
| 4MATIC-Fahrzeuge | |
| Beide Achsen am Boden | Ja, maximal 50 km mit 50 km/h |
| Vorderachse angehoben | Nein |
| Hinterachse angehoben | Nein |

Towing the vehicle with both axles on the ground

- ▲ Observe the notes on the permitted towing methods (→ page 481).
- ▲ Make sure that the battery is connected and charged.

When the battery is discharged, the following actions cannot be performed:

- the engine cannot be started
- the electric parking brake cannot be released or applied
- the automatic transmission cannot be shifted to position **N** or **P**

ⓘ If the automatic transmission cannot be shifted to position **N** or the driver's display in the instrument cluster does not show anything, have the vehicle transported away (→ page 483). A towing vehicle with lifting equipment is required for vehicle transportation.

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

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

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

! **WARNING** Risk of accident when towing a vehicle which is too heavy

If the vehicle being tow-started or towed away is heavier than the permissible gross mass, the following situations can occur:

- the towing eye may become detached.
- the car/trailer combination may swerve or even overturn.

▲ If another vehicle is tow-started or towed away, its weight must not exceed

the permissible gross mass of your own vehicle.

If a vehicle must be tow-started or towed away, its weight must not exceed the permissible gross mass of the towing vehicle.

▲ Information on the permissible gross mass of the vehicle can be found on the vehicle identification plate (→ page 561).

▲ Do not open the driver's door or front passenger door, otherwise the automatic transmission automatically shifts to position

P.

▲ Fit the towing eye (→ page 484).

▲ Fasten the tow bar.

! **NOTE** Damage due to incorrect connection of the tow bar

▲ Only connect the tow rope or tow bar to the towing eyes.

ⓘ You can also attach the tow bar to the trailer hitch.

- ▲ Deactivate the automatic locking mechanism (→ page 74).
- ▲ Do not activate the HOLD function.
- ▲ Deactivate tow-away protection (→ page 95).
- ▲ Deactivate Active Brake Assist (→ page 214).
- ▲ Shift the automatic transmission to position **N**.
- ▲ Release the electric parking brake.

▲ **WARNING** Risk of accident due to limited safety-related functions during the towing process

- Safety-related functions are limited or no longer available in the following situations:
- the ignition is switched off.
 - the brake system or power steering system is malfunctioning.
 - the energy supply or the on-board electrical system is malfunctioning.

When your vehicle is then towed away, significantly more effort may be required to steer and brake than is normally required.

- ▲ Use a tow bar.
- ▲ Make sure that the steering wheel can move freely, before towing the vehicle away.

▲ **NOTE** Damage due to excessive tractive power

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

- ▲ Pull away slowly and smoothly.

Fahrzeug zum Transport verladen

- ▲ Die Hinweise zum Abschleppen beachten (→ page 482).
- ▲ Zum Verladen des Fahrzeugs die Abschleppvorrichtung an der Abschleppöse befestigen.

- ① Sie können die Abschleppvorrichtung auch an der Anhängervorrichtung befestigen.
Das Automatikgetriebe in Stellung **N** bringen.

- ① Bei Störungen der Elektrik kann das Automatikgetriebe in Stellung **P** blockiert sein. Zum Schalten in **N** das Bordnetz mit Spannung versorgen (→ page 479).

▲ Das Fahrzeug anheben, um eine größere Bodenfreiheit zu erreichen .

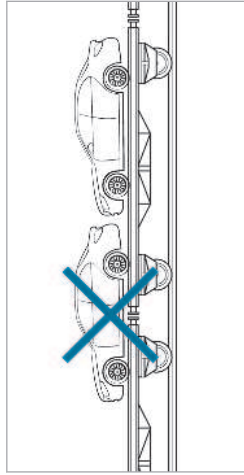
▲ Das Fahrzeug verladen.

▲ Das Automatikgetriebe in Stellung **P** bringen.

▲ Das Fahrzeug mit der elektrischen Feststellbremse gegen Wegrollen sichern.

▲ Das Fahrzeug nur an den Rädern festzurren.

4MATIC Fahrzeuge

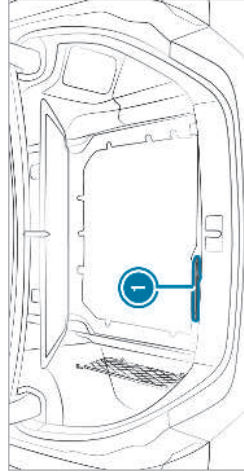


▶ Darauf achten, dass Vorder- und Hinterachse auf dem gleichen Transportfahrzeug zum Stehen kommen.

! NOTE Damage to the drivetrain due to incorrect positioning

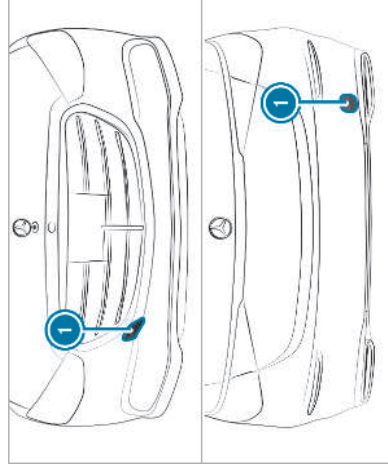
▶ Do not position the vehicle above the connection point of the transport vehicle.

Towing eye storage location



Towing eye ① is located with the vehicle tool kit under the boot floor.

Installing the towing eye



▶ Press the mark on cover ① inwards and remove.

▶ Screw in the towing eye clockwise as far as it will go and tighten.

Vehicles with a trailer hitch: vehicles with a trailer hitch do not have a rear bracket for the

towing eye. Fasten the tow bar to the trailer hitch.

- ⓘ Make sure that cover ❶ engages in the bumper when you remove the towing eye.

! **NOTE** Damage to the vehicle due to incorrect use of the towing eye

When a towing eye is used to recover a vehicle, the vehicle may be damaged in the process.

- ▶ Only use the towing eye to tow away or tow start the vehicle.

Tow-starting the vehicle (emergency engine start)

! **NOTE** Damage to the automatic transmission due to tow-starting

The automatic transmission may be damaged in the process of tow-starting vehicles with automatic transmission.

- ▶ Vehicles with automatic transmission must not be tow-started.

- ▶ Do not tow-start the vehicle.

Electrical fuses
Notes on electrical fuses

⚠ **WARNING** Risk of accident and injury due to overloaded lines

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

This could result in a fire.

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

! **NOTE** Damage due to incorrect fuses

Electrical components or systems may be damaged by incorrect fuses, or their functionality may be significantly impaired.

- ▶ Only use fuses that have been approved by Mercedes-Benz and which have the correct fuse rating.

Blown fuses must be replaced with fuses of the same rating, which you can recognise by the colour and fuse rating. The fuse ratings and further information to be observed can be found in the fuse assignment diagram.

Fuse assignment diagram: in the vehicle document wallet.

! **NOTE** Damage or malfunctions caused by moisture

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

▲ When the fuse box is open, make sure that no moisture can enter the fuse box.

▲ When closing the fuse box, make sure that the seal of the lid is positioned correctly on the fuse box.

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

- Ensure the following before replacing a fuse:
- The vehicle is secured against rolling away.
 - All electrical consumers are switched off.
 - The ignition is switched off.

The electrical fuses are located in the following fuse boxes:

- Fuse box in the engine compartment on the driver's side (→ page 486)
- Fuse box on the driver's side of the cockpit (→ page 488)
- Fuse box in the front passenger footwell (→ page 488)

- Fuse box in the boot on the right-hand side of the vehicle, when viewed in the direction of travel (→ page 489)

Opening and closing the fuse box in the engine compartment

Requirements:

- Observe the notes on electrical fuses (→ page 485).
- Have the following tools readily available:
 - a dry cloth
 - a screwdriver

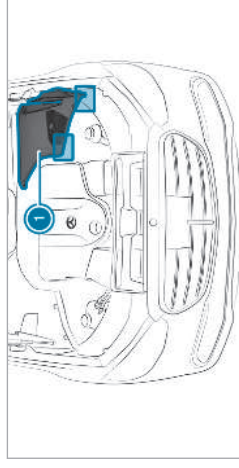
Opening

- ⓘ Depending on the vehicle equipment, access to the fuse box may be limited. Mercedes-Benz recommends consulting a qualified specialist workshop, e.g. a Mercedes-Benz Service Centre.

▲ WARNING Risk of injury from using the windshield wipers while the engine bonnet is open

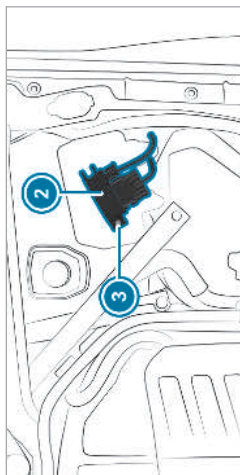
When the engine bonnet is open, and the windshield wipers are set in motion, you can be trapped by the wiper linkage.

- ▲ Always switch off the windshield wipers and ignition before opening the engine bonnet.

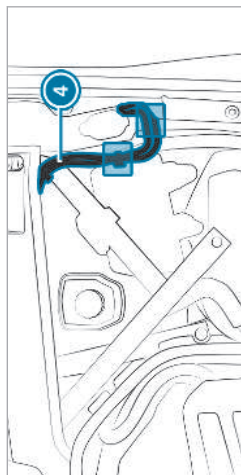


▲ Release the rotary catches on cover ❶ and pull the cover up and out.

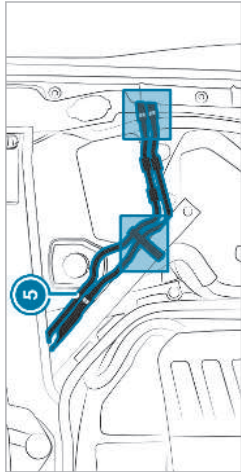
▲ Remove any existing moisture from the fuse box using a dry cloth.



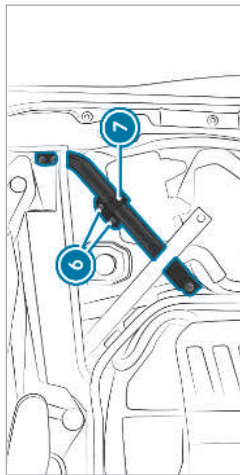
Depending on the vehicle equipment, there may be an electrical component **2** on the fuse box lid. If present, unscrew screw **3** and put the component to the side without disconnecting the electrical connection.



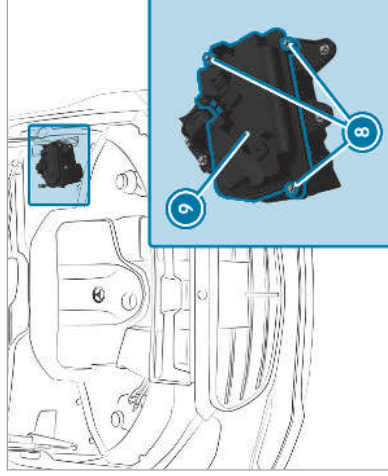
If present, release hoses **4** from the retaining clips on the fuse box and vehicle body.



If present, release hoses **5** from the retaining clips in the engine compartment and vehicle body.



Unscrew screws **6** and fold out bar **7**.



- ▲ Unscrew screws ⑧ and remove fuse box lid ⑨ to the side.

Closing

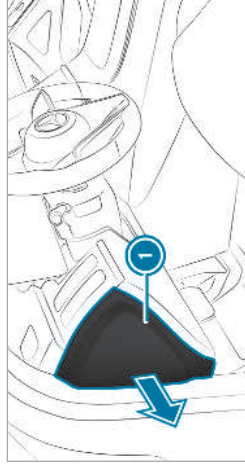
- ▲ Check whether the seal is positioned correctly in lid ⑨.
- ▲ Place lid ⑨ on the fuse box and tighten screws ⑧.
- ▲ Fold back bar ⑦ and tighten screws ⑥.

- ▲ If present, engage hoses ⑤ in the retaining clips in the engine compartment and vehicle body.
- ▲ If present, engage hoses ④ in the retaining clips on the fuse box and vehicle body.
- ▲ If present, insert electrical component ② into the holder on the fuse box lid and tighten screws ③.
- ▲ Insert cover ① and engage the rotary catches.

Opening and closing the fuse box in the cockpit

Requirements:

- Observe the notes on electrical fuses (→ page 485).

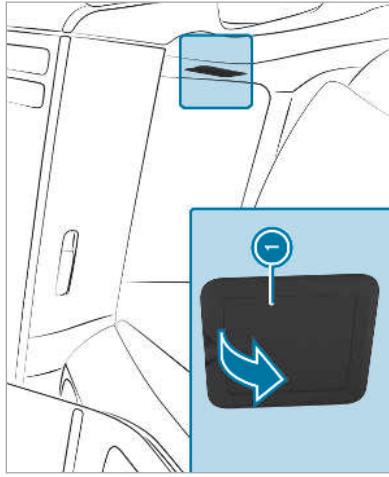


- ▲ Open cover ① in the direction of the arrow and remove it.

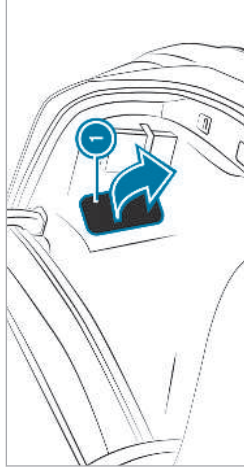
Opening and closing the fuse box in the front passenger footwell

Requirements:

- Observe the notes on electrical fuses (→ page 485).



▲ Open cover ① in the direction of the arrow and remove it.



▲ Fold cover ① down in the direction of the arrow.

Opening and closing the fuse box in the boot

Requirements:

- Observe the notes on electrical fuses (→ page 485).

490 Wheels and tyres

Notes on noise or unusual handling characteristics

Make sure there are no vibrations, noises or unusual handling characteristics when the vehicle is in motion. This may indicate that the wheels or tyres are damaged. Hidden tyre damage could also be causing the unusual handling characteristics.

If you suspect that a tyre is defective, reduce your speed immediately and have the tyres and wheels checked at a qualified specialist workshop.

Notes on regularly inspecting wheels and tyres

▲ WARNING Risk of injury through damaged tyres

Damaged tyres can cause tyre pressure loss.

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

▲ WARNING Risk of aquaplaning due to insufficient tyre tread

Insufficient tyre tread will result in reduced tyre grip.

The risk of aquaplaning is increased on wet roads, especially when the speed of the vehicle is not adapted to suit the conditions.

▶ Thus, you should regularly check the tread depth and the condition of the tyre contact surface across the entire width of all tyres.

Minimum tread depth for:

- Summer tyres: 3 mm
- M+S tyres: 4 mm

▶ For safety reasons, replace the tyres before the legally-prescribed limit for the minimum tread depth is reached.

Carry out the following checks on all wheels regularly, at least once a month or as required, for example, prior to a long journey or driving off-road:

- Check the tyre pressure (→ page 491).
- Visually inspect wheels and tyres for damage.
- Check the valve caps.
- Visual check of the tyre tread depth and the tyre contact surface across the entire width. The minimum tread depth for summer tyres is 3 mm and for winter tyres 4 mm.

Notes on snow chains

▲ WARNING Risk of accident due to incorrect snow chain fitting

If you have fitted snow chains to the front wheels, the snow chains may drag against the vehicle body or chassis components. This could cause damage to the vehicle or the tyres.

▲ Never fit snow chains on the front wheels.

▲ Only fit snow chains on the rear wheels in pairs.

Observe the following notes when using snow chains:

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

- **Vehicles with rear axle steering:** if snow chains are fitted, only drive with snow chain mode active (→ page 491).

ⓘ You can permanently limit the maximum vehicle speed for driving with winter tyres (→ page 218).

ⓘ You can deactivate ESP® to pull away (→ page 206). This allows the wheels to spin, achieving an increased driving force.

Activating or deactivating snow chain mode

Multimedia system:

-  →  ▶ **Vehicle quick-access**
▶ Activate or deactivate **Snow chain mode**.

When the function is active, the vehicle behaves as if snow chains are mounted. For example, the maximum steering movement of the rear wheels is limited.

Tyre pressure

Notes on tyre pressure

▲ **WARNING** Risk of accident due to insufficient or excessive tyre pressure

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.

▶ Comply with the recommended tyre pressure and check the tyre pressure of all tyres including the spare wheel regularly:

- at least once a month
- when the load changes

492 Wheels and tyres

- before embarking on a longer journey
- if operating conditions change, e.g. off-road driving
- ▶ Adjust the tyre pressure as necessary.

Tyre pressure which is too high or too low can:

- Shorten the service life of the tyres.
- Cause increased tyre damage.
- Adversely affect driving characteristics and thus driving safety, e.g. due to aquaplaning.

A WARNING Risk of accident from repeated tyre pressure drop

If the tyre pressure drops repeatedly, the wheel, valve or tyre may be damaged.

Insufficient tyre pressure can cause the tyres to burst.

- ▶ Inspect the tyre for signs of foreign objects.
- ▶ Check whether the wheel or valve has a leak.

- ▶ If you are unable to rectify the damage, contact a qualified specialist workshop.

Information on the recommended tyre pressure for the vehicle's factory-fitted tyres can be found on the tyre pressure table on the inside of the fuel filler flap (→ page 492).

Use a suitable pressure gauge to check the tyre pressure. The outer appearance of a tyre does not permit any reliable conclusion about the tyre pressure.

Only correct tyre pressures when the tyres are cold. Conditions for cold tyres:

- The vehicle has been parked with the tyres out of direct sunlight for at least three hours.
- The vehicle has travelled less than 1.6 km.

The vehicle's tyres heat up when driving. As the temperature of the tyres increases, so too does the tyre pressure.

Vehicles with a tyre pressure monitoring system: you can also check the tyre pressure using the on-board computer.

Notes on trailer operation

Always inflate the rear axle tyres to the recommended tyre pressures on the tyre pressure table for increased load.


Tyre pressure table

The tyre pressure table is on the inside of the fuel filler flap.

The image shows a tyre pressure table with a header indicating '100 kPa = 1 bar'. The table is organized into columns for different vehicle configurations and load conditions, with rows for different tyre types. The columns are labeled 'kPa' and 'PSI'. The rows are labeled with tyre types: 'S', 'S', 'S', 'S', 'S', 'S', 'S', 'S', 'S', 'S'. The table is divided into two main sections: 'A 213.504_37_03' and '1304627'. The table contains numerical values for recommended tyre pressures in both kPa and PSI.

| | kPa | | PSI | |
|-----------------|-----|--|-----|--|
| 100 kPa = 1 bar | | | | |
| S | | | | |
| S | | | | |
| S | | | | |
| S | | | | |
| S | | | | |
| S | | | | |
| S | | | | |
| S | | | | |
| S | | | | |
| A 213.504_37_03 | | | | |
| 1304627 | | | | |

If one or more tyre sizes precede a tyre pressure, the following tyre pressure information is only valid for those tyre sizes and their respective load condition.

If the preceding tyre sizes are complemented by the  symbol, the tyre pressure information following shows alternative tyre pressures. Fuel consumption may then increase slightly.

The load conditions "partially laden" and "fully laden" are defined in the table for different numbers of passengers and amounts of luggage. The actual number of seats may differ from this.


Tyre pressure monitoring system

Function of the tyre pressure monitoring system

The tyre pressure and the tyre temperature appear in the multifunction display (→ page 493).

If there is a substantial pressure loss or if the tyre temperature is excessive, you will be warned in the following ways:

- via display messages (→ page 625)

- via the  warning lamp in the instrument cluster (→ page 648)

The tyre pressure monitoring system is only an aid. It is the driver's responsibility to set the tyre pressure to the recommended cold tyre pressure suitable for the operating situation.

In most cases, the tyre pressure monitoring system will automatically update the new reference values after you have changed the tyre pressure. You can, however, also update the reference values by restarting the tyre pressure monitoring system manually (→ page 494).

System limits

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

- the tyre pressure has been set incorrectly
- there is a sudden pressure loss caused, for example, by a foreign object penetrating the tyre
- there is a malfunction caused by another radio signal source

Checking the tyre pressure with the tyre pressure monitoring system

Requirements:

- The ignition is switched on.

On-board computer:



Reifendruck

One of the following displays appears:

- Current tyre pressure of each wheel:



- Tyre pressures will be displayed after a few minutes of driving
- Tyre pressure monitor active: the teach-in process of the system is not yet complete.

494 Wheels and tyres

The tyre pressures are already being monitored.

- ▶ Compare the tyre pressure with the recommended tyre pressure for the current operating condition (→ page 492). Observe the notes on tyre temperature (→ page 491).

ⓘ The values displayed in the multifunction display may deviate from those of the tyre pressure gauge as they refer to 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 pressure.

Be sure to also pay attention to the following related topic:

- Notes on tyre pressure (→ page 491)

Restarting the tyre pressure monitoring system

Requirements:

- The recommended tyre pressure is correctly set for the respective operating status on each of the four wheels (→ page 491).

Restart the tyre pressure monitoring system in the following situations:

- The tyre pressure has changed.
- The wheels or tyres have been changed or newly fitted.

On-board computer:

→  ▶▶ Tyre pressure

▶ Swipe downwards on Touch Control on the left-hand side of the steering wheel.

The **Use current tyre pressures as new reference values?** message is shown in the multifunction display.

▶ Press **[OK]** to confirm the restart.

The **Tyre pressure monitor restarted** message is shown in the multifunction display.

Current warning messages are deleted and the yellow  warning lamp goes out.

After you have been driving for a few minutes, the system checks whether the current tyre pressures are within the specified range. The current tyre pressures are then accepted as reference values and monitored.

Be sure to also pay attention to the following related topic:

- Notes on tyre pressure (→ page 491)

Wheel change

Notes on selecting, fitting and replacing tyres

⚠ **WARNING** Risk of accident due to incorrect dimensions of wheels and tyres

If wheels and tyres of the wrong size are used, the wheel brakes or wheel suspension components may become damaged.

- ▶ 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** Risk of injury through exceeding the specified tyre load-bearing capacity or the permissible speed rating

Exceeding the load-bearing capacity of the tyres can lead to tyre damage and could cause the tyres to explode.

- ▲ Therefore, only use tyre types and sizes approved for your vehicle model.
- ▲ Observe the tyre load-bearing capacity rating and speed rating required for your vehicle.

! **NOTE** Vehicle and tyre damage through tyre types and sizes that have not been approved

For safety reasons, only use tyres, wheels and accessories which have been specially approved by Mercedes-Benz for your vehicle.

These tyres are specially adapted to the control systems, such as ABS, ESP® and 4MATIC, and marked as follows:

- MO = Mercedes-Benz Original
- MOE = Mercedes-Benz Original Extended (run-flat tyres only for certain wheels)
- MO1 = Mercedes-Benz Original (only certain AMG tyres)

Certain characteristics, such as handling, vehicle noise emissions, consumption, etc. may otherwise be adversely affected. Furthermore, other tyre sizes could result in the tyres rubbing against the body and axle components when loaded. This could result in damage to the tyre or the vehicle.

Only use tyres, wheels and accessories that have been checked and recommended by Mercedes-Benz.

! **NOTE** Risk to driving safety from retreaded tyres

Retreaded tyres are neither tested nor recommended by Mercedes-Benz, since previous damage cannot always be detected on retreaded tyres.

For this reason driving safety cannot be guaranteed.

- ▲ Do not use used tyres if you have no information about their previous usage.

! **NOTE** Possible damage to wheels or tyres when driving over obstacles

Large wheels have a lower tyre section width. The lower the tyre section width, the greater is the risk of damage to wheels or tyres when driving over obstacles.

496 Wheels and tyres

▲ Avoid obstacles or drive particularly carefully.

! **NOTE** Possible wheel and tyre damage when parking on kerbs or in potholes

Parking on kerbs or in potholes may damage the wheels and tyres.

▲ If possible, park only on flat surfaces.
▲ Avoid kerbs and potholes when parking.

! **NOTE** Damage to electronic component parts from the use of tyre-fitting tools

Vehicles with a tyre pressure monitoring system: electronic component parts are located in the wheel. Tyre-fitting tools should not be applied in the area of the valve.

The tools could damage the electronic component parts.

▲ Have the tyres changed at a qualified specialist workshop only.

! **NOTE** Damage to summer tyres at low ambient temperatures

At low ambient temperatures, tears could form when driving with summer tyres, causing permanent damage to the tyre.

▲ At temperatures below 7 °C, use M+S tyres.

Accessory parts 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

▲ **WARNING** Risk of accident with high performance tyres

There is an increased risk of skidding and aquaplaning when using sport tyres on wet roads.

In addition, the tyre grip is greatly reduced at a low outside temperature and tyre running temperature.

- ▲ Activate ESP® and adapt your driving style accordingly.
- ▲ Use M+S tyres at outside temperatures below 10 °C.
- ▲ Only use the tyres for their intended purpose.

Observe the following when selecting, fitting and replacing tyres:

- Country-specific requirements for tyre approval that define a specific tyre type for your vehicle.
- Only use tyres and wheels of the same type (summer tyres, winter tyres, MOExtended tyres) and the same make.
- Only fit wheels of the same size on one axle (left and right).


It is only permissible to fit a different wheel size in the event of a flat tyre in order to drive to the specialist workshop.

- Do not make any modifications to the brake system, the wheels or the tyres.

The use of shims or brake dust shields is not permitted and may invalidate the vehicle's general operating permit.

- Vehicles with a tyre pressure monitoring system:** all fitted wheels must be equipped with functioning sensors for the tyre pressure monitoring system.

- At temperatures below 7 °C, use winter tyres or all-season tyres marked M+S for all wheels.

Winter tyres bearing the  snowflake symbol in addition to the M+S marking provide the best possible grip in wintry road conditions.


- For M+S tyres, only use tyres with the same tread.
- Observe the maximum permissible speed for the M+S tyres fitted.

If the tyre's maximum speed is below that of the vehicle, this must be indicated by an

appropriate label in the driver's field of vision.

- Run in new tyres at moderate speeds for the first 100 km.
- Replace the tyres after six years at the latest, regardless of wear.

- When replacing with tyres that do not feature run-flat characteristics:** vehicles with MOExtended tyres are not equipped with a TIREFIT kit at the factory. Equip the vehicle with a TIREFIT kit after replacing with tyres that do not feature run-flat characteristics, e.g. winter tyres.

-  You can permanently limit the maximum vehicle speed for driving with winter tyres (→ page 218).

For more information on wheels and tyres, contact a qualified specialist workshop.

Be sure to also observe the following further related subjects:

- Notes on tyre pressure (→ page 491)
- Tyre pressure table (→ page 492)

- Notes on the emergency spare wheel (→ page 504)

Notes on interchanging wheels

-  **WARNING** Risk of injury through different wheel sizes

Interchanging the front and rear wheels if the wheels or tyres have different dimensions may severely impair the driving characteristics.

The disk brakes or wheel suspension components may also be damaged.

-  Rotate front and rear wheels only if the wheels and tyres are of the same dimensions.

Interchanging the front and rear wheels if the wheels or tyres have different dimensions can render the general operating permit invalid.

498 Wheels and tyres

The wear patterns on the front and rear wheels differ:

- Front wheels wear more on the shoulder of the tyre
- Rear wheels wear more in the centre of the tyre

Do not drive with tyres that have too little tread depth. This significantly reduces traction on wet roads (aquaplaning).

On vehicles with the same front and rear wheel size, you can interchange the wheels every 5,000 to 10,000 km, depending on the wear. Ensure the direction of rotation is maintained for the wheels.

Observe the instructions and safety notes on "Changing a wheel" when doing so (→ page 499).

Notes on storing wheels

When storing wheels, observe the following notes:

- After removing wheels, store them in a cool, dry and preferably dark place.

- Protect the tyres from contact with oil, grease or fuel.

Overview of the tyre-change tool kit

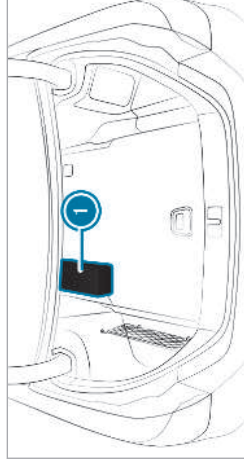
Apart from some country-specific variants, vehicles are not equipped with a tyre-change tool kit. For more information on which tyre-changing tools are required and approved for performing a wheel change on your vehicle, consult a qualified specialist workshop.

Required tyre-change tools may include, for example:

- Jack
- Chock
- Wheel wrench

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

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



Tool bag contains:

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

Setting up the folding chock



Preparing the vehicle for a wheel change

Requirements:

- The required tyre-change tool kit is available.
If your vehicle is not equipped with the tyre-change tool kit, consult a qualified specialist workshop to find out about suitable tools.

- The vehicle is not on a slope.
- The vehicle is on solid, non-slippery and level ground.

Apply the electric parking brake manually.
Move the front wheels to the straight-ahead position.

Vehicles with automatic transmission:
shift into position **[P]**.

Vehicles with level control system: set the normal vehicle level (→ page 233).

Switch off the engine.

Make sure that the engine cannot be started.
Place chocks or other suitable items under the front and rear of the wheel that is diagonally opposite the wheel you wish to change.

Remove the hub caps if necessary (→ page 499).

Raise the vehicle (→ page 500).

Removing and fitting hub caps

Requirement:

- The vehicle is prepared for a wheel change (→ page 499).

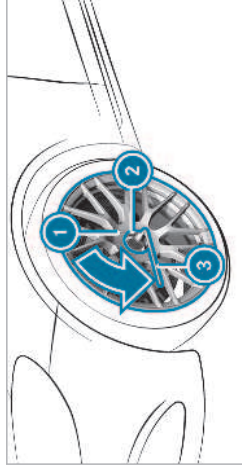
Plastic hub cap

To remove: turn the centre cover of the hub cap anti-clockwise and remove the hub cap.

To fit: make sure that the centre cover of the hub cap is turned anti-clockwise.

Position the hub cap and turn the centre cover clockwise until the hub cap engages physically and audibly.

Aluminium hub cap



500 Wheels and tyres

▲ **To remove:** position socket ② on hub cap ①.

ⓘ The socket can be found in the tyre-change tool kit.

▲ Position wheel spanner ③ on socket ②. Using wheel spanner ③, turn hub cap anti-clockwise and remove it.

▲ **To fit:** follow the instructions above in reverse order.

ⓘ **Specified tightening torque:** 25 Nm.

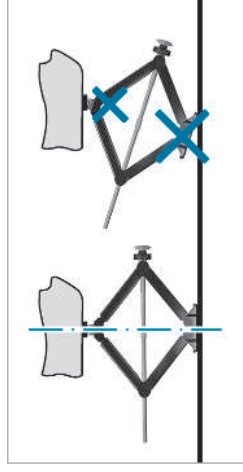
Raising the vehicle when changing a wheel

Requirements:

- There are no persons in the vehicle.
- The vehicle has been prepared for a wheel change (→ page 499).
- The hub caps have been removed (→ page 499).

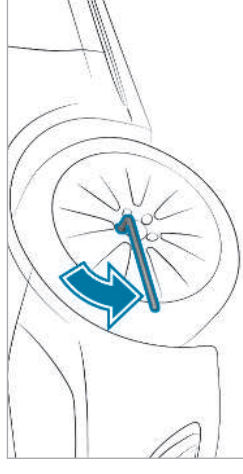
Important notes on using the jack:

- Use only a vehicle-specific jack that has been approved by Mercedes-Benz to raise the vehicle.
- The jack is only designed for raising and holding the vehicle for a short time while a wheel is being changed and not for maintenance work under the vehicle.
- The jack must be placed on a firm, flat and non-slip surface.
- The foot of the jack must be positioned vertically under the jack support point.

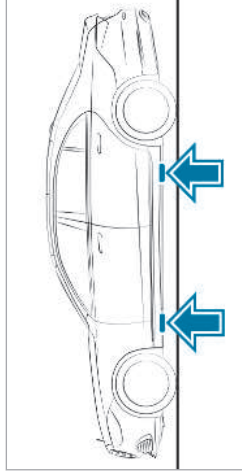


Rules of conduct when the vehicle is raised:

- Never place your hands or feet under the vehicle.
- Never lie under the vehicle.
- Do not start the engine and do not release the electric parking brake.
- Do not open or close any doors or the boot lid.



▲ Using the wheel wrench, loosen the wheel bolts on the wheel you wish to change by about one full turn. Do not unscrew the bolts completely.



Position of jack support points

▲ WARNING Risk of injury from incorrect positioning of the jack

If you do not position the jack correctly at the appropriate jacking point of the vehicle, the jack could tip with the vehicle raised.

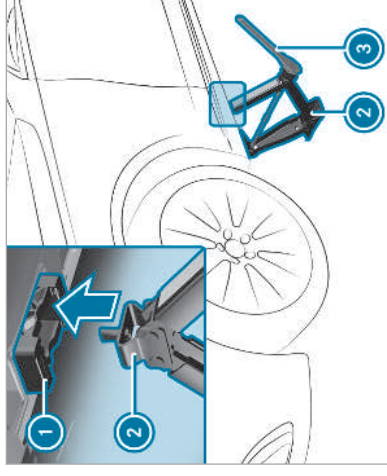
- ▲ Only position the jack at the appropriate jacking point of the vehicle. The base of the jack must be positioned vertically under the jacking point of the vehicle.

! NOTE Vehicle damage from the jack

If you do not position the jack correctly at the appropriate jack support point of the vehicle, the jack could tip over with the vehicle raised.

- ▲ The jack is designed exclusively for jacking up the vehicle at the jack support points.

Take the ratchet ring spanner out of the tyre-change tool kit and place it on the hexagon nut of the jack so that the letters "AUF" are visible.



- ▲ Position jack **②** at jack support point **①**.
- ▲ Turn ratchet ring spanner **③** clockwise until jack **②** sits completely on jack support point **①** and the base of the jack lies evenly on the ground.
- ▲ Continue to turn ratchet ring spanner **③** until the tyre is raised a maximum of 3 cm off the ground.
- ▲ Loosen and remove the wheel (→ page 502).

502 Wheels and tyres

Removing a wheel

Requirements:

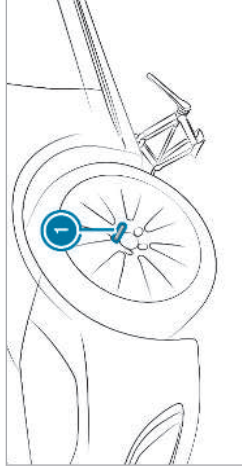
- The vehicle is raised (→ page 500).

When changing a wheel, avoid applying any force to the brake discs, since this could impair the level of comfort when braking.

! **NOTE** Damage to threading from dirt on wheel bolts

▲ Do not place wheel bolts in sand or on a dirty surface.

▲ Unscrew the uppermost wheel bolt completely.



▲ Screw centring pin 1 into the thread instead of the wheel bolt.

▲ Unscrew the remaining wheel bolts completely.

▲ Remove the wheel.

▲ Fit the new wheel (→ page 502).

Fitting a new wheel

▲ **WARNING** Risk of accident from losing a wheel

Oiled or greased wheel bolts can cause the wheel bolts to come loose, as too can damaged wheel bolts or wheel hub threads.

▲ Never oil or grease the threads.

▲ In the event of damage to the threads, contact a qualified specialist workshop immediately.

▲ Have the damaged wheel bolts or damaged hub threads replaced.

▲ Do not continue driving.

▲ Observe the information on the choice of tyres (→ page 494).

For tyres with a specified direction of rotation, an arrow on the side wall of the tyre indicates the correct direction of rotation. Observe the direction of rotation when fitting.

▲ Slide the wheel to be mounted onto the centring pin and push it on.

▲ **WARNING** Risk of injury from tightening wheel bolts and nuts

If you tighten the wheel bolts or wheel nuts when the vehicle is raised, the jack could tip.

▲ Only tighten wheel bolts or wheel nuts when the vehicle is on the ground.

▲ Be sure to observe the instructions and safety notes on "Changing a wheel" (→ page 494).

▲ For safety reasons, only use wheel bolts which have been approved by Mercedes-Benz and for the wheel in question.

▲ Tighten the wheel bolts evenly in a diagonal pattern in the order indicated ① to ⑤ with finger-tight.

▲ Unscrew and remove the centring pin.

▲ Tighten the last wheel bolt until it is finger-tight.

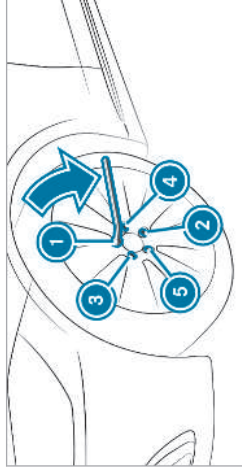
▲ Lower the vehicle (→ page 503).

Lowering the vehicle after a wheel change

Requirements:

- The new wheel has been fitted (→ page 502).

▲ **To lower the vehicle:** place the ratchet onto the hexagon nut of the jack so that the letters "AB" are visible and turn the ratchet of the jack to the left.



▲ Tighten the wheel bolts evenly in a diagonal pattern in the order indicated ① to ⑤ with a maximum of 80 Nm.

▲ Tighten the wheel bolts evenly in a diagonal pattern in the order indicated ① to ⑤ the specified tightening torque of 150 Nm.

▲ **WARNING** Risk of injury through incorrect tightening torque

The wheels could come loose if the wheel bolts or wheel nuts are not tightened to the prescribed tightening torque.

▲ Ensure that the wheel bolts or nuts are tightened to the prescribed tightening torque.

▲ If you are not sure, do not move the vehicle. Consult a qualified specialist workshop and have the tightening torque checked immediately.

▲ Check the tyre pressure of the newly fitted wheel and adjust it if necessary.

▲ **Vehicles with a tyre pressure monitoring system:** restart the tyre pressure monitoring system (→ page 494).

▲ **Exception:** the new wheel is an emergency spare wheel.

Emergency spare wheel

Notes on the emergency spare wheel

A **WARNING** Risk of accident caused by incorrect wheel and tyre dimensions

The emergency spare wheel or spare wheel can significantly impair driving characteristics of the vehicle.

To prevent hazardous situations:

- ▶ **Drive carefully.**
- ▶ Never fit more than one emergency spare wheel or spare wheel that differs in size.
- ▶ **Only use an emergency spare wheel or spare wheel briefly.**
- ▶ Do not deactivate ESP®.
- ▶ Have the emergency spare wheel or spare wheel of a different size replaced at the nearest qualified specialist workshop. The new wheel must have the correct dimensions.

Check the tyre pressure of the emergency spare wheel fitted. Correct the pressure as necessary. The maximum permissible speed with an emergency spare wheel fitted is 80 km/h. Do not fit the emergency spare wheel with snow chains.

Replace the emergency spare wheel after six years at the latest, regardless of wear.

i **Vehicles with a tyre pressure monitoring system:** if an emergency spare wheel is fitted the tyre pressure monitoring system cannot function reliably. For a few minutes after an emergency spare wheel is fitted, the system may still display the tyre pressure of the removed wheel. Only restart the system again when the emergency spare wheel has been replaced with a new wheel.

Be sure to also observe the following further related subjects:

- Notes on tyre pressure (→ page 491)
- Tyre pressure table (→ page 492)
- Notes on fitting tyres (→ page 494)

Notes on technical data

The technical data was determined in accordance with EU Directives. The data stated only applies to vehicles with standard equipment. You can obtain further information from a Mercedes-Benz Service Centre.

Only for certain countries: you can find vehicle-specific vehicle data in the COC documents (CERTIFICATE OF CONFORMITY). These documents are delivered with your vehicle.

On-board electronics

Notes on tampering with the engine electronics

! **NOTE** Premature wear through improper maintenance

Improper maintenance may cause vehicle components to wear more quickly and the vehicle's operating permit may be invalidated.

▲ Always have work on the engine electronics and related components carried out at a qualified specialist workshop.

! **NOTE** Increased wear and tear or damage caused by measures undertaken to increase performance

Engine management measures undertaken to increase performance can lead to increased wear and tear or damage to the drive system.

▲ Do not undertake engine management measures to increase performance.

Two-way radios

Notes on fitting two-way radios

! **WARNING** Risk of accident due to improper work on two-way radios

The electromagnetic radiation from two-way radios can interfere with the on-board electronics if RF transmitters are manipulated or retrofitted incorrectly.

This could jeopardise the operating safety of the vehicle.

▲ You should have all work on electrical and electronic components carried out at a qualified specialist workshop.

! **WARNING** Risk of accident from incorrect operation of two-way radios

If you operate two-way radios incorrectly in the vehicle, the electromagnetic radiation could interfere with the on-board electronics, e.g.:

- if the two-way radio is not connected to an exterior aerial
- if the exterior aerial is not correctly mounted or is not of low reflection

This could jeopardise the operating safety of the vehicle.

▲ Have the low-reflection exterior aerial fitted at a qualified specialist workshop.

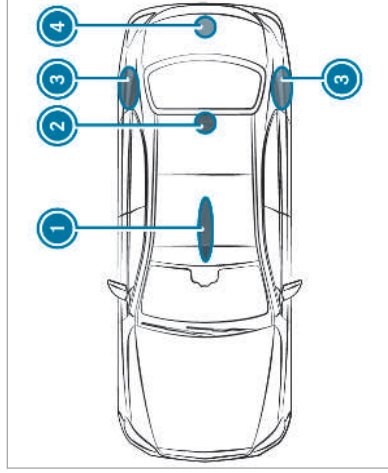
506 Technical data

▲ When operating two-way radios in the vehicle, always connect them to the low-reflection exterior aerial.

! **NOTE** Invalidation of the operating permit due to failure to comply with the instructions for installation and use

The operating permit may be invalidated if the instructions for installation and use of two-way radios are not observed.

- ▲ Only use approved frequency bands.
- ▲ Observe the maximum permissible output power in these frequency bands.
- ▲ Only use approved aerial positions.



- 1 Front roof area
- 2 Rear roof area
- 3 Rear wings
- 4 Boot lid

On vehicles with a panoramic sliding sunroof, fitting an aerial to the front or rear roof area is not permitted.

On the rear wings, it is recommended that you fit the aerial on the side of the vehicle closest to the centre of the road.

Use Technical Specification ISO/TS 21609 (Road Vehicles - "EMCs for installation of aftermarket radio frequency transmitting equipment") when retrofitting two-way radios. Comply with the legal requirements for detachable parts.

If your vehicle has fittings for two-way radio equipment, use the power supply and aerial connectors provided in the pre-installation. Observe the manufacturer's supplements when fitting.

Two-way radio transmission output

The maximum transmission output (PEAK) at the base of the aerial must not exceed the values in the following table:

Frequency band and maximum transmission output

| Frequency band | Maximum transmission output |
|---------------------------------------------|-----------------------------|
| Short wave 3 - 54 MHz | 100 W |
| 4 m frequency band 74 - 78 MHz | 30 W |
| 2 m frequency band 144 - 174 MHz | 50 W |
| Trunked radio system/Tetra 380 - 460 MHz | 10 W |
| 70 cm frequency band 400 - 460 MHz | 35 W |
| Two-way radio (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 frequency band and a maximum transmission output of up to 2 W (trunked radio system/Tetra)
- mobile phones (2G/3G/4G)

There are no restrictions when positioning the aerial on the outside of the vehicle for some wavebands.

This applies to the following wavebands:

- Trunked radio system/Tetra
- 70 cm frequency band
- 2G/3G/4G

Radio equipment approvals for the vehicle components
Overview of manufacturers

| Manufacturer's abbreviated designation | Manufacturer information |
|----------------------------------------|-----------------------------------------------------------------------------------------------|
| ADC | ADC Automotive Distance Control Systems GmbH, Peter-Dornier-Strasse 10, 88131 Lindau, Germany |
| Gentex | Gentex Corporation, 600 North Centennial Street, Zeeland MI 49464, USA |
| HELLA | HELLA KGaA Hueck & Co., Rixbecker Straße 75, 59552 Lippstadt, Germany |

508 Technical data

| Manufacturer's abbreviated designation | Manufacturer information | Manufacturer's abbreviated designation | Manufacturer information | Manufacturer's abbreviated designation | Manufacturer information |
|----------------------------------------|--------------------------------------------------------------------------------------------|----------------------------------------|---------------------------------------------------------------------|----------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Hirschmann | Hirschmann Car Communication GmbH, Stuttgarter Str. 45-51, 72654 Neckartenzlingen, Germany | LEOPOLD KOSTAL | LEOPOLD KOSTAL GmbH & Co. KG, Hauert 11, 44227 Dortmund, Germany | Bosch | Robert Bosch GmbH, Daimlerstrasse 6, 71229 Leonberg, Germany |
| Huf Baolong | Huf Baolong Electronics Bretten GmbH, Gewerbestrasse 40, 75015 Bretten, Germany | MARQUARDT | MARQUARDT GmbH, Schloßstraße 16, 78604 Rietheim-Weilheim, Germany | Schrader | Schrader Electronics Ltd., 11 Technology Park, Belfast Road, Antrim BT41 1QS, Northern Ireland, United Kingdom |
| HUF | HUF Hülsbeck & Fürst GmbH & Co. KG, Steeger Straße 17, 42551 Velbert, Germany | Meta System | Meta System S.P.A., Via T. Galimberti 5, 42124 Reggio Emilia, Italy | | |
| KATHREIN | KATHREIN Automotive GmbH & Co. KG, Römerring 1, 31137 Hildesheim, Germany | | | | |


Argentina


|  Manufacturer | Model designation | Radio equipment approval number |
|--------------------------------------------------------------------------------------------------|-------------------------------------------|---------------------------------|
| Bosch | MRR 1Rear (radar sensor) | C-21798 |
| Bosch | MRRe14FCR (radar sensor) | C-20030 |
| ADC | ARS4-A (radar sensor) | C-18005 |
| ADC | ARS4-B (radar sensor) | C-17908 |
| Huf Baolong | TSSRE4A (tyre pressure monitoring sensor) | H-20027 |





|  Manufacturer | Model designation | Radio equipment approval number |
|--------------------------------------------------------------------------------------------------|-------------------------------------------|---------------------------------|
| Schrader | AG5SP4 (tyre pressure monitoring sensor) | H-4788 |
| Schrader | GG4T (tyre pressure monitoring sensor) | H-20495 |
| Schrader | DG6W2D4 (tyre pressure monitoring sensor) | H-20959 |
| MAR-QUARDT | DC12A (locking system) | H-17689 |
| MAR-QUARDT | DC12B (locking system) | H-21034 |


|  Manufacturer | Model designation | Radio equipment approval number |
|------------------------------------------------------------------------------------------------|--------------------------|---------------------------------|
| MAR-QUARDT | DC12K (locking system) | H-21035 |
| MAR-QUARDT | MS2 (locking system) | H-17598 |
| MAR-QUARDT | MK1 (locking system) | H-17213 |
| MAR-QUARDT | MK2 (locking system) | H-17212 |
| MAR-QUARDT | 3350.38 (locking system) | H-23166 |
| HELLA | DM4 (locking system) | H-17845 |

510 Technical data

|  | | |
|-------------------------------------------------------------------------------------|------------------------------|-----------------------------------------------|
| Manu- facturer | Model designation | Radio equip- ment approval number |
| HELLA | MARSKEYLESS (locking system) | H-17929 |
| HUF | HUF14632 (locking system) | H-15541 |
| HUF | HUF4761 (locking system) | H-11545 |
| LEOPOLD KOSTAL | KK1 (locking system) | H-16874 |
| Hirsch- mann | 920287A (locking system) | H-15694 |

|  | | |
|-------------------------------------------------------------------------------------|---------------------------|-----------------------------------------------|
| Manu- facturer | Model designation | Radio equip- ment approval number |
| Hirsch- mann | 920287B (locking system) | H-15695 |
| KATHREI N | RKE213E1 (locking system) | H-15475 |

| Australia  | | |
|-------------------------------------------------------------------------------------------------------|---------------------------------------------|-------------------------------------------------------------------------------------|
| Manu- facturer | Model designation | Radio equip- ment approval number |
| Huf Bao- long | TSSRE4A (tyre pressure monitoring sensor) |  |
| Huf Bao- long | TSSSG4G6 (tyre pressure monitoring sensor) |  |
| Huf Bao- long | TSSSG4G6b (tyre pressure monitoring sensor) |  |

|  | Manu- facturer | Model designation | Radio equip- ment approval number |
|-------------------------------------------------------------------------------------|-------------------|-----------------------------------------------------|-----------------------------------------------|
| Schrader | | AG5SP4 (tyre pres- sure monitoring sen- sor) | |
| Schrader | | GG4T (tyre pressure monitoring sensor) | |
| Schrader | | DG6W2D4 (tyre pres- sure monitoring sen- sor) | |

| Botswana | | | |
|-------------------|-----------------------------------------------------|-----------------------------------------------|--|
| Manu- facturer | Model designation | Radio equip- ment approval number | |
| Bosch | MRR1Rear (radar sen- sor) | BOCRA/T A/ 2017/37 88 | |
| ADC | ARS4-A (radar sen- sor) | BOCRA/T A/ 2018/20 26 | |
| ADC | ARS4-B (radar sen- sor) | BOCRA/T A/ 2019/45 82 | |
| Huf Bao- long | TSSRE4A (tyre pres- sure monitoring sen- sor) | No. 20233 | |


| Manu- facturer | Model designation | Radio equip- ment approval number |
|-------------------|----------------------------------------------------|-----------------------------------------------|
| Schrader | AG5SP4 (tyre pres- sure monitoring sen- sor) | No. 1967 |
| MAR- QUARDT | DC12A (locking sys- tem) | BOCRA/T A/ 2019/43 89 |
| MAR- QUARDT | DC12B (locking sys- tem) | BOCRA/T A/ 2019/43 88 |
| MAR- QUARDT | DC12K (locking sys- tem) | BOCRA/T A/ 2019/43 90 |


512 Technical data


| Manu- facturer | Model designation | Radio equip- ment approval number |
|-------------------|-------------------------------|-----------------------------------------------|
| MAR- QUARDT | MS2 (locking system) | BOCRA/T A/ 2019/42 61 |
| MAR- QUARDT | MK1 (locking system) | BOCRA/T A/ 2019/43 59 |
| MAR- QUARDT | MK2 (locking system) | BOCRA/T A/ 2019/43 60 |
| HUF | HUF4761 (locking sys- tem) | BOCRA/T A/ 2019/46 64 |

| Manu- facturer | Model designation | Radio equip- ment approval number |
|-------------------|------------------------------|-----------------------------------------------|
| LEOPOLD KOSTAL | KK 1 (locking system) | BOCRA/T A/ 2019/45 93 |
| Hirsch- mann | 920287A (locking system) | BOCRA/T A/ 2019/47 24 |
| Hirsch- mann | 920287B (locking system) | BOCRA/T A/ 2019/47 23 |
| KATHREI N | RKE213E1 (locking system) | BOCRA/T A/ 2019/43 87 |

| Brunei Darussalam | | |
|-------------------|------------------------------|---------------------------------------------------------|
| Manu- facturer | Model designation | Radio equip- ment approval number |
| Bosch | LRR3 (radar sensor) | DRQ-D- MAJU-02- 2011-111 083- LPD-3182 0 |
| Bosch | MRR1Rear (radar sen- sor) | DRQ- DMAJU-0 2-2011-11 108 3- LPD-3150 4 |


|  | | Model designation | Radio equipment approval number |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------|-------------------|---------------------------------|
| Bosch | MRRre14FCR (radar sensor) | | DTA-000793 |
| Huf Baolong | TSSRE4A (tyre pressure monitoring sensor) | | DTA No. 000310 |
| Huf Baolong | TSSSG4G6 (Steuergerät) (control unit) (tyre pressure monitoring sensor) | | DTA No. 000311 |
| Huf Baolong | TSSSG4G6b (Steuergerät) (control unit) (tyre pressure monitoring sensor) | | DTA No. 003757 |


|  | | Model designation | Radio equipment approval number |
|-------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------------------------------------------------------------------|---------------------------------|
| Schrader | AG5SP4 (tyre pressure monitoring sensor) | DRQ-D-QAF AUTO-05-2003-108 9 4- LPD-295 59 DRQDJATI -07-2000-8916LPD-29665 | |
| Schrader | DG6W2D4 (tyre pressure monitoring sensor) | | DTA-001514 |


|  | | Manu- facturer | Model designation | Radio equipment approval number |
|-----------------------------------------------------------------------------------|--|-------------------|---------------------------------------|--------------------------------------|
| Schrader | | Schrader | MFR (tyre pressure monitoring sensor) | DTA No. 003893 |
| MAR-QUARDT | | MAR-QUARDT | DC12A (locking system) | DRQ-DIATI-07-2000-8916- LPD-38937 |
| MAR-QUARDT | | MAR-QUARDT | DC12B (locking system) | DRQ-DIATI-07-2000-10900 0 |


514 Technical data


|  | | Model designation | Radio equipment approval number |
|-------------------------------------------------------------------------------------|-------------------------|------------------------------------|---------------------------------|
| MAR-QUARDT | DC 12K (locking system) | DRQ-DJATI-07-2000-109 00 0 | |
| MAR-QUARDT | MS2 (locking system) | DRQ-DJATI-07-2000-891 6-LPD-388 90 | |


|  | | Model designation | Radio equipment approval number |
|-------------------------------------------------------------------------------------|----------------------|------------------------------------|---------------------------------|
| MAR-QUARDT | MK1 (locking system) | DRQ-DJATI-07-2000-891 6-LPD-335 67 | |
| MAR-QUARDT | MK2 (locking system) | DRQ-DJATI-07-2000-891 6-LPD-335 68 | |

|  | | Manufacturer | Model designation | Radio equipment approval number |
|-----------------------------------------------------------------------------------|--|--------------------------|----------------------------------------|---------------------------------|
| MAR-QUARDT | | 3350.38 (locking system) | DRQ-DJATI-07-2000-109 00 0 DTA-003 662 | |
| HELLA | | DM4 (locking system) | DRQ-DJATI-07-2000-109 00 0 DTA-000 351 | |

|  | | Model designation | Radio equipment approval number |
|-------------------------------------------------------------------------------------|------------------------------|-------------------------------------|---------------------------------|
| HELLA | MARSKEYLESS (locking system) | DRQ-DMAJU-02-2011-11108 3-LPD-39004 | |
| HUF | HUF14632 (locking system) | DRQ-DJATI-07-2000-8916-LPD-30012 | |

|  | | Model designation | Radio equipment approval number |
|-------------------------------------------------------------------------------------|--------------------------|--------------------------------------|---------------------------------|
| HUF | HUF4761 (locking system) | DRQ-DJATI-07-2000-10900 0-DTA-000615 | |
| LEOPOLD KOSTAL | KK1 (locking system) | DRQ-DMAJU-02-2011-11108 3-LPD-30419 | |

|  | | Model designation | Radio equipment approval number |
|-----------------------------------------------------------------------------------|--------------------------|--------------------------------------|---------------------------------|
| Hirschmann | 920287A (locking system) | DRQ-DJATI-07-2000-10900 0-DTA-001661 | |

|  | | |
|-------------------------------------------------------------------------------------|---------------------------|-------------------------------------|
| Manufacturer | Model designation | Radio equipment approval number |
| Hirschmann | 920287B (locking system) | DRQ-DIMAJU-02-2011-111083DTA-000794 |
| KATHREIN | RKE213E1 (locking system) | DRQ-DJATI-07-2000-8916-LPD-30360 |

| Ghana | | |
|--------------|------------------------|---------------------------------|
| Manufacturer | Model designation | Radio equipment approval number |
| ADC | ARS4-B (radar sensor) | 1R3-1M-7E1-160 |
| MAR-QUARDT | DC12A (locking system) | ZRO-M8-7E3-X50 |
| MAR-QUARDT | DC12B (locking system) | ZRO-M8-7E3-X51 |
| MAR-QUARDT | DC12K (locking system) | ZRO-M8-7E3-X52 |
| MAR-QUARDT | MS2 (locking system) | BR3-1M-GE-129 |

| Manufacturer | Model designation | Radio equipment approval number |
|--------------|------------------------------|---------------------------------|
| MAR-QUARDT | MK1 (locking system) | ZRO-M8-7E3-X4A |
| MAR-QUARDT | MK2 (locking system) | ZRO-M8-7E3-X4C |
| MAR-QUARDT | 3350.38 (locking system) | ZRO-M8-7E3-X3C |
| HELLA | DM4 (locking system) | BR3-1M-GE2-157 |
| HELLA | MARSKEYLESS (locking system) | BR3-1M-GE2-16A |
| HUF | HUF4761 (locking system) | EX6-6M-GE2-16C |

| Manufacturer | Model designation | Radio equipment approval number |
|----------------|---------------------------|---------------------------------|
| LEOPOLD KOSTAL | KK1 (locking system) | ZRO-M8-7E3-X49 |
| Hirschmann | 920287A (locking system) | ZRO-M8-7E3-X45 |
| Hirschmann | 920287B (locking system) | ZRO-M8-7E3-X47 |
| KATHREIN | RKE213E1 (locking system) | ZRO-M8-7E3-X53 |

Indonesia

| Manufacturer | Model designation | Radio equipment approval number |
|--------------|-------------------------|---------------------------------|
| Bosch | LRR3 (radar sensor) | 40556/SDPPI/2018 |
| Bosch | MRR1Rear (radar sensor) | 34538/SDPPI/2017 |
| Bosch | MRRe14FCR radar sensor | 53078/SDPPI/2017 PLG3612 |
| ADC | ARS4-A (radar sensor) | 36010/SDPPI/2017 2130 |

| Manufacturer | Model designation | Radio equipment approval number |
|--------------|--------------------------------------------|---------------------------------|
| ADC | ARS4-B (radar sensor) | 38132/SDPPI/2017 2130 |
| Huf Baolong | TSSRE4A (tyre pressure monitoring sensor) | 52166/SDPPI/2017 3533 |
| Schrader | AG5SP4-D (tyre pressure monitoring sensor) | 38892/SDPPI/2018 3612 |
| Schrader | GG4T (tyre pressure monitoring sensor) | 54083/SDPPI/2017 PLG3612 |

518 Technical data

| Manufacturer | Model designation | Radio equipment approval number |
|--------------|-------------------------------------------|---------------------------------|
| Schrader | DG6W2D4 (tyre pressure monitoring sensor) | 57058 / SDPPI/ 2018 / PLG3612 |
| Schrader | MC34MA4 (tyre pressure monitoring sensor) | 25626 / SDPPI/ 2015 / PLG3612 |
| MAR-QUARDT | DC 12A (locking system) | 50064 / SDPPI/ 2017 / 2208 |
| MAR-QUARDT | DC 12B (locking system) | 59840 / SDPPI/ 2019 / 7163 |

| Manufacturer | Model designation | Radio equipment approval number |
|--------------|------------------------|---------------------------------|
| MAR-QUARDT | DC12K (locking system) | 59838 / SDPPI/ 2019 / 7163 |
| MAR-QUARDT | MS2 (locking system) | 50154 / SDPPI/ 2017 / 2208 |
| MAR-QUARDT | MK1 (locking system) | 40283 / SDPPI/ 2015 / 2208 |
| MAR-QUARDT | MK2 (locking system) | 40282 / SDPPI/ 2015 / 2208 |

| Manufacturer | Model designation | Radio equipment approval number |
|--------------|------------------------------|---------------------------------|
| HELLA | DM4 (locking system) | 52221 / SDPPI/ 2017 / 6051 |
| HELLA | MARSKEYLESS (locking system) | 51484 / SDPPI/ 2017 / 2181 |
| HUF | HUF14632 (locking system) | 41618 / SDPPI/ 2018 / 3533 |
| HUF | HUF4761 (locking system) | 26742 / SDPPI/ 2015 |

| Manufacturer | Model designation | Radio equipment approval number |
|----------------|---------------------------|---------------------------------|
| LEOPOLD KOSTAL | KK1 (locking system) | 41121/SDPPI/2018/5125 |
| Hirschmann | 920287A (locking system) | 29510/SDPPI/2016/3159 |
| Hirschmann | 920287B (locking system) | 28238/SDPPI/2016/3159 |
| KATHREIN | RKE213E1 (locking system) | 41771/SDPPI/2018/5205 |

| Jordan | | |
|--------------|-------------------------|---------------------------------|
| Manufacturer | Model designation | Radio equipment approval number |
| Bosch | LRR3 (radar sensor) | TRC/LPD / 2009 / 15 |
| Bosch | MRR1Rear (radar sensor) | TRC/LPD / 2014 / 73 |
| Bosch | MRRe14FCR radar sensor | TRC/LPD / 2017 / 254 |
| ADC | ARS4-A (radar sensor) | TRC/LPD / 2014 / 126 |

| Manufacturer | Model designation | Radio equipment approval number |
|--------------|------------------------------------------------------------|---------------------------------|
| ADC | ARS4-B (radar sensor) | TRC/LPD / 2014 / 248 |
| Huf Baolong | TSSRE4A (tyre pressure monitoring sensor) | TRC/LPD / 2017 / 421 |
| Huf Baolong | TSSSG4G6 (control unit) (tyre pressure monitoring sensor) | TRC/LPD / 2017 / 422 |
| Huf Baolong | TSSSG4G6b (control unit) (tyre pressure monitoring sensor) | TRC/LPD / 2017 / 175 |

520 Technical data

| Manufacturer | Model designation | Radio equipment approval number |
|--------------|--------------------------------------------|---------------------------------|
| Schrader | AG5SP4-D (tyre pressure monitoring sensor) | TRC/LPD / 2019/21 |
| Schrader | MFR (tyre pressure monitoring sensor) | TRC/LPD / 2019/184 |
| Schrader | GG4T (tyre pressure monitoring sensor) | TRC/LPD / 2017/456 |
| Schrader | DG6W2D4 (tyre pressure monitoring sensor) | TRC/LPD / 2018/139 |


| Manufacturer | Model designation | Radio equipment approval number |
|--------------|--------------------------------------------|---------------------------------|
| Schrader | MC34/MA4 (tyre pressure monitoring sensor) | TRC/LPD / 2011/158 |
| MAR-QUARDT | DC12A (locking system) | TRC/LPD / 2017/175 |
| MAR-QUARDT | DC12B (locking system) | TRC/LPD / 2011/160 |
| MAR-QUARDT | DC12K (locking system) | TRC/LPD / 2011/161 |


| Manufacturer | Model designation | Radio equipment approval number |
|--------------|--------------------------|---------------------------------|
| MAR-QUARDT | MS2 (locking system) | TRC/LPD / 2017/116 |
| MAR-QUARDT | MK1 (locking system) | TRC/LPD / 2015/166 |
| MAR-QUARDT | MK2 (locking system) | TRC/LPD / 2015/167 |
| MAR-QUARDT | 3350.38 (locking system) | TRC/LPD / 2019/106 |


| Manufacturer | Model designation | Radio equipment approval number | Manufacturer | Model designation | Radio equipment approval number | Manufacturer | Model designation | Radio equipment approval number |
|--------------|------------------------------|---------------------------------|----------------|---------------------------|---------------------------------|--------------|------------------------------|---------------------------------|
| HELLA | DM4 (locking system) | TRC/LPD / 2017/399 | LEOPOLD KOSTAL | KK1 (locking system) | TRC/LPD / 2015/102 | Gentex | EUROII (locking system) | TRC/LPD / 2014/258 |
| HELLA | MARSKEYLESS (locking system) | TRC/LPD / 2017/183 | Hirschmann | 920287A (locking system) | TRC/LPD / 2011/149 | Gentex | MUAHL 5 (locking system) | TRC/LPD / 2015/299 |
| HUF | HUF14632 (locking system) | TRC/LPD / 2015/179 | Hirschmann | 920287B (locking system) | TRC/LPD / 2012/53 | KATHREIN | RKE213E1 (antenna amplifier) | TRC/LPD / 2015/236 |
| HUF | HUF4761 (locking system) | TRC/LPD / 2012/144 | KATHREIN | RKE213E1 (locking system) | TRC/LPD / 2015/236 | | | |


522 Technical data


Malaysia


|  | | |
|-------------------------------------------------------------------------------------|--------------------------|------------------------------------------|
| Manufacturer | Model designation | Radio equipment approval number |
| Bosch | LRR3 (radar sensors) | RALM/3 5A/ 0716/ S(16-232 4) |
| Bosch | MRR1Rear (radar sensors) | RALM/6 6A/ 0618/ S(18-246 8) |

|  | | |
|-------------------------------------------------------------------------------------|------------------------------------------------------------|------------------------------------------|
| Manufacturer | Model designation | Radio equipment approval number |
| Bosch | MRRre14FCR (radar sensors) | RALM/4 5A/ 0517/ S(17-157 6) |
| Huf Baolong | TSSRE4A (tyre pressure monitoring sensors) | CIDF170 00184 |
| Huf Baolong | TSSSG4G6 (control unit) (tyre pressure monitoring sensors) | RAQP/57 A/0817/ S(17-242 4) |





|  | | |
|-----------------------------------------------------------------------------------|-------------------------------------------------------|------------------------------------------|
| Manufacturer | Model designation | Radio equipment approval number |
| Schrader | AG5SP4-D (tyre pressure monitoring sensors) | RCDD/0 3A/ 0615/ S(19-209 4) |
| Schrader | MFR (control unit) (tyre pressure monitoring sensors) | RAQP/62 A/ 0419/S (19-1694) |

|  | | Model designation | Radio equipment approval number |
|-------------------------------------------------------------------------------------|--------------------------|------------------------------------------|---------------------------------|
| MAR-QUARDT | DC 12A (locking systems) | RDDK/3 3A/ 0317/ S(17-066 9) | |
| MAR-QUARDT | DC 12B (locking systems) | RAUU/6 2A/ 0311/ S(11-026 3) | |

|  | | Model designation | Radio equipment approval number |
|-------------------------------------------------------------------------------------|--------------------------|------------------------------------------|---------------------------------|
| MAR-QUARDT | DC 12K (locking systems) | RAUU/6 2A/ 0311/ S(11-026 4) | |
| MAR-QUARDT | MS2 (locking systems) | RDDK/31 A/0217/ S(17-040 5) | |
| MAR-QUARDT | MK1 (locking systems) | RAAU/14 C/0615/ S(15-105 7) | |

|  | | Model designation | Radio equipment approval number |
|-----------------------------------------------------------------------------------|-------------------------------|--------------------------------------|---------------------------------|
| MAR-QUARDT | MK2 (locking systems) | RAAU/12 C/0515/ S(15-105 9) | |
| HELLA | DM4 (locking systems) | RDDK/41 A/0717/ S(17-226 9) | |
| HELLA | MARSKEYLESS (locking systems) | RAAU/51 C/0417/ S(17-103 4) | |

524 Technical data

| | | | |
|-------------------------------------------------------------------------------------|---------------------------|-------------------------------|----------------------------------------------------------|
|  | Manu- facturer | Model designation | Radio equip- ment approval number |
| | HUF | HUF 14632 (locking systems) | RAYN/25 A/0715/ S(15-238 5) |
| | HUF | HUF4761 (locking systems) | RAAU/16 B/1112/ S(12-205 3) |
|  | Manu- facturer | Model designation | Radio equip- ment approval number |
| | LEOPOLD KOSTAL | KK1 (locking systems) | RAUU/27 C/0815/ S(15-295 3) |
| | | | |
|  | Manu- facturer | Model designation | Radio equip- ment approval number |
| | Hirsch- mann | 920287A (locking systems) | RAUU/6 3A/ 0311/ S(11-043 2) |
| | Hirsch- mann | 920287B (locking systems) | RAUU/2 2C/ 0615/ S(15-186 4) |
|  | Manu- facturer | Model designation | Radio equip- ment approval number |
| | KATHREI N | RKE213E1 (locking systems) | RAUU/2 8C/ 0915/ S(15-270 3) |
| | Meta | ITS/TPS (interior protection) | RAVG/18 Q/0212/ S(11-206 8) |
| | Meta | MUW II (interior protection) | RAVG/17 Q/0212/ S(11-206 7) |

| Morocco | | | | | | | | |
|--------------|---------------------------|---------------------------------|--------------|----------------------------------------------------------------------|---------------------------------|--------------|-----------------------------------------------------------------------|---------------------------------|
| Manufacturer | Model designation | Radio equipment approval number | Manufacturer | Model designation | Radio equipment approval number | Manufacturer | Model designation | Radio equipment approval number |
| Bosch | LRR3 (radar sensors) | MR 5371 ANRT 2010-02-02 | Huf Baolong | TSSRE4A (tyre pressure sensor) (tyre pressure monitoring sensors) | MR 14320 ANRT 2017-07-07 | Schrader | AG5SP4-D (tyre pressure sensor) (tyre pressure monitoring sensors) | MR 10216 ANRT 2015-03-18 |
| Bosch | MRR1Rear (radar sensors) | MR 9186 ANRT 2014-04-22 | Huf Baolong | TSSSG4G6 (control unit) (tyre pressure monitoring sensors) | MR 14319 ANRT 2017-07-07 | Schrader | MFR (control unit) (tyre pressure monitoring sensors) | MR 19527 ANRT 2019-04-30 |
| Bosch | MRRe14FCR (radar sensors) | MR 13900 ANRT 2017-05-04 | Huf Baolong | TSSSG4G6b (control unit) (tyre pressure monitoring sensors) | MR 19561 ANRT 2019-04-26 | Schrader | GG4T (tyre pressure monitoring sensors) | MR 14777 ANRT 2017-09-20 |
| ADC | ARS4-A (radar sensors) | MR 9490 ANRT 2014-07-23 | | | | | | |
| ADC | ARS4-B (radar sensors) | MR 9778 ANRT 2014-11-11 | | | | | | |

526 Technical data

| Manufacturer | Model designation | Radio equipment approval number |
|--------------|--------------------------------------------|---------------------------------|
| Schrader | DG6W2D4 (tyre pressure monitoring sensors) | MR 16355 ANRT 2018-04-19 |
| Schrader | MC34MA4 (tyre pressure monitoring sensors) | MR 6706 ANRT 2011-11-17 |
| MARQUARDT | DC12A (locking systems) | MR 13429 ANTR 2017-03-03 |
| MARQUARDT | DC12B (locking systems) | MR 6698 ANTR 2011-11-16 |
| MARQUARDT | DC12K (locking systems) | MR 6699 ANTR 2011-11-16 |



| Manufacturer | Model designation | Radio equipment approval number |
|--------------|---------------------------|---------------------------------|
| MARQUARDT | MS2 (locking systems) | MR 13300 ANTR 2017-02-15 |
| MARQUARDT | MK1 (locking systems) | MR 10645 ANTR 2015-07-21 |
| MARQUARDT | MK2 (locking systems) | MR 10987 ANTR 2015-10-22 |
| MARQUARDT | 3350.38 (locking systems) | MR 18817 ANTR 2019-02-12 |
| HELLA | DM4 (locking systems) | MR 14426 ANTR 2017-07-28 |







| Manufacturer | Model designation | Radio equipment approval number |
|----------------|--------------------------------|---------------------------------|
| HELLA | MARSKEY-LESS (locking systems) | MR 13681 ANTR 2017-04-04 |
| HUF | HUF 14632 (locking systems) | MR 10506 ANTR 2015-06-22 |
| HUF | HUF4761 (locking systems) | MR 7829 ANTR 2013-02-14 |
| LEPOLD KOS-TAL | KK1 (locking systems) | MR 10697 ANTR 2015-08-05 |
| Hirschmann | 920287A (locking systems) | MR 6700 ANTR 2011-11-16 |







| Manufacturer | Model designation | Radio equipment approval number |
|--------------|-------------------------------|---------------------------------|
| Hirschmann | 920287B (locking systems) | MR 7260 ANTR 2012-06-13 |
| KATHREIN | RKE213E1 (locking systems) | MR 10631 ANTR 2015-07-16 |



Mexico



|  | |  | |
|-------------------------------------------------------------------------------------|-------------------|-------------------------------------------------------------------------------------|---------------------------------|
| Manufacturer | Model designation | Model designation | Radio equipment approval number |
| Bosch | | LRR3 (radar sensors) | IFETEL: RCPBOLR09-0828 |
| Bosch | | MRR1Rear (radar sensors) | IFETEL: RCPBOMR14-0922 |
| Bosch | | MRRe14FCR (radar sensors) | IFETEL: RCPBOMR17-0598 |
| ADC | | ARS4-A (radar sensors) | IFETEL: RCPCOAR14-1191 |

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|-----------------------------------------------------------------------------------|-------------------|-----------------------------------------------------------------------------------|---------------------------------|
| Manufacturer | Model designation | Model designation | Radio equipment approval number |
| ADC | | ARS4-B (radar sensors) | IFETEL: RLVCOAR15-0008 |
| Huf Baolong | | TSSRE4A (tyre pressure monitoring sensors) | IFETEL: RLVHUTS17-0806 |
| Schrader | | AG5SP4-D (tyre pressure monitoring sensors) | IFETEL: RCPSCAG15-0627 |




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|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------|----------------------------------------|
|  |  | Model designation | Radio equipment approval number |
| Schrader | MFR (tyre pressure monitoring sensors) | IFETEL: RLVSCMF15-0959 | |
| Schrader | GG4T (tyre pressure monitoring sensors) | IFETEL: RLVSCGG17-1665 | |
| Schrader | DG6W2D4 (tyre pressure monitoring sensors) | IFETEL: RLVSCDG18-04 | |
|  |  | Model designation | Radio equipment approval number |
| Schrader | MC34MA4 (tyre pressure monitoring sensors) | IFETEL: RCPSCMR14-062 | |
| MARQUARDT | DC12A (locking systems) | IFETEL: IFT/223/UC S/DG-AUSE/0452/2018 | |
| MARQUARDT | DC12B (locking systems) | IFETEL: CFT/D03/US I/DGB/4653/2013 | |
|  |  | Model designation | Radio equipment approval number |
| MARQUARDT | DC12K (interior protection) | IFETEL: CFT/D03/US I/DGB/4653/2013 | |
| MARQUARDT | MS2 (locking systems) | IFETEL: IFT/223/UC S/DG-AUSE/0717/2018 | |
| MARQUARDT | MK1 (locking systems) | IFETEL: IFT/223/UC S/DG-AUSE/3130/2016 | |

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|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------|---------------------------|-----------------------------------|------------------------------------------------------|---------------------------|------------------------------------|------------------------------------------------------|
|  |  | Radio equip- ment approval number | Manufac- turer | Model desig- nation | Radio equip- ment approval number | Manufac- turer | Model desig- nation | Radio equip- ment approval number |
| MARQUARDT | MK2 (locking systems) | IFETEL: IFT/223/UC S/DG-AUSE/ 3043/2016 | HELLA | 3350.38 (locking sys- tems) | IFETEL: IFT/223/UC S/DG-AUSE/ 1589/2019 | HUF | HUF14632 (locking sys- tems) | IFETEL: IFT/223/UC S/DG-AUSE/ 5487/2018 |
| MARQUARDT | DM4 (locking systems) | IFETEL: IFT/223/UC S/DG-AUSE/ 3937/2018 | HUF | HUF4761 (locking sys- tems) | IFETEL: CFT/D03/US I/DGB/ 5888/2013 | HUF | HUF14632 (locking sys- tems) | IFETEL: IFT/223/UC S/DG-AUSE/ 5487/2018 |
|  |  | Radio equip- ment approval number | Manufac- turer | Model desig- nation | Radio equip- ment approval number | Manufac- turer | Model desig- nation | Radio equip- ment approval number |
| | | | HELLA | 3350.38 (locking sys- tems) | IFETEL: IFT/223/UC S/DG-AUSE/ 1589/2019 | HELLA | 3350.38 (locking sys- tems) | IFETEL: IFT/223/UC S/DG-AUSE/ 3043/2016 |
| | | | HUF | HUF4761 (locking sys- tems) | IFETEL: CFT/D03/US I/DGB/ 5888/2013 | HUF | HUF14632 (locking sys- tems) | IFETEL: IFT/223/UC S/DG-AUSE/ 5487/2018 |
|  |  | Radio equip- ment approval number | Manufac- turer | Model desig- nation | Radio equip- ment approval number | Manufac- turer | Model desig- nation | Radio equip- ment approval number |
| | | | HELLA | 3350.38 (locking sys- tems) | IFETEL: IFT/223/UC S/DG-AUSE/ 1589/2019 | HELLA | 3350.38 (locking sys- tems) | IFETEL: IFT/223/UC S/DG-AUSE/ 3043/2016 |
| | | | HUF | HUF4761 (locking sys- tems) | IFETEL: CFT/D03/US I/DGB/ 5888/2013 | HUF | HUF14632 (locking sys- tems) | IFETEL: IFT/223/UC S/DG-AUSE/ 5487/2018 |
| | | | Hirschmann | 920287A (locking sys- tems) | IFETEL: CFT/D03/US I/DGB/ 2401/2012 | Hirschmann | 920287A (locking sys- tems) | IFETEL: CFT/D03/US I/DGB/ 2401/2012 |
| | | | Hirschmann | 920287B (locking sys- tems) | IFETEL: CFT/D03/US I/DGB/ 4865/2013 | Hirschmann | 920287B (locking sys- tems) | IFETEL: CFT/D03/US I/DGB/ 4865/2013 |

|  |  | Model designation | Radio equipment approval number |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------|---------------------------------|
| KATHREIN | RKE213E1 (locking systems) | IFT/223/UC S/DG-AUSE/4856/2016 | |
| Gentex | EURO II (locking systems) | IFT/223/UC S/DG-AUSE/1456/2014 | |
| Gentex | MUAHL 5 (locking systems) | IFT/223/UC S/DG-AUSE/0035/2016 | |

|  |  | Model designation | Radio equipment approval number |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------|---------------------------------|
| Meta | ITS/TPS (interior protection) | IFETEL: IFT/223/UC S/DG-AUSE/4871/2016 | |
| Meta | MUW II (interior protection) | IFETEL: IFT/223/UC S/DG-AUSE/5064/2016 | |

| Moldova | | | |
|-----------------------------------------------------------------------------------|---------------------------|------------------------|---------------------------------|
|  | Manufacturer | Model designation | Radio equipment approval number |
| Bosch | LRR3 (radar sensors) | MD OC TIP 024 A6227-18 | |
| Bosch | MRR1Rear (radar sensors) | MD OC TIP 024 A5957-17 | |
| Bosch | MRRe14FCR (radar sensors) | MD OC TIP 024 A6004-18 | |
| MARQUARDT | DC 12A (locking systems) | MD OC TIP 024 A5820-17 | |

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|-------------------------------------------------------------------------------------|---------------------------|--------------------------------|----------------------------------------|
|  | Manufacturer | Model designation | Radio equipment approval number |
| | MARQUARDT | DC12B (locking systems) | MD OC TIP 024 A6253-18 |
| | MARQUARDT | DC12K (locking systems) | MD OC TIP 024 A6252-18 |
| | MARQUARDT | MS2 (locking systems) | MD OC TIP 024 A6444-19 |
| MARQUARDT | 3350.38 (locking systems) | | MD OC TIP 024 A6398-19 |
|  | Manufacturer | Model designation | Radio equipment approval number |
| | HELLA | DM4 (locking systems) | MD OC TIP 024 A5884-17 |
| | HELLA | MARSKEY-LESS (locking systems) | MD OC TIP 024 A5876-17 |
| HUF | HUF4761 (locking systems) | MD OC TIP 024 A5433-16 | |
|  | Manufacturer | Model designation | Radio equipment approval number |
| | Hirschmann | 920287A (locking systems) | MD OC TIP 024 A5660-16 |
| Hirschmann | 920287B (locking systems) | MD OC TIP 024 A5485-16 | |

532 Technical data

| Niger | | |
|--------------|-------------------------|---------------------------------|
| Manufacturer | Model designation | Radio equipment approval number |
| MARQUARDT | DC12A (locking systems) | 010/ARCEP/DG/19 |
| MARQUARDT | DC12B (locking systems) | 008/ARCEP/DG/19 |
| MARQUARDT | DC12K (locking systems) | 009/ARCEP/DG/19 |
| MARQUARDT | MS2 (locking systems) | 017/ARCEP/DG/19 |
| MARQUARDT | MK1 (locking systems) | 034/ARCEP/DG/19 |

| Manufacturer | Model designation | Radio equipment approval number |
|--------------|--------------------------------|---------------------------------|
| MARQUARDT | MK2 (locking systems) | 035/ARCEP/DG/19 |
| MARQUARDT | 3350.38 (locking systems) | 015/ARCEP/DG/19 |
| HELLA | DM4 (locking systems) | 082/ARCEP/DG/19 |
| HELLA | MARSKEY-LESS (locking systems) | 083/ARCEP/DG/19 |
| HUF | HUF4761 (locking systems) | 053/ARCEP/DG/19 |

| Manufacturer | Model designation | Radio equipment approval number |
|----------------|----------------------------|---------------------------------|
| LEOPOLD KOSTAL | KK1 (locking systems) | 037/ARCEP/DG/19 |
| KATHREIN | RKE213E1 (locking systems) | 029/ARCEP/DG/19 |

| Nigeria | | | Radio equipment approval number | | |
|--------------|---------------------------|----------------------------------|---------------------------------|---------------------------|---------------------------------|
| Manufacturer | Model designation | Radio equipment approval number | Manufacturer | Model designation | Radio equipment approval number |
| Bosch | MRR1Rear (radar sensors) | NCC/TSNI/WN/TA/CERT/2089/2018 | MARQUARDT | DC 12A (locking systems) | NCC/TSNI/WN/TA/CERT/1714/2017 |
| Bosch | MRRe14FCR (radar sensors) | NCC/TSNI/WN/TA/CERT/2042/2018 | MARQUARDT | DC 12B (locking systems) | NCC/TSNI/WN/TA/CERT/2627/2019 |
| ADC | ARS4-A (radar sensors) | NCC/TSNI/WN/TA/CERT/AB00388/2015 | MARQUARDT | DC 12K (locking systems) | NCC/TSNI/WN/TA/CERT/2626/2019 |
| ADC | ARS4-B (radar sensors) | NCC/TSNI/WN/TA/CERT/2062/2018 | MARQUARDT | MS2 (locking systems) | NCC/TSNI/WN/TA/CERT/1667/2017 |
| | | | MARQUARDT | MK1 (locking systems) | NCC/TSNI/WN/TA/CERT/0739/2015 |
| | | | MARQUARDT | MK2 (locking systems) | NCC/TSNI/WN/TA/CERT/0740/2015 |
| | | | MARQUARDT | 3350.38 (locking systems) | NCC/TSNI/WN/TA/CERT/2882/2019 |
| | | | HELLA | DM4 (locking systems) | NCC/TSNI/WN/TA/CERT/1830/2017 |


534 Technical data


| Manufacturer | Model designation | Radio equipment approval number |
|--------------|--------------------------------|-------------------------------------------|
| HELLA | MARSKEY-LESS (locking systems) | NCC/ TSNI/WN/TA /CERT/ 1670/2017 |
| HUF | HUF14632 (locking systems) | NCC/ TSNI/WN/TA /CERT/ 0829/2015 |
| HUF | HUF4761 (locking systems) | NCC/ TSNI/WN/TA /CERT/ 2884/2019 |


| Manufacturer | Model designation | Radio equipment approval number |
|----------------|----------------------------|-------------------------------------------|
| LEOPOLD KOSTAL | KK 1 (locking systems) | NCC/ TSNI/WN/TA /CERT/ 0823/2015 |
| KATHREIN | RKE213E1 (locking systems) | NCC/ TSNI/WN/TA /CERT/ 0865/2015 |

Pakistan

|  | | Manufacturer | Model designation | Radio equipment approval number |
|-----------------------------------------------------------------------------------|-------------------------|--------------|-------------------------|---------------------------------|
| ADC | ARS4-A (radar sensors) | ADC | ARS4-A (radar sensors) | 9.9014/2019 |
| ADC | ARS4-B (radar sensors) | ADC | ARS4-B (radar sensors) | 9.1048/2018 |
| MARQUARDT | DC12A (locking systems) | MARQUARDT | DC12A (locking systems) | 9.131/2017 |
| MARQUARDT | DC12B (locking systems) | MARQUARDT | DC12B (locking systems) | 9.829/2013 |
| MARQUARDT | DC12K (locking systems) | MARQUARDT | DC12K (locking systems) | 9.830/2013 |

|  | | Model designation | Radio equipment approval number |
|-------------------------------------------------------------------------------------|--------------------------------|-------------------|---------------------------------|
| MARQUARDT | MS2 (locking systems) | 9.133/2017 | |
| MARQUARDT | MK1 (locking systems) | 9.486/2015 | |
| MARQUARDT | MK2 (locking systems) | 9.497/2015 | |
| HELLA | DM4 (locking systems) | 9.409/2017 | |
| HELLA | MARSKEY-LESS (locking systems) | 9.213/2017 | |


|  | | Manufacturer | Model designation | Radio equipment approval number |
|-------------------------------------------------------------------------------------|----------------|-----------------------------|-------------------|---------------------------------|
| HUF | HUF | HUF 14632 (locking systems) | 9.598/2015 | |
| HUF | HUF | HUF4761 (locking systems) | 9.790/2013 | |
| LEOPOLD KOSTAL | LEOPOLD KOSTAL | KK1 (locking systems) | 9.118/2016 | |
| Hirschmann | Hirschmann | 920287A (locking systems) | 9.845/2013 | |

|  | | Manufacturer | Model designation | Radio equipment approval number |
|-----------------------------------------------------------------------------------|------------|----------------------------|-------------------|---------------------------------|
| Hirschmann | Hirschmann | 920287B (locking systems) | 9.846/2013 | |
| KATHREIN | KATHREIN | RKE213E1 (locking systems) | 9.142/2016 | |


536 Technical data


Paraguay


|  | | Model designation | Radio equipment approval number |
|-------------------------------------------------------------------------------------|---------------------------|-------------------|---------------------------------|
| Bosch | MRRre14FCR (radar sensor) | 2017-06-I-000016 | 2 |
| Bosch | MRR1Rear (radar sensor) | 2019-05-I-000236 | |
| ADC | ARS4-A (radar sensor) | 2019-05-I-0271 | |
| ADC | ARS4-B (radar sensor) | 2019-07-I-0353 | |


|  | | Model designation | Radio equipment approval number |
|-------------------------------------------------------------------------------------|--------------------------------------------|-------------------|---------------------------------|
| Huf Baolong | TSSRE4A (tyre pressure monitoring sensor) | 2017-09-I-000032 | 8 |
| Schrader | AG5SP4-D (tyre pressure monitoring sensor) | 2015-04-I-000015 | 0 |
| MAR-QUARDT | DC12A (locking system) | 2017-07-I-000019 | 9 |

|  | | Model designation | Radio equipment approval number |
|-----------------------------------------------------------------------------------|------------------------|-------------------|---------------------------------|
| MAR-QUARDT | DC12B (locking system) | 2016-5-I-000144 | y |
| MAR-QUARDT | DC12K (locking system) | 2011-06-I-0067 | |
| MAR-QUARDT | DC12K (locking system) | 2016-5-I-000143 | y |
| MAR-QUARDT | MS2 (locking system) | 2011-06-I-0068 | |
| MAR-QUARDT | MS2 (locking system) | 2017-04-I-000010 | 1 |


|  | | Model designation | Radio equipment approval number |
|-------------------------------------------------------------------------------------|--------------------------|-------------------|---------------------------------|
| MAR-QUARDT | MK1 (locking system) | 2015-07-I-000020 | 0 |
| MAR-QUARDT | MK2 (locking system) | 2015-07-I-000020 | 1 |
| MAR-QUARDT | 3350.38 (locking system) | 2019-04-I-000216 | |
| HELLA | DM4 (locking system) | 2017-08-I_000026 | 1 |


|  | | Model designation | Radio equipment approval number |
|-------------------------------------------------------------------------------------|------------------------------|-------------------|---------------------------------|
| HELLA | MARSKEYLESS (locking system) | 2017-05-I-000013 | 6 |
| HUF | HUF 14632 (locking system) | 2015-08-I-000022 | 6 |
| HUF | HUF4761 (locking system) | 2017-12-I-000040 | 9 y |
| | | 2012-10-I-0178 | |

|  | | Model designation | Radio equipment approval number |
|-----------------------------------------------------------------------------------|--------------------------|-------------------|---------------------------------|
| LEOPOLD KOSTAL | KK 1 (locking system) | 2015-06-I-000018 | 1 |
| Hirschmann | 920287A (locking system) | 2016-5-I-000134 | y |
| | | 2011-06-I-0059 | |

|  | Model designation | Radio equipment approval number |
|-------------------------------------------------------------------------------------|---------------------------|-------------------------------------------|
| Hirschmann | 920287B (locking system) | 2017-04-I-000011 9 y 2012-05-I-0096 |
| KATHREIN | RKE213E1 (locking system) | 2016-02-I-000003 8 |

Philippines

|  | Manufacturer | Model designation | Radio equipment approval number |
|-------------------------------------------------------------------------------------|---------------------------|-------------------|---------------------------------|
| Bosch | MRR1Rear (radar sensor) | ESD-1408917 C | |
| Bosch | MIRre14FCR (radar sensor) | ESD-1716172 C | |
| ADC | ARS4-A (radar sensor) | ESD-1409466 C | |
| ADC | ARS4-B (radar sensor) | ESD-140983 4C | |


|  | Manufacturer | Model designation | Radio equipment approval number |
|-----------------------------------------------------------------------------------|--------------------------------------------|-------------------|---------------------------------|
| Huf Baolong | TSSRE4A (tyre pressure monitoring sensor) | ESD-1715393 C | |
| Schrader | AG5SP4-D (tyre pressure monitoring sensor) | ESD-1510376 C | |
| MARQUARDT | DC12A (locking system) | ESD-1714489 C | |
| MARQUARDT | DC12B (locking system) | ESD-1105216 C | |


| Manufacturer | Model designation | Radio equipment approval number |
|----------------|-------------------------------|---------------------------------|
| MARQUARDT | DC12K (locking system) | ESD-1105215 C |
| MARQUARDT | MS2 (locking system) | ESD-1715652 C |
| MARQUARDT | MK1 (locking system) | ESD-1510644 C |
| MARQUARDT | MK2 (locking system) | ESD-1510645 C |
| MARQUARDT | 3350.38 (locking system) | ESD-1919198 C |
| | | |
| Manufacturer | Model designation | Radio equipment approval number |
| HELLA | DM4 (locking system) | ESD-1715539 C |
| HELLA | MARSKEY-LESS (locking system) | ESD-1714865 C |
| HUF | HUF14632 (locking system) | ESD-1511236 C |
| HUF | HUF4761 (locking system) | ESD-1206521 C |
| LEOPOLD KOSTAL | KK1 (locking system) | ESD-1510698 C |
| | | |
| Manufacturer | Model designation | Radio equipment approval number |
| Hirschmann | 920287A (locking system) | ESD-1105246 C |
| Hirschmann | 920287B (locking system) | ESD-120604 4C |
| KATHREIN | RKE213E1 (locking system) | ESD-1511856 C |


Russia


|  | | Manufacturer | Model designation | Radio equipment approval number |
|-------------------------------------------------------------------------------------|-----------------------------------------------|--------------|-------------------|---------------------------------|
| Huf Baolong | TSSRE4A (tyre pressure monitoring sensor) | | | – |
| Huf Baolong | TSSSG4G6 (tyre pressure monitoring sensor) | | | – |


Zambia

|  | | Manufacturer | Model designation | Radio equipment approval number |
|-----------------------------------------------------------------------------------|------------------------|--------------|-------------------|---------------------------------|
| MARQUARDT | DC12A (locking system) | | | ZMB/ ZICTA/TA/ 2019/5/16 |
| MARQUARDT | DC12B (locking system) | | | ZMB/ ZICTA/TA/ 2019/5/17 |
| MARQUARDT | DC12K (locking system) | | | ZMB/ ZICTA/TA/ 2019/5/18 |
| MARQUARDT | MS2 (locking system) | | | ZMB/ ZICTA/TA/ 2018/9/30 |

|  | | Manufacturer | Model designation | Radio equipment approval number |
|-------------------------------------------------------------------------------------|------------------------------------------------|--------------|-------------------|---------------------------------|
| Huf Baolong | TSSSG4G6b (tyre pressure monitoring sensor) | | | – |
| Schrader | AG5SP4-D (tyre pressure monitoring sensor) | | | – |

|  | | Model designation | Radio equipment approval number |
|-------------------------------------------------------------------------------------|--------------------------|--------------------------------|---------------------------------|
| MARQUARDT | MK1 (locking system) | ZMB/ ZICTA/TA/ 2019/3/20 | |
| MARQUARDT | MK2 (locking system) | ZMB/ ZICTA/TA/ 2019/3/21 | |
| MARQUARDT | 3350.38 (locking system) | ZMB/ ZICTA/TA/ 2019/3/6 | |
| HELLA | DM4 (locking system) | ZMB/ ZICTA/TA/ 2019/3/4 | |

|  | | Model designation | Radio equipment approval number |
|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------|---------------------------------|
| HELLA | MARSKEY-LESS (locking system) | ZMB/ ZICTA/TA/ 2019/3/3 | |
| HUF | HUF4761 (locking system) | ZMB/ ZICTA/TA/ 2018/12/18 | |
| LEOPOLD KOSTAL | KK1 (locking system) | ZMB/ ZICTA/TA/ 2019/3/48 | |
| Hirschmann | 920287A (locking system) | ZMB/ ZICTA/TA/ 2019/7/12 | |

|  | | Manufacturer | Model designation | Radio equipment approval number |
|-----------------------------------------------------------------------------------|--|--------------|---------------------------|---------------------------------|
| | | Hirschmann | 920287B (locking system) | ZMB/ ZICTA/TA/ 2019/7/11 |
| | | KATHREIN | RKE213E1 (locking system) | ZMB/ ZICTA/TA/ 2019/3/11 |

542 Technical data

Singapore

| Manufacturer | Model designation | Radio equipment approval number |
|--------------|---------------------------|---------------------------------|
| Bosch | LRR3 (radar sensor) | N0380-15 |
| Bosch | MRR1Rear (radar sensor) | N0871-19 |
| Bosch | MRRre14FCR (radar sensor) | N1699-17 |
| ADC | ARS4-A (radar sensor) | DA103365 |
| ADC | ARS4-B (radar sensor) | DA103365 |

| Manufacturer | Model designation | Radio equipment approval number |
|--------------|---------------------------------------------|---------------------------------|
| HUF Baolong | TSSRE4A (tyre pressure monitoring sensor) | DA103787 |
| HUF Baolong | TSSSG4G6 (tyre pressure monitoring sensor) | DA103787 |
| HUF Baolong | TSSSG4G6b (tyre pressure monitoring sensor) | DA28467 |
| Schrader | AG5SP4-D (tyre pressure monitoring sensor) | DA105282 |

| Manufacturer | Model designation | Radio equipment approval number |
|--------------|------------------------|---------------------------------|
| MARQUARDT | DC12A (locking system) | N1138-17 DA103787 |
| MARQUARDT | DC12B (locking system) | N0793-16 DA103787 |
| MARQUARDT | DC12K (locking system) | N0726-16 DA103787 |
| MARQUARDT | MS2 (locking system) | N1067-17 DA103787 |
| MARQUARDT | MK1 (locking system) | N2522-15 DA103787 |
| MARQUARDT | MK2 (locking system) | N2523-15 DA103787 |

| Manufacturer | Model designation | Radio equipment approval number |
|----------------|-------------------------------|---------------------------------|
| MARQUARDT | 3350.38 (locking system) | N0506-19 DA103787 |
| HELLA | DM4 (locking system) | N3010-17 DA 103365 |
| HELLA | MARSKEY-LESS (locking system) | N1298-17 DA103365 |
| HUF | HUF14632 (locking system) | N2147-15 DA103787 |
| HUF | HUF4761 (locking system) | N2797-12 DA103365 |
| LEOPOLD KOSTAL | KK1 (locking system) | N2292-15 |

| Manufacturer | Model designation | Radio equipment approval number |
|--------------|-------------------------------|---------------------------------|
| Hirschmann | 920287A (locking system) | N0812-11 |
| Hirschmann | 920287B (locking system) | N1231-12 |
| KATHREIN | RKE213E1 (locking system) | N2225-15 |
| Meta System | ITS/TPS (interior protection) | N2215-11 |
| Meta System | MUW II | N2216-11 |

| Manufacturer | Model designation | Radio equipment approval number |
|--------------|-----------------------------|---------------------------------|
| Bosch | LRR3 (radar sensor) | 1-06-3454-19 0/09 |
| Bosch | MRR1Rear (radar sensor) | 34540-840/ 17-3 |
| Bosch | MRRe14FCR (radar sensor) | P1617068100 |
| ADC | ADC - ARS4-A (radar sensor) | Y011 14 |


Serbia





Manufacturer


Model designation

Radio equipment approval number


|  | | Model designation | Radio equipment approval number |
|-------------------------------------------------------------------------------------|--------------------------------------------|-------------------|---------------------------------|
| ADC | ADC - ARS4-B (radar sensor) | | I1011 14 |
| Huf Baolong | TSSRE4A (tyre pressure monitoring sensor) | | I1005 17 |
| Huf Baolong | TSSSG4G6 (tyre pressure monitoring sensor) | | I1005 17 |


|  | | Model designation | Radio equipment approval number |
|-------------------------------------------------------------------------------------|---------------------------------------------|-------------------|---------------------------------|
| Huf Baolong | TSSSG4G6b (tyre pressure monitoring sensor) | | I1005 19 |
| Schrader | AG5SP4-D (tyre pressure monitoring sensor) | | I1005 15 |
| Schrader | MFR (tyre pressure monitoring sensor) | | I1005 19 |




|  | | Manufacturer | Model designation | Radio equipment approval number |
|-----------------------------------------------------------------------------------|----------|-------------------------------------------|-------------------|---------------------------------|
| Schrader | Schrader | GG4T (tyre pressure monitoring sensor) | I1005 17 | |
| Schrader | Schrader | DG6W2D4 (tyre pressure monitoring sensor) | I1005 18 | |
| Schrader | Schrader | MC34MA4 (tyre pressure monitoring sensor) | I1011 11 | |


|  Manufacturer | Model designation | Radio equipment approval number |
|--------------------------------------------------------------------------------------------------|------------------------------|---------------------------------|
| Gentex | EURO II (locking system) | I005 14 P161408520 0 |
| Meta System | MUW II (interior protection) | I011 19 P161904550 0 |


South Africa


|  Manufacturer | Model designation | Radio equipment approval number |
|--------------------------------------------------------------------------------------------------|---------------------------|---------------------------------|
| Bosch | MRR1Rear (radar sensor) | TA-2014/212 |
| Bosch | MIRre14FCR (radar sensor) | TA-2017/201 3 |
| Bosch | LRR3 (radar sensor) | 1965/00700 9/07 |
| ADC | ARS4-A (radar sensor) | TA-2014/163 7 |


|  Manufacturer | Model designation | Radio equipment approval number |
|------------------------------------------------------------------------------------------------|-----------------------------------------------------------|---------------------------------|
| ADC | ARS4-B (radar sensor) | TA-2014/178 3 |
| Huf Baolong | TSSRE4A (tyre pressure monitoring sensor) | TA-2017/139 3 |
| Huf Baolong | TSSSG4G6 (control unit) (tyre pressure monitoring sensor) | TA-2017/139 1 |

| | | | | | | |
|-------------------------------------------------------------------------------------|---------------------|-------------|--------------------------|------------------------------------------------|----------------------------------------|-----------------------|
|  | Manufacturer | Huf Baolong | Model designation | TSSSG4G6b (tyre pressure monitoring sensor) | Radio equipment approval number | TA-2019/1440 |
| | Manufacturer | Schrader | Model designation | AG5SP4-D (tyre pressure monitoring sensor) | Radio equipment approval number | TA-2015/072 Approved |
|  | Manufacturer | Schrader | Model designation | GG4T (tyre pressure monitoring sensor) | Radio equipment approval number | TA-2017/3884 Approved |
| | Manufacturer | Schrader | Model designation | DG6W2D4 (tyre pressure monitoring sensor) | Radio equipment approval number | TA-2017/2933 Approved |
|  | Manufacturer | Schrader | Model designation | MC34MA4 (tyre pressure monitoring sensor) | Radio equipment approval number | TA-2011/1370 Approved |
| | Manufacturer | MARQUARDT | Model designation | DC12A (locking system) | Radio equipment approval number | TA-2017/312 |
|  | Manufacturer | MARQUARDT | Model designation | DC12B (locking system) | Radio equipment approval number | TA-2011/370 |
| | Manufacturer | MARQUARDT | Model designation | DC12K (locking system) | Radio equipment approval number | TA-2012/1542 |
| | Manufacturer | MARQUARDT | Model designation | MS2 (locking system) | Radio equipment approval number | TA-2016/3314 |
| | Manufacturer | MARQUARDT | Model designation | MK1 (locking system) | Radio equipment approval number | TA-2015/179 |
| | Manufacturer | MARQUARDT | Model designation | MK2 (locking system) | Radio equipment approval number | TA-2015/180 |

|  | | Model designation | Radio equipment approval number |
|-------------------------------------------------------------------------------------|-------------------------------|-------------------|---------------------------------|
| MARQUARDT | 3 350.38 (locking system) | TA-2018/398 5 | |
| HELLA | DM4 (locking system) | TA-2017/251 8 | |
| HELLA | MARSKEY-LESS (locking system) | TA-2016/350 0 | |
| HUF | HUF14632 (locking system) | TA-2015/107 7 | |

|  | | Model designation | Radio equipment approval number |
|-------------------------------------------------------------------------------------|--------------------------|-------------------|---------------------------------|
| HUF | HUF4761 (locking system) | TA-2012/154 3 | |
| LEOPOLD KOSTAL | KK1 (locking system) | TA-2015/595 | |
| Hirschmann | 920287A (locking system) | TA-2011/374 | |
| Hirschmann | 920287B (locking system) | TA-2013/126 2 | |

|  | | Manufacturer | Model designation | Radio equipment approval number |
|-----------------------------------------------------------------------------------|-------------|----------------------------------|-------------------|---------------------------------|
| | KATHREIN | RKE213E1 (locking system) | TA-2015/143 8 | |
| | Gentex | EURO II (locking system) | TA-2005/614 | |
| | Gentex | MUJHL 5 (locking system) | TA-2015/138 6 | |
| | Meta System | ITS Master (interior protection) | TA-2011/163 6 | |

|  ICASA | Manufacturer | Model designation | Radio equipment approval number |
|-------------------------------------------------------------------------------------------|----------------------------------|-------------------|---------------------------------|
| Meta System | ITS Sensor (interior protection) | | TA-2011/1227 |
| Meta System | MUW II (interior protection) | | TA-2019/261 |

Oman

| Manufacturer | Model designation | Radio equipment approval number |
|--------------|--------------------------|---------------------------------|
| Bosch | LRR3 | TRA/TA-R/1049/09 |
| Bosch | MRR1Rear (radar sensor) | TRA/TA-R/1849/14 |
| Bosch | MRRe14FCR (radar sensor) | TRA/TA-R/4353/17 |
| ADC | ARS4-A (radar sensor) | R/2016/14 |
| ADC | ARS4-B (radar sensor) | D080134 |
| | | R/2210/14 |
| | | D080134 |

| Manufacturer | Model designation | Radio equipment approval number |
|--------------|---------------------------------------------|---------------------------------|
| Huf Baolong | TSSRE4A (tyre pressure monitoring sensor) | TRA R/4516/17 D100428 |
| Huf Baolong | TSSSG4G6 (tyre pressure monitoring sensor) | TRA R/4515/17 D100428 |
| Huf Baolong | TSSSG4G6b (tyre pressure monitoring sensor) | TRA R/7506/19 D100428 |
| Schrader | AG5SP4-D (tyre pressure monitoring sensor) | TRA R/2380/15 D080134 |
| Schrader | MFR (tyre pressure monitoring sensor) | TRA R/7464/19 D090258 |

550 Technical data

| Manufacturer | Model designation | Radio equipment approval number |
|--------------|-------------------------------------------|---------------------------------|
| Schrader | GG4T (tyre pressure monitoring sensor) | TRA TA-R/4686/17 D080134 |
| Schrader | DG6W2D4 (tyre pressure monitoring sensor) | TRA TA-R/5511/18 D172249 |
| MAR-QUARDT | DC 12A (locking system) | TRA/TARD100428 |
| MAR-QUARDT | DC 12B (locking system) | TRA/TAR/0227/11 |
| MAR-QUARDT | DC 12K (locking system) | TRA/TAR/0228/11 |


| Manufacturer | Model designation | Radio equipment approval number |
|--------------|---------------------------|---------------------------------|
| MAR-QUARDT | MS2 (locking system) | TRA/TAR/4136/17 |
| MAR-QUARDT | MK1 (locking system) | TRA/TAR/2848/15 |
| MAR-QUARDT | MK2 (locking system) | TRA/TAR/2900/15 |
| MAR-QUARDT | 3 350.38 (locking system) | TRA/TAR/7051/19 |
| HELLA | DM4 (locking system) | TRA/TAR/4548/17 |

| Manufacturer | Model designation | Radio equipment approval number |
|----------------|------------------------------|---------------------------------|
| HELLA | MARSKEYLESS (locking system) | TRA/TAR/4158/17 |
| HUF | HUF14632 (locking system) | TRA/TAR/2665/15 |
| HUF | HUF4761 (locking system) | TRA/TAR/0920/12 |
| LEOPOLD KOSTAL | KK 1 (locking system) | TRA/TAR/3129/16 |
| Hirschmann | 920287A (locking system) | TRA/TAR/0210/11 |


| Manufacturer | Model designation | Radio equipment approval number |
|--------------|---------------------------|---------------------------------|
| Hirschmann | 920287B (locking system) | TRA/TA-R/0655/12 |
| KATHREIN | RKE213E1 (locking system) | TRA/TA-R/2715/15 |



Thailand

| Manufacturer | Model designation | Radio equipment approval number |
|--------------|--------------------------|---------------------------------|
| Bosch | LRR3 (radar sensor) | A57006-15 |
| Bosch | MRR1Rear (radar sensor) | A57005-14 |
| Bosch | MRRe14FCR (radar sensor) | A57003-17 |

| Manufacturer | Model designation | Radio equipment approval number |
|-----------------------------------------------------------------------------------------------|-------------------------------|----------------------------------------------------------------------------------------------------------|
|  Meta System | ITS/TPS (interior protection) | RF test report: 166683T RFWL EMC test report: 166683 TRF EMC Safety report: 149852T RFSAF |

552 Technical data

|  | Manu- facturer | Model designation | Radio equip- ment approval number |
|-------------------------------------------------------------------------------------|-------------------|-----------------------------------|------------------------------------------------------------------------------------------------------------------------|
| Meta Sys- tem | | MUW II (interior pro- tection) | RF test report: 149852-2 R1TRFEM C EMC test report: 149852-1 R1TRFEM C Safety report: |

|  | Manu- facturer | Model designation | Radio equip- ment approval number |
|-------------------------------------------------------------------------------------|-------------------|-----------------------------|-----------------------------------------------|
| | | | 149852T RF-SAF |
| Togo | | | |
|  | Manu- facturer | Model designation | Radio equip- ment approval number |
| | MAR- QUARDT | DC12A (locking sys- tem) | No. 055 / 19 |
| | MAR- QUARDT | DC12B (locking sys- tem) | No. 057 / 19 |

| Manu- facturer | Model designation | Radio equip- ment approval number |
|-------------------|-----------------------------------|-----------------------------------------------|
| MAR- QUARDT | DC12K (locking sys- tem) | No. 056 / 19 |
| MAR- QUARDT | MS2 (locking system) | No. 008 / 19 |
| MAR- QUARDT | MK1 (locking system) | No. 021 / 19 |
| MAR- QUARDT | MK2 (locking system) | No. 020 / 19 |
| HELLA | DM4 (locking system) | No. 039 / 19 |
| HELLA | MARSKEYLESS (lock- ing system) | No. 040 / 19 |
| HUF | HUF4761 (locking sys- tem) | No. 041 / 19 |

| Manu- facturer | Model designation | Radio equip- ment approval number |
|-------------------|------------------------------|-----------------------------------------------|
| LEOPOLD KOSTAL | KK1 (locking system) | No. 060/19 |
| KATHREI N | RKE213E1 (locking system) | No. 024/19 |

Ukraine














| Manu- facturer | Model designation | Radio equip- ment approval number |
|-------------------|------------------------------|-----------------------------------------------|
| Bosch | LRR3 (radar sensor) | UA.TR. 109.R. 0031-19 |
| Bosch | MRR1Rear (radar sen- sor) | UA.TR. 109.R. 0598-18 |
| Bosch | MRRre14FCR (radar sensor) | UA.TR. 109.R. 0030-19 |
| ADC | ARS4-A (radar sen- sor) | UA RF: 1CONT00 04 |



| Manu- facturer | Model designation | Radio equip- ment approval number |
|-------------------|-----------------------------------------------------------------|-----------------------------------------------|
| ADC | ARS4-B (radar sen- sor) | UA RF: 1CONT00 01 |
| Huf Bao- long | TSSRE4A (tyre pres- sure monitoring sen- sor) | UA 1.001.018 568-19- TE |
| Huf Bao- long | TSSSG4G6 (control unit) (tyre pressure monitoring sensor) | UA 1.001.018 586-19- TE |




554 Technical data


| | | | | | |
|-------------------------------------------------------------------------------------|------------------------------------------------------|------------------------------------------------------------------|--|--|--|
|  | Manu- facturer | Huf Bao- long | | | |
| | Model designation | TSSSG4C6b (control unit) (tyre pressure monitoring sensor) | | | |
| | Radio equip- ment approval number | UA 1.001.019 289-19- TE | | | |
|  | Manu- facturer | Schrader | | | |
| | Model designation | AG5SP4 (tyre pres- sure monitoring sen- sor) | | | |
| | Radio equip- ment approval number | UA.TR. 028 | | | |
|  | Manu- facturer | MAR- QUARDT | | | |
| | Model designation | DC 12A (locking sys- tem) | | | |
| | Radio equip- ment approval number | UA 10094 .004789-1 7 | | | |
|  | Manu- facturer | MAR- QUARDT | | | |
| | Model designation | DC12B (locking sys- tem) | | | |
| | Radio equip- ment approval number | UA.R.TR. 052.308- 19 | | | |
|  | Manu- facturer | MAR- QUARDT | | | |
| | Model designation | DC12K (locking sys- tem) | | | |
| | Radio equip- ment approval number | UA.R.TR. 052.309- 19 | | | |
|  | Manu- facturer | HELLA | | | |
| | Model designation | MS2 (locking system) | | | |
| | Radio equip- ment approval number | UA 1.001. 019129-1 9-TE | | | |
|  | Manu- facturer | HELLA | | | |
| | Model designation | DM4 (locking system) | | | |
| | Radio equip- ment approval number | UA.TR. 109.R. 0325-18 | | | |
|  | Manu- facturer | HELLA | | | |
| | Model designation | MARSKEYLESS (lock- ing system) | | | |
| | Radio equip- ment approval number | RTS.UKR. 355-34/ 18 | | | |


|  | | |  | | |  | | |
|-------------------------------------------------------------------------------------|---------------------------|---------------------------------|-------------------------------------------------------------------------------------|---------------------------|---------------------------------|-----------------------------------------------------------------------------------|-----------------------|-----------------------------------|
| Manufacturer | Model designation | Radio equipment approval number | Manufacturer | Model designation | Radio equipment approval number | Manufacturer | Model designation | Radio equipment approval number |
| HUF | HUF14632 (locking system) | 10094.0 04959-17 | KATHREIN | RKE213E1 (locking system) | 10094.0 05308-17 | ADC | ARS4-A (radar sensor) | TRA ER58296 /17, DA40068 |
| HUF | HUF4761 (locking system) | UA 1.001. 018653-1 9-TE | Gentex | EURO II (locking system) | UA 1.001. 008806- 15 | ADC | ARS4-B (radar sensor) | TRA ER61136 /18, DA40068 |
| LEOPOLD KOSTAL | KK1 (locking system) | 10094.0 06682-19 | | | | | | |
| Hirschmann | 920287A (locking system) | 10094.0 05751-17 | | | | | | |
| Hirschmann | 920287B (locking system) | 10094.0 04974-17 | | | | | | |


United Arab Emirates

556 Technical data


| | | | | | | |
|-------------------------------------------------------------------------------------|---------------------------|------------------|--------------------------|------------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------|
|  | Manu- facturer | Huf Bao- long | Model designation | TSSRE4A (tyre pres- sure monitoring sen- sor) | Radio equip- ment approval number | TRA ER57806 /17, DA36976 /14 |
| | Manu- facturer | Huf Bao- long | Model designation | TSSG4G6 (control unit) (tyre pressure monitoring sensor) | Radio equip- ment approval number | TRA ER57807 /17, DA36976 /14 |
|  | Manu- facturer | Huf Bao- long | Model designation | TSSSG4G6b (control unit) (tyre pressure monitoring sensor) | Radio equip- ment approval number | TRA ER7307 / 19, DA00862 37 /12 |
| | Manu- facturer | Schrader | Model designation | AG5SP4-D (tyre pres- sure monitoring sen- sor) | Radio equip- ment approval number | TRA ER37156 /15, DA00470 74 /10 |
|  | Manu- facturer | Schrader | Model designation | GG4T (tyre pressure monitoring sensor) | Radio equip- ment approval number | TRA ER57985 /17, DA00470 74 /10 |
| | Manu- facturer | Schrader | Model designation | DG6W2D4 (tyre pres- sure monitoring sen- sor) | Radio equip- ment approval number | TRA ER96052 8 /18, DA00470 74 /10 |


|  | | Model designation | Radio equipment approval number |
|-------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|---------------------------------|
| Schrader | MC34MA4 (tyre pressure monitoring sensor) | TRA ER37066 /15, DA00470 74/10 | |
| MAR-QUARDT | DC 12A (locking system) | TRA ER53465 /17, DA00189 94/09 | |


|  | | Model designation | Radio equipment approval number |
|-------------------------------------------------------------------------------------|-------------------------|----------------------------------|---------------------------------|
| MAR-QUARDT | DC 12B (locking system) | TRA ER00678 28/11, DA00189 94/09 | |
| MAR-QUARDT | DC 12K (locking system) | TRA ER00678 29/11, DA00189 94/09 | |


|  | | Model designation | Radio equipment approval number |
|-----------------------------------------------------------------------------------|----------------------|--------------------------------|---------------------------------|
| MAR-QUARDT | MS2 (locking system) | TRA ER52668 /17, DA00189 94/09 | |
| MAR-QUARDT | MK1 (locking system) | TRA ER40046 /15, DA00189 94/09 | |

558 Technical data

|  | | |
|-------------------------------------------------------------------------------------|--------------------------|-----------------------------------------------|
| Manu- facturer | Model designation | Radio equip- ment approval number |
| MAR- QUARDT | MK2 (locking system) | TRA ER40047 /15, DA00189 94/09 |
| MAR- QUARDT | 3350.38 (locking system) | TRA ER69280 /19, 0018994 /09 |

|  | | |
|-------------------------------------------------------------------------------------|------------------------------|-----------------------------------------------|
| Manu- facturer | Model designation | Radio equip- ment approval number |
| HELLA | DM4 (locking system) | TRA ER56616 /15, DA44932 /15 |
| HELLA | MARSKEYLESS (locking system) | TRA ER56005 /15, DA44932 /15 |

|  | | |
|-----------------------------------------------------------------------------------|---------------------------|-----------------------------------------------|
| Manu- facturer | Model designation | Radio equip- ment approval number |
| HUF | HUF14632 (locking system) | TRA ER63716 /18, DA36976 /14 |
| HUF | HUF4761 (locking system) | TRA ER55496 /17, DA36976 /14 |
| LEOPOLD KOSTAL | KK1 (locking system) | ER62622 /18 |




|  | | Model designation | Radio equipment approval number |
|-------------------------------------------------------------------------------------|--------------------------|------------------------------|---------------------------------|
| Hirschmann | 920287A (locking system) | TRA ER52213 /17, DA35219 /14 | |
| Hirschmann | 920287B (locking system) | TRA ER42011 /5, DA35219 /14 | |

|  | | Model designation | Radio equipment approval number |
|-------------------------------------------------------------------------------------|---------------------------|------------------------------|---------------------------------|
| KATHREIN | RKE213E1 (locking system) | TRA ER64693 /18, DA36975 /14 | |
| Gentex | MUAHL 5 (locking system) | TRA ER41849 /15, DA35176 /14 | |

Vietnam

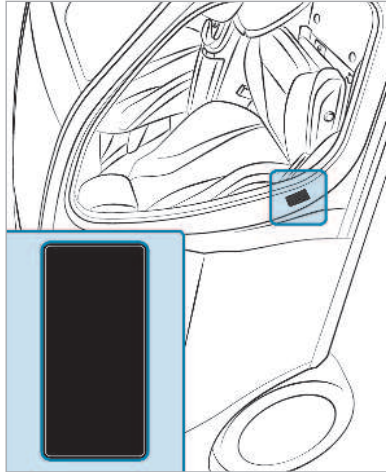
|  | | Model designation | Radio equipment approval number |
|-----------------------------------------------------------------------------------|-------------|-------------------------------------------|---------------------------------|
| Manufacturer | Huf Baolong | TSSRE4A (tyre pressure monitoring sensor) | C011220 0717AF0 4A2 |
| | Schrader | AG5SP4 (tyre pressure monitoring sensor) | C000205 0119AF0 42A |
| | Schrader | GG4T (tyre pressure monitoring sensor) | C0170191 017AF04 A2 |
| | Schrader | DG6W2D4 (tyre pressure monitoring sensor) | C007807 0518AF0 4A2 |

The Eurasian Economic Union

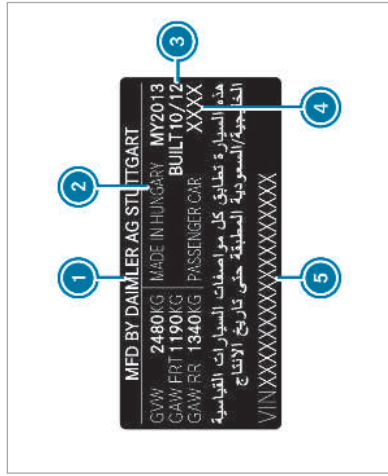
|  | |  | |  | |
|-------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------|--------------|-----------------------------------------------------------------------------------|---------------------------------|
| Manufacturer | Model designation | Radio equipment approval number | Manufacturer | Model designation | Radio equipment approval number |
| Bosch | LRR3 (radar sensor) | — | MAR-QUARDT | DC12A (locking system) | — |
| Bosch | MRR 1Rear (radar sensor) | — | MAR-QUARDT | DC12B (locking system) | — |
| Bosch | MRRe 14FCR (radar sensor) | — | MAR-QUARDT | DC12K (locking system) | — |
| ADC | ARS4-A (radar sensor) | — | MAR-QUARDT | MS2 (locking system) | — |
| ADC | ARS4-B (radar sensor) | — | MAR-QUARDT | MK1 (locking system) | — |
| | | | MAR-QUARDT | MK2 (locking system) | — |
| | | | MAR-QUARDT | 3350.38 (locking system) | — |
| | | | HELLA | DM4 (locking system) | — |
| | | | HELLA | MARSKEYLESS (locking system) | — |
| | | | HUF | HUF4761 (locking system) | — |
| | | | HUF | HUF14632 (locking system) | — |

Vehicle identification plate, VIN and engine number overview

Vehicle identification plate

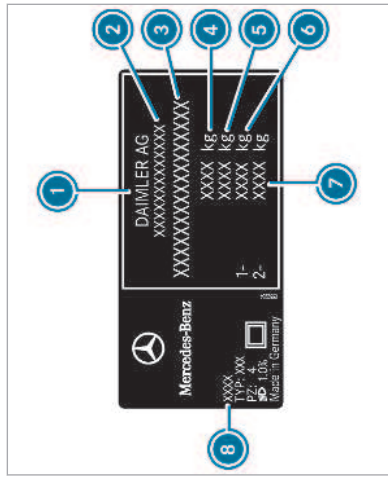


| Manufacturer | Model designation | Radio equipment approval number |
|----------------|---------------------------|---------------------------------|
| LEOPOLD KOSTAL | KK1 (locking system) | — |
| Hirschmann | 920287A (locking system) | — |
| Hirschmann | 920287B (locking system) | — |
| KATHREIN | RKE213E1 (locking system) | — |



Vehicle identification plate (example: Kuwait)

- 1 Vehicle manufacturer
- 2 Place of manufacture
- 3 Manufacturing date
- 4 Paint code
- 5 VIN



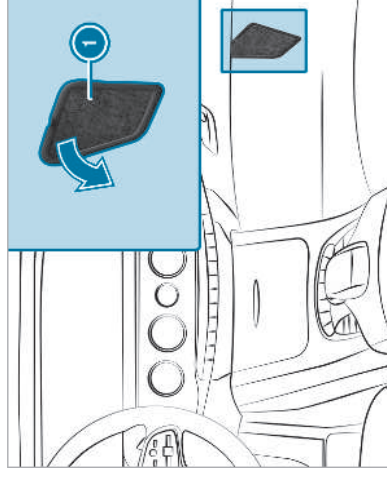
Vehicle identification plate (example: all other countries)

- 1 Vehicle manufacturer
- 2 EU general operating permit number (only for certain countries)
- 3 VIN (vehicle identification number)
- 4 Maximum permissible gross vehicle weight (kg)

- 5 Permissible gross mass of vehicle combination (kg) (for certain countries only, optional)
- 6 Maximum permissible front axle load (kg)
- 7 Maximum permissible rear axle load (kg)
- 8 Paint code

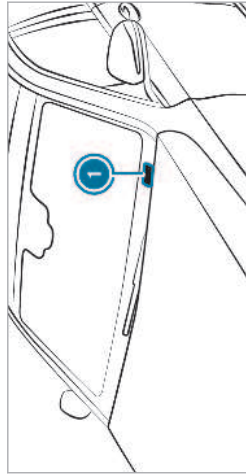
i The data shown in the illustration is example data.

VIN in front of the front seat



- 1 VIN (vehicle identification number)

VIN at the lower edge of the windshield



i VIN (vehicle identification number)

The VIN at the lower edge of the windshield is only available in some countries.

Engine number

The engine number is stamped into the crankcase.

i Further information can be obtained at a qualified specialist workshop.

Operating fluids Notes on operating fluids

A **WARNING** Risk of injury from operating fluids harmful to your health

Operating fluids may be poisonous and harmful to your health.

- ▲ Observe the text on the original containers when using, storing or disposing of operating fluids.
- ▲ Always store operating fluids sealed in their original containers.
- ▲ Always keep children away from operating fluids.

A **WARNING** Risk of fire or explosion from fuel

Fuels are highly flammable.

- ▲ Fire, naked flames, smoking and creation of sparks must be avoided.

- ▲ Switch off the ignition and, if available, the stationary heater, before and while refuelling the vehicle.

A **WARNING** Risk of injury from fuels

Fuels are poisonous and hazardous to your health.

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

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

- ▲ Immediately rinse fuel off your skin with soap and water.
- ▲ If fuel comes into contact with your eyes, immediately rinse them thoroughly with clean water. Seek medical attention immediately.

- ▲ If you swallow fuel, seek medical attention immediately. Do not induce vomiting.
- ▲ Change immediately out of clothing that has come into contact with fuel.

 **ENVIRONMENTAL NOTE** Environmental pollution caused by environmentally irresponsible disposal

- ▲ Dispose of operating fluids in an environmentally responsible manner.

Operating fluids include the following:

- fuels
- exhaust gas aftertreatment additives, e.g. DeNOx agent AdBlue[®], diesel exhaust fluid
- lubricants
- coolant
- brake fluid
- windscreen washer fluid
- climate control system refrigerant

Only use products approved by Mercedes-Benz. Damage caused by the use of products that have not been approved is not covered by the Mercedes-Benz warranty or goodwill gestures. You can identify operating fluids approved by Mercedes-Benz by the following inscriptions on the container:

- MB-Freigabe (e.g. MB-Freigabe 229.51)
- MB-Approval (e.g. MB-Approval 229.51)

Further information on approved operating fluids:

- in the Mercedes-Benz Specifications for Operating Fluids at <http://bevo.mercedes-benz.com> (by entering the designation)
- in the Mercedes-Benz Specifications for Operating Fluids in the Mercedes-Benz BeVo app (by entering the designation)
- at a qualified specialist workshop

Fuel

Information on fuel grades for vehicles with petrol engines

Observe the notes on operating fluids (→ page 563).

! **NOTE** Damage caused by the wrong fuel

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

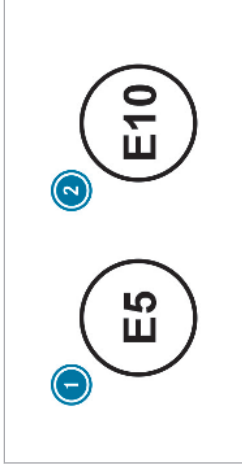
- ▲ Only refuel using unleaded, sulphur-free fuel that conforms to European EN 228, or an equivalent specification.

Fuel of this specification may contain up to 10% ethanol by volume. Your vehicle is suitable for use with E10 fuel.

Never refuel with one of the following fuels:

- diesel
- regular petrol with an octane number lower than 91 RON

- petrol with more than 10% ethanol by volume, e.g. E15, E20, E85, E100
 - petrol with more than 3% methanol by volume, e.g. M15, M30
 - petrol with additives containing metal
- If you have accidentally refuelled with the wrong fuel:
- ▶ do not switch on the ignition.
 - ▶ consult a qualified specialist workshop.



- ① For petrol with maximum 5% ethanol by volume
- ② For petrol with maximum 10% ethanol by volume

If the available fuel is not sufficiently low in sulphur, this can produce unpleasant odours.

Recommended fuel: the recommended octane number for your vehicle can be found in the instruction label in the fuel filler flap (→ page 189).

All models: if you wish to achieve maximum engine output, refuel using only super unleaded petrol with at least 98 RON. Alternatively, you

can also refuel using premium grade petrol with at least 95 RON.

All models: as a temporary measure, if the recommended fuel is not available, you may also use regular unleaded petrol with an octane number of at least 91 RON. This may reduce engine output and increase fuel consumption.

Never refuel using petrol with a lower RON.

Further information on fuel can be found:

- at a filling station
- at a qualified specialist workshop

Information on additives in petrol

Observe the notes on operating fluids (→ page 563).

! NOTE Damage from use of unsuitable additives

Even small amounts of the wrong additive may lead to malfunctions occurring.

- ▶ Only add cleaning additives recommended by Mercedes-Benz to the fuel.

Mercedes-Benz recommends that you use fuel brands that have additives.

In some countries, the fuel available may not have sufficient additives. Residue could build up in the fuel injection system as a result. In this case, in consultation with a Mercedes-Benz service centre, the fuel may be mixed with the cleaning additive recommended by Mercedes-Benz. Be sure to observe the notes and mixing ratios specified on the container.

Information on fuel grades for vehicles with a diesel engine

General notes

Observe the notes on operating fluids (→ page 563).

A WARNING Risk of fire from fuel mixture

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

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

! NOTE Damage caused by the wrong fuel

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

- ▶ Only refuel using sulphur-free diesel fuel that conforms to European standard EN 590, or an equivalent specification.

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

Never refuel with one of the following fuels:

- petrol
- marine diesel
- heating oil
- pure bio-diesel fuel or vegetable oil
- paraffin or kerosene

If you have accidentally refuelled with the wrong fuel:

- ▶ Do not switch the ignition on.

- ▶ Consult a qualified specialist workshop.

The following compatibility indication for fuel applies to your vehicle:



- ▶ For diesel fuel with a maximum of 7% by volume bio-diesel (fatty acid methyl ester)

According to European standard EN 16942 you can find the compatibility indications at the following locations:

- on the vehicle on the information label in the fuel filler flap (→ page 189)
- on the fuel pump or pump nozzle suitable for your vehicle throughout Europe

Information on low outside temperatures

Refuel your vehicle with as much winter diesel fuel as possible at the beginning of winter.

Before changing over to winter diesel fuel, the fuel tank should be empty, if possible. When first refuelling with winter diesel fuel, only refuel using a small amount, e.g. to reserve level. The fuel tank can be filled as usual when next refuelling.

Further information on fuel can be obtained at a filling station or a qualified specialist workshop.

Tank content and fuel reserve

Missing values were not available at the time of going to press.

The total capacity of the fuel tank may vary, depending on the vehicle equipment.

| Model | Total capacity |
|-----------------------|----------------|
| All models | |
| of which reserve fuel | |
| All models | |

AdBlue®

Notes on AdBlue®

Observe the notes on operating fluids (→ page 563).

AdBlue® is a water-soluble fluid for the NOx exhaust gas aftertreatment of diesel engines.

It may be improper or punishable in some countries to operate a vehicle that uses no AdBlue® or one that does not comply with the specifications of these operating instructions.

! **NOTE** Malfunctions due to the dilution of AdBlue® or the use of additive-enhanced AdBlue®

The function of the NOx exhaust gas after-treatment can be impaired by the use of unsuitable denoxification agents.

- ▶ Only use AdBlue® in accordance with ISO 22241.
- ▶ Do not dilute AdBlue® with water.
- ▶ Do not use additive-enhanced AdBlue®.

! **NOTE** Damage and malfunctions due to impurities in AdBlue®

Consequences of impurities in AdBlue®:

- increased emission values
 - damage to the catalytic converter
 - NOx exhaust gas aftertreatment malfunctions
- ▶ Avoid impurities in AdBlue®.

AdBlue® residues crystallise after a period of time, and contaminate the surfaces with which they come into contact. Clean the dirty surfaces with water as soon as possible.

When you open the AdBlue® tank, small amounts of ammonia vapour may escape. Do not inhale any ammonia vapours that may be released. Only fill the AdBlue® tank in well-ventilated areas.

AdBlue® capacity
Missing values were not available at the time of going to press.

Total capacity of AdBlue® tank

| Model | Total capacity |
|------------|----------------|
| All models | |

AdBlue® consumption

The average AdBlue® consumption is between 1% and 5% of fuel consumption. Like fuel consumption, AdBlue® consumption is highly dependent upon driving style and operating conditions. For this reason, your vehicle's actual consumption figures under day-to-day operating conditions may differ from the consumption figures calculated. The frequency at which you will have to top up AdBlue® will also vary. Have the AdBlue® supply checked at a qualified specialist workshop before making journeys outside of Europe. Before a longer stay outside of Europe, consult a qualified specialist workshop.

AdBlue® range and fill level

The AdBlue® fill level and range can be displayed via the on-board computer. The AdBlue® range shown depends strongly on the driving style and operating conditions. The actual range can

therefore deviate from the range currently displayed in the on-board computer. The information supplied in the Owner's Manual regarding the reserve quantity at the first display warning and on the minimum top-up quantity when the tank is empty is also to be understood as guide values.

Display the AdBlue® range and level (→ page 277).

Display the AdBlue® fill level and range (see vehicle Owner's Manual).

Engine oil**Notes on engine oil**

Observe the notes on operating fluids (→ page 563).



! **NOTE** Engine damage caused by an incorrect oil filter, incorrect oil or additives

Do not use engine oils or oil filters which do not correspond to the specifications explicitly prescribed for the service intervals.

Do not alter the engine oil or oil filter in order to achieve longer change intervals than prescribed.

Do not use additives.
Have the engine oil renewed at regular intervals.

Mercedes-Benz recommends that you have the oil change carried out at a qualified specialist workshop.

Only use engine oils approved by Mercedes-Benz.

Petrol engines: for certain countries, different engine oils can be used in conjunction with reduced maintenance intervals.

i Further information on different engine oils can be obtained at a qualified specialist workshop.

Quality and capacity of engine oil

Missing values were not available at the time of going to press.

MB-Freigabe or MB-Approval (petrol engines)

| Model | Engine oil specifications |
|------------|---------------------------|
| All models | |

MB-Freigabe or MB-Approval (diesel engines)

| Model | Engine oil specifications |
|------------|---------------------------|
| All models | |

* recommended for lowest possible fuel consumption (lowest SAE viscosity class in each case; observe possible restrictions of the approved SAE viscosity classes)

To achieve the lowest possible fuel consumption, it is recommended to use the engine oil specifications marked in the table for the lowest SAE viscosity class. Possible restrictions of the approved SAE viscosity classes must be observed.

If the engine oils listed in the table are not available, you may add a maximum of 1.0 litre of the following engine oils once only:

- **petrol engines:** MB-Freigabe or MB-Approval
- **diesel engines:** MB-Freigabe or MB-Approval

The following values refer to an oil change, including the oil filter.

Missing values were not available at the time of going to press.

Replacement amount

| Model | Replacement amount |
|------------|--------------------|
| All models | |

Notes on brake fluid

Observe the notes on operating fluids (→ page 563).

A WARNING Risk of an accident due to vapour pockets forming in the brake system

The brake fluid constantly absorbs moisture from the air. This lowers the boiling point of the brake fluid. If the boiling point is too low, vapour pockets may form in the brake system when the brakes are applied hard. This impairs the braking effect.

570 Technical data

- ▶ Have the brake fluid renewed at the specified intervals.

Have the brake fluid regularly replaced at a qualified specialist workshop.
Only use a brake fluid approved by Mercedes-Benz according to MB-Freigabe or MB-Approval 331.0.

Coolant

Notes on coolant

Observe the notes on operating fluids (→ page 563).

- ▲ **WARNING** Risk of fire- and injury from antifreeze

If antifreeze comes into contact with hot component parts in the engine compartment, it may ignite.

- ▶ Allow the engine to cool down before you top up the antifreeze.
- ▶ Make sure that no antifreeze spills out next to the filler opening.

- ▶ Thoroughly clean the antifreeze from component parts before starting the vehicle.

! **NOTE** Damage caused by incorrect coolant

- ▶ Only add coolant that has been pre-mixed with the required antifreeze protection.

Information on coolant is available at the following locations:

- in the Mercedes-Benz Specifications for Operating Fluids 310.1
 - at <https://bevo.mercedes-benz.com>
 - in the Mercedes-Benz BeVo App
- at a qualified specialist workshop

! **NOTE** Overheating at high outside temperatures

If an inappropriate coolant is used, the engine cooling system is not sufficiently pro-

tected against overheating and corrosion at high outside temperatures.

- ▶ Always use coolant approved by Mercedes-Benz.

▶ Observe the instructions in the Mercedes-Benz Specifications for Operating Fluids 310.1.

Have the coolant regularly replaced at a qualified specialist workshop.

The proportion of corrosion inhibitor/antifreeze concentrate in the engine cooling system should be:

- a minimum of 50% (antifreeze protection down to approximately -37 °C)
- a maximum of 55% (antifreeze protection down to -45 °C)

Notes on windscreen washer fluid

Observe the notes on operating fluids (→ page 563).

▲ WARNING - Risk of fire and injury due to windscreen washer concentrate

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

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

! NOTE Damage to the exterior lighting due to unsuitable windscreen washer fluid

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

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

! NOTE Blocked spray nozzles caused by mixing windscreen washer fluids

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

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

Recommended windscreen washer fluid:

- Above freezing point: e.g. MB SummerFit
- Below freezing point: e.g. MB WinterFit

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

Mix the washer fluid with the windscreen washer fluid all year round.

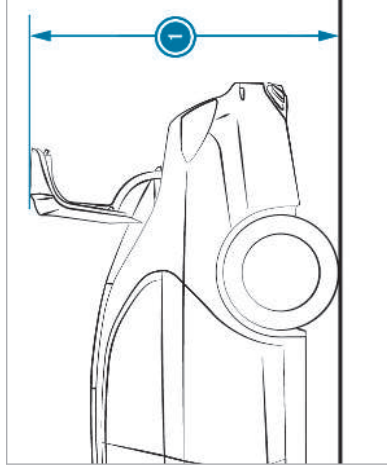
Vehicle data

Vehicle dimensions

The heights specified may vary as a result of:

- tyres
- load

- condition of the suspension
- optional equipment



Missing values were not available at the time of going to press.

Height when opened

| Model |  Height when opened |
|------------|--------------------------------------------------------------------------------------------------------|
| All models | |

Vehicle dimensions

| All models |
|------------------------------------------|
| Vehicle length |
| Vehicle width including out-side mirrors |
| Vehicle width excluding out-side mirrors |
| Wheelbase |

Vehicle height

| Model |
|------------|
| All models |

Weights and loads

Please note that for the specified vehicle data:

- Items of optional equipment increase the unladen weight and reduce the payload.
- Vehicle-specific weight information can be found on the vehicle identification plate (→ page 561).

Missing values were not available at the time of going to press.

Roof load

| All models |
|-------------------|
| Maximum roof load |

Trailer hitch**General notes on the trailer hitch**

Modifications to the engine cooling system may be necessary, depending on the vehicle model. The retrofitting of a trailer hitch is only permissible if a towing capacity is specified in your vehicle documents.

Further information can be obtained at a qualified specialist workshop.

Display messages



Introduction



Information about display messages


Display messages appear on the driver display. Display messages with graphic symbols are simplified in the Owner's Manual and may differ from the symbols on the driver display. The driver display shows high-priority display messages in red. Certain display messages are accompanied by a warning tone.

Please act in accordance with the display messages and follow the additional notes in the Owner's Manual.

For some display messages, a symbol will also be shown:

-  Further information
-  Hide display message

You can select the desired symbol by swiping left or right on the left-hand Touch Control. Press the  symbol to show further information on the driver display. Press the  symbol to hide the display message.

You can hide low-priority display messages by pressing the  button or the left-hand Touch Control. The display messages will then be saved in the message memory.

Rectify the cause of a display message as quickly as possible.


High-priority display messages cannot be hidden. The driver display will show these display messages continuously until the cause of the display message has been rectified.

Calling up saved display messages

On-board computer:




 Service  Message memory: XX

If there are no display messages, **Keine Meldungen vorhanden** will appear on the driver display.

 Scroll through the display messages by swiping upwards or downwards on the left-hand Touch Control.

 **To exit the message memory:** press the  button.

Occupant safety

| Display messages | Possible causes/consequences and ► Solutions |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>Restraint system malfunction Consult workshop</p> | <p>* The restraint system is malfunctioning (→ page 36).</p> <p>▲ WARNING Risk of injury due to malfunctions in the restraint system</p> <p>▲ Components in the restraint system may be activated unintentionally or not deploy as intended in an accident.</p> <p>► Have the restraint system checked and repaired immediately at a qualified specialist workshop.</p> |
|  <p>Front left malfunction Consult workshop (example)</p> | <p>* The corresponding restraint system is malfunctioning (→ page 36).</p> <p>▲ WARNING Risk of injury due to malfunctions in the restraint system</p> <p>▲ Components in the restraint system may be activated unintentionally or not deploy as intended in an accident.</p> <p>► Have the restraint system checked and repaired immediately at a qualified specialist workshop.</p> |
|  <p>Left windowbag malfunction Consult workshop (example)</p> | <p>* The corresponding window airbag is malfunctioning (→ page 36).</p> <p>▲ WARNING Risk of injury or fatal injury due to a malfunction in the windowbag</p> <p>▲ The windowbag might be triggered unintentionally or might not be triggered at all in the event of an accident.</p> <p>► Have the windowbag checked and repaired immediately at a qualified specialist workshop.</p> |

| Display messages | Possible causes/consequences and Solutions |
|-----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Push rear left seat belt extender back manually See Owner's Manual (example)</p> | <p>* The corresponding seat belt extender is malfunctioning.</p> <ul style="list-style-type: none"> ▶ Slide the seat belt extender back into its original position manually. ▶ If the malfunction occurs again, consult a qualified specialist workshop. |
| <p>Front passenger airbag disabled See Owner's Manual</p> | <p>* The front passenger airbag has been disabled even though an adult or a person with an adult stature is on the front passenger seat. If additional forces are applied to the seat, the weight the system detects may be too low.</p> <p>▲ WARNING - Risk of injury or even fatal injury when the front passenger airbag is disabled</p> <p>If the front passenger airbag is disabled, it will not be deployed in the event of an accident and cannot perform its intended protective function.</p> <p>A person in the front passenger seat could then, for example, come into contact with the vehicle interior, especially if the person is sitting too close to the dashboard.</p> <ul style="list-style-type: none"> ▶ Be aware of the status of the front passenger airbag both before and during the journey. <ul style="list-style-type: none"> ▶ Stop the vehicle immediately in accordance with the traffic conditions. ▶ Check the status of the automatic front passenger airbag actuation (→ page 47). ▶ If necessary, consult a qualified specialist workshop immediately. |
| <p>Front passenger airbag enabled See Owner's Manual</p> | <p>* The front passenger airbag is enabled while the vehicle is in motion:</p> <ul style="list-style-type: none"> • even when a child, a small adult or an object weighing less than the system weight threshold is located on the front passenger seat |




576 Display messages and warning/indicator lamps

| Display messages | Possible causes/consequences and ► Solutions |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | <ul style="list-style-type: none"> • even when the front passenger seat is not occupied The system may detect objects or forces that are adding to the weight applied to the seat. <p>▲ WARNING Risk of injury or fatal injury when using a child restraint system while the front passenger airbag is enabled</p> <p>If you secure a child in a child restraint system on the front passenger seat and the front passenger airbag is enabled, the front passenger airbag may deploy in the event of an accident. The child could be struck by the airbag.</p> <ul style="list-style-type: none"> ► Both before and during the journey, ensure that the status of the front passenger airbag is correct. NEVER use a rearward facing child restraint on a seat protected by an ACTIVE AIRBAG in front of it, DEATH or SERIOUS INJURY to the child can occur. <ul style="list-style-type: none"> ▲ Stop the vehicle immediately in accordance with the traffic conditions. ▲ Check the status of the automatic front passenger airbag actuation (→ page 47). ▲ If necessary, consult a qualified specialist workshop immediately. |
| PRE-SAFE inoperative See Owner's Manual | <p>* The PRE-SAFE® functions are malfunctioning.</p> <ul style="list-style-type: none"> ▲ Consult a qualified specialist workshop. |

| Display messages | Possible causes/consequences and ► Solutions |
|--------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>PRE-SAFE® impulse side inoperative See Owner's Manual</p> | <p>* The PRE-SAFE® Impulse Side system is malfunctioning or inoperative after having already been triggered. ► Consult a qualified specialist workshop.</p> |

Key

| Display messages | Possible causes/consequences and ► Solutions |
|---------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p> Replace key See Owner's Manual</p> | <p>* Vehicles with a digital vehicle key : only a few or no authorisations remain for starting the engine. ► Make sure that the internet connection is not restricted by certain mobile phone settings. ► Open Mercedes me connect https://www.mercedes.me and call up the Digital Vehicle Key service. ► Deactivate the service first and then activate it again. ► If the display message still appears, contact the Mercedes-Benz Customer Assistance Center (CAC). * Vehicles with a digital vehicle key sticker: only a few or no authorisations remain for starting the engine. ► Order a new digital vehicle key sticker from a Mercedes-Benz Service Centre or at the https://www.mercedes-benz-mobile.com/.</p> |
| <p> Replace key</p> | <p>* The key needs to be replaced. ► Consult a qualified specialist workshop.</p> |






| Display messages | Possible causes/consequences and ► Solutions |
|-------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>Change key batteries</p> | <p>* The key battery is discharged.</p> <ul style="list-style-type: none"> ► Replace the battery (→ page 69). |
|  <p>Key not detected (white display message)</p> | <p>* The key is currently undetected.</p> <ul style="list-style-type: none"> ► Change the location of the key in the vehicle. ► If the key is still not recognised, place it in the slot for starting with the key (→ page 174). |
|  <p>Key not detected (red display message)</p> | <p>* The key cannot be detected and may no longer be in the vehicle.</p> <p>The key is no longer in the vehicle and you switch off the engine:</p> <ul style="list-style-type: none"> • You can no longer start the engine. • You cannot centrally lock the vehicle. <ul style="list-style-type: none"> ► Ensure that the key is in the vehicle. <p>If the key detection function has a malfunction due to a strong radio signal source:</p> <ul style="list-style-type: none"> ► Stop the vehicle immediately in accordance with the traffic conditions. ► Place the key in the slot for starting the engine with the key (→ page 174). |

| Display messages | Possible causes/consequences and ► Solutions |
|-------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Place the key in the marked space See Owner's Manual</p> | <p>* Key detection is malfunctioning.</p> <ul style="list-style-type: none"> ► Change the location of the key in the vehicle. ► Place the key in the slot for starting the engine with the key (→ page 174). |

Lights

| Display messages | Possible causes/consequences and ► Solutions |
|----------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p> Left dipped beam (example)</p> | <p>* The corresponding light source is defective.</p> <ul style="list-style-type: none"> ► Drive on carefully. ► Consult a qualified specialist workshop immediately. <p>ⓘ LED light sources: the display message for the corresponding light appears only when all the light-emitting diodes in the light are faulty.</p> |
| <p> Malfunction See Owner's Manual</p> | <p>* The exterior lighting is malfunctioning.</p> <ul style="list-style-type: none"> ► Consult a qualified specialist workshop. <p>* Vehicles with a trailer hitch: a fuse may have blown.</p> <ul style="list-style-type: none"> ► Stop the vehicle in accordance with the traffic conditions. ► Check the fuses and replace them if necessary (→ page 485). |




580 Display messages and warning/indicator lamps

| Display messages | Possible causes/consequences and ► Solutions |
|---------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>Automatic driving lights inoperative</p> | <p>* The light sensor is malfunctioning.</p> <ul style="list-style-type: none"> ► Consult a qualified specialist workshop. |
|  <p>Active Light System inoperative</p> | <p>* The active headlamps are malfunctioning.</p> <ul style="list-style-type: none"> ► Consult a qualified specialist workshop. |
|  <p>Switch on headlamps</p> | <p>* You are driving without low-beam headlamps.</p> <ul style="list-style-type: none"> ► Turn the light switch to the  or AUTO position. |
|  <p>Switch off lights</p> | <p>* You are leaving the vehicle and the lights are still switched on.</p> <ul style="list-style-type: none"> ► Turn the light switch to the AUTO position. |




| Display messages | Possible causes/consequences and Solutions |
|---------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DIGITAL LIGHT Functions limited | <p>* The DIGITAL LIGHT system is malfunctioning. The lighting system will continue to function without the functions of the DIGITAL LIGHT system.</p> <ul style="list-style-type: none"> ▶ Consult a qualified specialist workshop. |
| MULTIBEAM LED Functions limited | <p>* The MULTIBEAM LED system is malfunctioning. The lighting system will continue to function without the functions of the MULTIBEAM LED system.</p> <ul style="list-style-type: none"> ▶ Consult a qualified specialist workshop. |
| Adaptive Highbeam Assist Plus currently unavailable See Owner's Manual | <p>* Adaptive Highbeam Assist Plus is temporarily unavailable. The system limits have been reached (→ page 147).</p> <ul style="list-style-type: none"> ▶ Drive on. ▶ Once the cause of the problem is no longer present, the system will be available again. The Adaptive Highbeam Assist Plus available again display message will appear. |
| Adaptive Highbeam Assist Plus inoperative | <p>* Adaptive Highbeam Assist Plus is malfunctioning.</p> <ul style="list-style-type: none"> ▶ Consult a qualified specialist workshop. |
| Hazard warning lamp system Malfunction | <p>* The hazard warning lamp switch is malfunctioning.</p> <ul style="list-style-type: none"> ▶ Consult a qualified specialist workshop. |

582 Display messages and warning/indicator lamps

Climate control

| Display messages | Possible causes/consequences and Solutions |
|-------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>Inoperative See Owner's Man.</p> | <p>* The stationary heater is temporarily malfunctioning.</p> <ul style="list-style-type: none"> ▶ When the vehicle is stationary on a level surface and the engine has cooled down, make up to four attempts to switch on the stationary heater, waiting several minutes between each attempt. ▶ If the stationary heater does not switch on, consult a qualified specialist workshop. |
|  <p>Inoperative Battery low</p> | <p>* The on-board electrical system voltage is too low. The stationary heater has switched itself off.</p> <ul style="list-style-type: none"> ▶ Drive an extended distance until the battery has reached a sufficient charge level again. |
|  <p>Inoperative Refuel vehicle</p> | <p>* There is too little fuel in the fuel tank. The stationary heater cannot be switched on.</p> <ul style="list-style-type: none"> ▶ Refuel the vehicle. |

Vehicle

| Display messages | Possible causes/consequences and Solutions |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>Vehicle is operational Switch off ignition before exiting</p> | <p>* You are leaving the vehicle when it is in a ready-to-drive state.</p> <ul style="list-style-type: none"> ▲ When you leave the vehicle, switch off the ignition, secure the vehicle against rolling away and take the key with you. ▲ If you do not leave the vehicle, switch off the electrical consumers, e.g. the seat heating. Otherwise, the 12 V battery may discharge and it will then be possible to start the vehicle only with the aid of a second battery (starting assistance). |
|  <p>Operation only possible in transmission position P</p> | <p>* The ball neck will not swivel because transmission position D, R or neutral N is selected.</p> <ul style="list-style-type: none"> ▲ Depress the brake pedal. ▲ Engage park position P. |
|  <p>Trailer coupling in motion</p> | <p>* The ball neck will retract/extend. Do not attempt to speed up, slow down or initiate the swivel movement using your hand, foot or other aids. During the swivel movement, do not couple a trailer. When the ball neck has reached an operational position, the display message will disappear.</p> |

584 Display messages and warning/indicator lamps

Display messages



Check trailer hitch lock (white display message)

Possible causes/consequences and Solutions

* The trailer hitch is not operational during a journey with a trailer.

▲ WARNING Risk of an accident if the ball neck is not locked

The trailer may become detached.

- ▲ Stop the vehicle immediately in accordance with the traffic conditions. Do not continue driving.
- ▲ Uncouple the trailer and secure it against rolling away.
- ▲ Initiate a new swivel movement and do not re-couple the trailer until the warning/indicator lamp goes out.

▲ Initiate a new swivel movement and, at the same time, pull and hold the button on the boot lid until the ball neck engages beneath the bumper (→ page 265).

▲ When the display message disappears, couple up the trailer and drive on.


If the display message does not disappear, the trailer hitch is malfunctioning and the ball neck is not locked.

▲ Do not couple up the trailer. Drive on without the trailer. Note the reduced ground clearance due to the unlocked ball neck.




▲ Consult a qualified specialist workshop.



* The trailer hitch will not be operational when the vehicle is stationary.

▲ Uncouple the coupled trailer and secure it against rolling away.



| Display messages | Possible causes/consequences and ► Solutions |
|------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | <p>► If the ball neck is retracted: initiate a new swivel movement and, at the same time, pull and hold the button on the boot lid until the ball neck engages vertically in the locked position and then engages beneath the bumper (→ page 265).</p> <p>► If the ball neck is extended: pull and hold the button on the boot lid until the ball neck engages beneath the bumper.</p> <p>If the display message does not disappear, the trailer hitch is malfunctioning and the ball neck is not locked.</p> <p>► Do not couple up the trailer. Drive on without the trailer. Note the reduced ground clearance due to the unlocked ball neck.</p> <p>► Consult a qualified specialist workshop.</p> |
|  <p>Steering malfunction Drive carefully Visit workshop</p> | <p>* An electric power steering malfunction has occurred. Steering characteristics may be restricted as a result.</p> <p>► Drive on carefully.</p> <p>► Consult a qualified specialist workshop.</p> |

586 Display messages and warning/indicator lamps

| Display messages | Possible causes/consequences and ► Solutions |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>Steering malfunction Increased physical effort See Owner's Manual</p> | <p>* The power steering assistance is malfunctioning.</p> <p>▲ WARNING Risk of an accident due to altered steering characteristics If the power assistance of the steering fails partially or completely, you will need to use more force to steer.</p> <ul style="list-style-type: none"> ▶ If safe steering is possible, drive on carefully. ▶ Visit or consult a qualified specialist workshop immediately. |
|  <p>Steering malfunction Stop immediately See Owner's Manual</p> | <p>* The steering is malfunctioning. Steering capability is significantly impaired.</p> <p>▲ WARNING Risk of accident if steering capability is impaired If the steering does not function as intended, the vehicle's operating safety is jeopardised.</p> <ul style="list-style-type: none"> ▶ Pull over and stop the vehicle safely as soon as possible, paying attention to road and traffic conditions. ▶ Do not continue driving under any circumstances. ▶ Consult a qualified specialist workshop. |
|  <p>Rear axle steering currently malfunctioning</p> | <p>* The rear axle steering is temporarily unavailable. The turning circle may become wider.</p> <ul style="list-style-type: none"> ▶ Stop the vehicle in accordance with the traffic conditions and restart the engine. <p>If the display message does not disappear:</p> <ul style="list-style-type: none"> ▶ Drive on carefully. ▶ Consult a qualified specialist workshop. |



| Display messages | Possible causes/consequences and Solutions |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>Rear axle steering Malfunction Visit workshop</p> | <p>Possible causes/consequences and Solutions</p> <p>* The rear axle steering is malfunctioning. The rear axle has no steering capability. The steering wheel may be tilted when you drive in a straight line.</p> <ul style="list-style-type: none"> ▲ Adapt your speed and drive on carefully. ▲ Consult a qualified specialist workshop immediately. |
|  <p>Rear axle steering Malfunction Stop immediately</p> | <p>* The rear axle steering is malfunctioning. The rear axle has no steering capability. The steering wheel may tilt considerably when you drive in a straight line. Depending on the steering wheel's tilting position, the steering wheel will also vibrate and a continuous warning tone will sound.</p> |
| <p>▲ WARNING Risk of accident if steering capability is impaired If the steering does not function as intended, the vehicle's operating safety is jeopardised.</p> <ul style="list-style-type: none"> ▲ Pull over and stop the vehicle safely as soon as possible, paying attention to road and traffic conditions. ▲ Do not continue driving under any circumstances. ▲ Consult a qualified specialist workshop. <p>▲ Stop the vehicle immediately in accordance with the traffic conditions. Do not continue driving. When stopping, bear the enlarged vehicle width in mind.</p> | |

588 Display messages and warning/indicator lamps

| Display messages | Possible causes/consequences and Solutions |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Snow chain mode Maximum speed exceeded</p> | <ul style="list-style-type: none"> ▲ Consult a qualified specialist workshop. * The maximum permissible speed for snow chain mode has been exceeded. <ul style="list-style-type: none"> ▲ Drive more slowly. |
| <p>Active bonnet malfunction See Owner's Manual</p> | <ul style="list-style-type: none"> ▲ The active bonnet (pedestrian protection) is malfunctioning or inoperative after having already been triggered. <ul style="list-style-type: none"> ▲ Consult a qualified specialist workshop. |
|  | <ul style="list-style-type: none"> * At least one door is open. <ul style="list-style-type: none"> ▲ Close all doors. |
|  | <ul style="list-style-type: none"> * The bonnet is open. <ul style="list-style-type: none"> ▲ WARNING Risk of accident due to driving with the bonnet unlocked The bonnet may open and block your view. <ul style="list-style-type: none"> ▲ Never release the bonnet when driving. ▲ Before every trip, ensure that the engine bonnet is locked. <p>▲ Stop the vehicle immediately, paying attention to road and traffic conditions. ▲ Close the bonnet.</p> |



| Display messages | Possible causes/consequences and Solutions |
|-----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p>* The boot lid is open.</p> <p>▲ DANGER Risk of exhaust gas poisoning Combustion engines emit poisonous exhaust gases such as carbon monoxide. Exhaust gases can enter the vehicle interior if the boot lid is open when the engine is running, especially if the vehicle is in motion.</p> <ul style="list-style-type: none"> ▲ Always switch off the engine before opening the boot lid. ▲ Never drive with the boot lid open. <p>▲ Close the boot lid.</p> |
|  <p>Rear left seat backrest not locked (example)</p> | <p>* The seat backrest of the corresponding seat is not engaged.</p> <p>▲ Fold the seat backrest back until it engages.</p> |
| <p>Anti-theft alarm system Malfunction</p> | <p>* The anti-theft alarm system is malfunctioning.</p> <p>▲ Consult a qualified specialist workshop.</p> |

590 Display messages and warning/indicator lamps





| Display messages | Possible causes/consequences and ► Solutions |
|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>Top up washer fluid</p> | <p>* The washer fluid level in the washer fluid reservoir has dropped below the minimum.</p> <ul style="list-style-type: none"> ► Top up the washer fluid (→ page 460). |
|  <p>Intensive cleaning activated for 30 s</p> | <p>* Vehicles with MAGIC VISION CONTROL: intensive cleaning of the windscreen has been activated (→ page 151).</p> |

Engine

| Display messages | Possible causes/consequences and ► Solutions |
|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>To switch off the engine, press the Start/Stop button for at least 3 seconds or 3 times.</p> | <p>* You have pressed the start/stop button while the vehicle is in motion.</p> <ul style="list-style-type: none"> ► Information about switching off the engine while driving (→ page 173). |

| Display messages | Possible causes/consequences and ► Solutions |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>Top up coolant See Owner's Manual</p> | <p>* The coolant level is too low.</p> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> <p>! NOTE Engine damage due to insufficient coolant</p> <ul style="list-style-type: none"> ► Avoid long journeys with insufficient coolant. </div> <ul style="list-style-type: none"> ► Add coolant (→ page 459). ► Have the engine cooling system checked at a qualified specialist workshop. |
|  <p>Coolant Stop vehicle Switch engine off</p> | <p>* The coolant is too hot.</p> <ul style="list-style-type: none"> ► Stop the vehicle immediately in accordance with the traffic conditions and switch off the engine. <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> <p>▲ WARNING Danger of burns when opening the bonnet</p> <p>If you open the engine bonnet when the engine has overheated or during a fire in the engine compartment, you could come into contact with hot gases or other escaping operating fluids.</p> <ul style="list-style-type: none"> ► Before opening the bonnet, allow the engine to cool down. ► In the event of a fire in the engine compartment, keep the engine bonnet closed and call the fire service. </div> <ul style="list-style-type: none"> ► Wait until the engine has cooled down. ► Make sure that the air supply to the radiator is not obstructed. ► Avoiding high loads on the engine, drive to the nearest qualified specialist workshop. In doing so, ensure that the coolant temperature display remains below 120 °C. |

592 Display messages and warning/indicator lamps

| Display messages | Possible causes/consequences and ► Solutions |
|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p>* The fan motor is defective.</p> <ul style="list-style-type: none"> ► Avoiding high loads on the engine, drive to the nearest qualified specialist workshop. In doing so, ensure that the coolant temperature display remains below 120 °C. |
|  <p>Reserve fuel level</p> | <p>* The fuel supply has dropped into the reserve range.</p> <ul style="list-style-type: none"> ► Refuel. |
|  <p>Clean the fuel filter</p> | <p>* Vehicles with diesel engines: the fuel filter is dirty or the water in the fuel filter needs to be drained.</p> <ul style="list-style-type: none"> ► Consult a qualified specialist workshop. |
|  <p>Replace air cleaner</p> | <p>* Vehicles with diesel engines: the engine air filter is dirty and must be replaced.</p> <ul style="list-style-type: none"> ► Consult a qualified specialist workshop. |

Transmission

| Display messages | Possible causes/consequences and Solutions |
|------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Only select P when vehicle is stationary</p> | <p>* Park position P can be engaged only when the vehicle is stationary.</p> <ul style="list-style-type: none"> ▲▲ To stop, depress the brake pedal. ▲▲ Shift the transmission to park position P while the vehicle is stationary. |
| <p>Apply brake to deselect P position</p> | <p>* You have attempted to shift the transmission out of park position P and into another transmission position.</p> <ul style="list-style-type: none"> ▲▲ Depress the brake pedal. ▲▲ Select transmission position D, R or neutral N. |
| <p>Apply brake and start engine to shift out of P or N</p> | <p>* You have attempted to shift the transmission out of park position P or neutral N and into another transmission position.</p> <ul style="list-style-type: none"> ▲▲ Depress the brake pedal. ▲▲ Change the transmission position. ▲▲ Start the engine. |
| <p>Apply brake to select D or R</p> | <p>* You have attempted to select transmission position D or R.</p> <ul style="list-style-type: none"> ▲▲ Depress the brake pedal. ▲▲ Select transmission position D or R. |
| <p>Apply brake to select R</p> | <p>* You have attempted to select transmission position R.</p> <ul style="list-style-type: none"> ▲▲ Depress the brake pedal. ▲▲ Select transmission position R. |

594 Display messages and warning/indicator lamps

| Display messages | Possible causes/consequences and Solutions |
|-------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Apply parking brake to park Visit workshop</p> | <p>* A malfunction has occurred in the emergency power supply to park position P.</p> <ul style="list-style-type: none"> ▲ Consult a qualified specialist workshop. ▲ Until then, always select park position P manually before you switch off the engine. ▲ Before leaving the vehicle, apply the electric parking brake. |
| <p>Risk of vehicle rolling away Driver's door open Trans- mission not in P</p> | <p>* The driver's door is not fully closed and transmission position D, R or neutral N is selected.</p> <ul style="list-style-type: none"> ▲ Select park position P when switching off the vehicle. |
| <p>Risk of vehicle rolling away Apply parking brake to park</p> | <p>* The transmission is malfunctioning. Park position P cannot be selected.</p> <ul style="list-style-type: none"> ▲ Park the vehicle safely. ▲ Use the electric parking brake to secure the vehicle against rolling away. ▲ On gradients, turn the front wheels so that the vehicle will roll towards the kerb if it starts moving. |
| <p>Risk of vehicle rolling away N activated manually No automatic switch to P</p> | <p>* While the vehicle was at a standstill or driving at very low speed, neutral N was engaged with the engine running or the ignition switched on.</p> <div style="border: 1px solid black; padding: 5px;"> <p>! NOTE Damage to the vehicle due to it rolling away</p> <p>When the ignition is being switched off or the driver's door opened, automatic engagement of park position P is deactivated.</p> <p>The vehicle may roll away.</p> </div> |

| Display messages | Possible causes/consequences and Solutions |
|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | <ul style="list-style-type: none"> ▲ Be ready to brake. ▲ Do not leave the vehicle unattended. <ul style="list-style-type: none"> ▲ Depress the brake pedal until the vehicle is stationary. ▲ Engage park position P when the vehicle is stationary with the brake pedal depressed. ▲ To continue driving with the brake pedal depressed, select transmission position D or R. |
| <p>N automatically activated Please select transmission position again</p> | <p>* Neutral N was automatically engaged when the vehicle was rolling or driving.</p> <ul style="list-style-type: none"> ▲ Depress the brake pedal until the vehicle is stationary. ▲ Engage park position P when the vehicle is stationary with the brake pedal depressed. ▲ To continue driving with the brake pedal depressed, select transmission position D or R. |
| <p>Reversing not poss. Consult workshop</p> | <p>* The transmission is malfunctioning. The transmission position R cannot be selected.</p> <ul style="list-style-type: none"> ▲ Consult a qualified specialist workshop. |
| <p>Transmission Malfunction Stop</p> | <p>* The transmission is malfunctioning. The transmission shifts to neutral N automatically.</p> <ul style="list-style-type: none"> ▲ Stop the vehicle immediately in accordance with the traffic conditions. ▲ Depress the brake pedal. ▲ Engage park position P. ▲ Consult a qualified specialist workshop. |

596 Display messages and warning/indicator lamps

| Display messages | Possible causes/consequences and ► Solutions |
|--------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Consult workshop without changing the transmission position</p> | <p>* The transmission is malfunctioning. The transmission position can no longer be changed.</p> <ul style="list-style-type: none"> ▲ If transmission position D is selected, consult a qualified specialist workshop and do not change the transmission position. ▲ For all other transmission positions, park the vehicle safely. ▲ Consult a qualified specialist workshop. |
| <p>Stop vehicle Leave engine running Wait Transmission cooling</p> | <p>* The transmission is overheating. Pulling away may be temporarily impaired or not possible.</p> <ul style="list-style-type: none"> ▲ Stop the vehicle immediately in accordance with the traffic conditions. Do not continue driving. ▲ Leave the engine running. ▲ Wait until the display message disappears before pulling away. |
| <p>Auxiliary battery malfunction</p> | <p>* There is a malfunction in the auxiliary battery.</p> <ul style="list-style-type: none"> ▲ Consult a qualified specialist workshop. ▲ Until then, always select park position P manually before you switch off the engine. ▲ Before leaving the vehicle, apply the electric parking brake. |

Brakes

Display messages



Parking brake See Owner's Manual

Possible causes/consequences and Solutions

* Die gelbe Kontrollleuchte  ist an. Die elektrische Feststellbremse ist gestört.

Zum Feststellen:

- ▶ Die Zündung aus- und wieder einschalten.
- ▶ Die elektrische Feststellbremse manuell feststellen (→ page 200).

Wenn sich die elektrische Feststellbremse nicht feststellen lässt:

- ▶ Eine qualifizierte Fachwerkstatt aufsuchen.
- ▶ Beim Abstellen das Fahrzeug bei Bedarf zusätzlich gegen Wegrollen sichern.

* Die gelbe Kontrollleuchte  und die rote Kontrollleuchte  sind an. Die elektrische Feststellbremse ist gestört.

Zum Lösen:

- ▶ Die Zündung aus- und wieder einschalten.
 - ▶ Die elektrische Feststellbremse manuell lösen (→ page 200).
- oder
- ▶ Die elektrische Feststellbremse automatisch lösen (→ page 200).
- Wenn sich die elektrische Feststellbremse danach nicht lösen lässt:
- ▶ Nicht weiterfahren! Eine qualifizierte Fachwerkstatt verständigen.

Display messages

Possible causes/consequences and Solutions

* Die gelbe Kontrollleuchte  ist an und die rote Kontrollleuchte  blinkt. Die elektrische Feststellbremse ist gestört.

Die elektrische Feststellbremse konnte nicht festgestellt oder gelöst werden.

- ▲ Die Zündung aus- und wieder einschalten.

Zum Feststellen:



- ▲ Die elektrische Feststellbremse manuell lösen und danach feststellen (→ page 200).

Zum Lösen:

- ▲ Die elektrische Feststellbremse manuell feststellen und danach lösen.



Wenn sich die elektrische Feststellbremse nicht feststellen lässt oder die rote Kontrollleuchte  weiterhin blinkt:

- ▲ Nicht weiterfahren! Eine qualifizierte Fachwerkstatt verständigen.
- ▲ Beim Abstellen das Fahrzeug bei Bedarf zusätzlich gegen Wegrollen sichern.





* Die gelbe Kontrollleuchte  ist an und die rote Kontrollleuchte  blinkt für etwa zehn Sekunden nach dem Feststellen oder Lösen der elektrischen Feststellbremse. Danach leuchtet sie weiter oder geht aus. Die elektrische Feststellbremse ist gestört.

Wenn der Ladezustand zu niedrig ist:

- ▲ Die 12-V-Batterie laden.



| Display messages | Possible causes/consequences and ► Solutions |
|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>Release parking brake</p> | <p>Zum Feststellen:</p> <ul style="list-style-type: none"> ▶ Die elektrische Feststellbremse manuell feststellen. <p>Wenn sich die elektrische Feststellbremse nicht feststellen lässt:</p> <ul style="list-style-type: none"> ▶ Eine qualifizierte Fachwerkstatt aufsuchen. ▶ Beim Abstellen das Fahrzeug bei Bedarf zusätzlich gegen Wegrollen sichern. <p>Zum Lösen:</p> <ul style="list-style-type: none"> ▶ Wenn die Bedingungen für das automatische Lösen erfüllt sind und die elektrische Feststellbremse nicht automatisch gelöst wird, die elektrische Feststellbremse manuell lösen (→ page 200). <p>Wenn sich die elektrische Feststellbremse dann nicht lösen lässt:</p> <ul style="list-style-type: none"> ▶ Nicht weiterfahren! Eine qualifizierte Fachwerkstatt verständigen. |
| | <p>* The red  indicator lamp is flashing.</p> <p>The electric parking brake is applied while you are driving:</p> <ul style="list-style-type: none"> • A condition for automatic release of the electric parking brake has not been fulfilled (→ page 200). • You are performing emergency braking using the electric parking brake (→ page 200). <ul style="list-style-type: none"> ▶ Check the conditions for automatic release of the electric parking brake. ▶ Release the electric parking brake manually. |

600 Display messages and warning/indicator lamps


| Display messages | Possible causes/consequences and Solutions |
|----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>Turn on the ignition to release the parking brake</p> | <p>* The red  indicator lamp is lit. You have attempted to release the electric parking brake with the ignition switched off.</p> <p>▲ Switch on the ignition.</p> |
|  <p>Brake immediately</p> | <p>* A malfunction has occurred while the HOLD function was activated. A horn may also sound at regular intervals. You cannot start the engine.</p> <p>▲ Immediately depress the brake pedal firmly until the display message disappears. You can restart the engine.</p> |
|  <p>Check brake fluid level</p> | <p>* There is insufficient brake fluid in the brake fluid reservoir.</p> <p>▲ WARNING Risk of an accident due to low brake fluid level</p> <p>If the brake fluid level is too low, the braking effect and the braking characteristics may be impaired.</p> <p>▲ Stop the vehicle as soon as possible, paying attention to road and traffic conditions. Do not continue driving.</p> <p>▲ Consult a qualified specialist workshop.</p> <p>▲ Do not top up the brake fluid.</p> |

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| <p>Display messages</p>  <p>Check brake pads See Owner's Manual</p> | <p>Possible causes/consequences and Solutions</p> <p>* The brakepads have reached the wear limit.</p> <ul style="list-style-type: none"> ▶ Consult a qualified specialist workshop. |
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Driving systems


| | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Display messages</p>  <p>ATTENTION ASSIST inoperative</p> | <p>Possible causes/consequences and Solutions</p> <p>* ATTENTION ASSIST is malfunctioning.</p> <ul style="list-style-type: none"> ▶ Consult a qualified specialist workshop. |
| <p>ATTENTION ASSIST: Take a break!</p>  | <p>* ATTENTION ASSIST has detected fatigue or an increasing lack of concentration on the part of the driver (→ page 252).</p> <ul style="list-style-type: none"> ▶ If necessary, take a break. |


602 Display messages and warning/indicator lamps

| Display messages | Possible causes/consequences and Solutions |
|--------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>ATTENTION ASSIST Microsleep Take a break!</p> | <p>* ATTENTION ASSIST has detected indicators of microsleep (→ page 252). ▲ It is recommended that you take a break immediately. ▲ Press the left-hand Touch Control and acknowledge the display message.</p> |
| <p>Driver camera view currently restricted See Owner's Manual</p> | <p>* The view of the driver camera is reduced. Possible causes:</p> <ul style="list-style-type: none"> • Objects or stickers project into the driver camera's field of vision • The driver camera is dirty <p>▲ Keep the driver camera's field of vision free. ▲ Clean the driver camera if necessary.</p> |
| <p>Change steering wheel/seat position until 6 dots are visible on the upper edge of the screen</p> | <p>* The driver camera cannot capture your line of sight. ▲ Change the steering wheel and seat position until six dots are visible on the top edge of the screen.</p> |
| <p>Driver camera inoperative See Owner's Manual</p> | <p>* The driver camera is malfunctioning. ▲ Consult a qualified specialist workshop.</p> |



| Display messages | Possible causes/consequences and Solutions |
|---------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Active Emergency Stop Assist currently unavailable See Owner's Manual</p> | <p>* Active Emergency Stop Assist is temporarily unavailable. ▲ Consult a qualified specialist workshop.</p> |
| <p>Active Emergency Stop Assist inoperative</p> | <p>* Active Emergency Stop Assist is malfunctioning. ▲ Consult a qualified specialist workshop.</p> |
| <p>Beginning emergency stop</p> | <p>* Your hands are not on the steering wheel. An emergency stop is initiated (→ page 229). ▲ Put your hands back on the steering wheel. You can cancel the deceleration at any time by performing one of the following actions:</p> <ul style="list-style-type: none"> • Steering • Braking or accelerating • Pressing a steering-wheel button • Operating Touch Control • Deactivating Active Distance Assist DISTRONIC |
| <p>Limited availability of Active Parking Assist manoeuvring assistant See Owner's Manual</p> | <p>* Active Parking Assist's collision avoidance is temporarily unavailable or only partially available. ▲ Clean all sensors of the parking and camera system (→ page 464). ▲ If the display message still appears, consult a qualified specialist workshop.</p> |



604 Display messages and warning/indicator lamps

| Display messages | Possible causes/consequences and Solutions |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>PARKTRONIC and manoeuvring assistant not available at rear when towing a trailer</p> | <p>* When you establish the electrical connection to the trailer, the rear Parking Assist PARKTRONIC is unavailable.</p> <ul style="list-style-type: none"> ▶ Press the left-hand Touch Control and acknowledge the display message. |
| <p>PARKTRONIC inoperative See Owner's Manual</p> | <p>* Parking Assist PARKTRONIC is malfunctioning.</p> <ul style="list-style-type: none"> ▶ Continue driving while paying attention to the vehicle's surroundings. Once the cause of the problem is no longer present, the system will be available again. <p>or</p> <ul style="list-style-type: none"> ▶ Stop the vehicle in accordance with the traffic conditions and restart the engine. ▶ If the display message still appears, consult a qualified specialist workshop. |
| <div style="border: 1px solid black; padding: 5px; display: inline-block;">  </div> <p>Fault Drive at max. 80 km/h</p> | <p>* AIRMATIC is functioning only to a limited extent. The vehicle's handling characteristics may be affected.</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>! NOTE The tyres on the front axle or the fenders could be damaged by large steering movements</p> <ul style="list-style-type: none"> ▶ Avoid large steering movements while driving and listen for scraping sounds. ▶ If you hear scraping sounds, pull over and stop the vehicle in accordance with the traffic conditions, and set a higher vehicle level if possible. </div> <ul style="list-style-type: none"> ▶ Drive in a manner appropriate for the current level, but do not exceed 80 km/h. ▶ Consult a qualified specialist workshop. |


| Display messages | Possible causes/consequences and Solutions |
|-------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>E-ACTIVE BODY CONTROL Function limited. See Owner's Manual</p> | <p>* At least one main function of the E-ACTIVE BODY CONTROL system is malfunctioning. The system is outside the operating temperature range or the on-board electrical system voltage is too low.</p> <p>! NOTE The vehicle's suspension and damping behaviour is restricted. The vehicle body may tilt heavily to the side during cornering.</p> <ul style="list-style-type: none"> ▲ Drive on carefully. ▲ Reduce speed considerably before taking a bend. ▲ Avoid sudden steering movements. <p>▲ Drive on carefully.</p> <ul style="list-style-type: none"> ▲ Reduce speed considerably before taking a bend. ▲ Avoid sudden steering movements. <p>Once the cause of the problem is no longer present, the system will be available again.</p> <p>* At least one main function of the E-ACTIVE BODY CONTROL system is malfunctioning. The system is deactivated.</p> |
| <p> Fault Drive at max. 80 km/h</p> | <p>! NOTE The vehicle's suspension and damping behaviour has changed significantly, the vehicle body may tilt heavily to the side during cornering.</p> <ul style="list-style-type: none"> ▲ Reduce vehicle speed. Drive on carefully. |

606 Display messages and warning/indicator lamps

| Display messages | Possible causes/consequences and ► Solutions |
|------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>Fault Stop</p> | <ul style="list-style-type: none"> ▲ Reduce the vehicle speed considerably before taking a curve. ▲ Avoid sudden steering movements. ▲ Continue driving carefully and do not exceed 80 km/h. ▲ If possible, stop the vehicle in accordance with the traffic conditions and switch the ignition off and on again. ▲ If the display message still appears, consult a qualified specialist workshop. <p>* There is a serious malfunction affecting the hydraulics of the E-ACTIVE BODY CONTROL system. The system is deactivated.</p> |
|  <p>STOP Vehicle level too low</p> | <ul style="list-style-type: none"> ■ NOTE The vehicle's driving characteristics have changed significantly. ▲ Stop the vehicle immediately in accordance with the traffic conditions. Do not continue driving. ▲ Stop the vehicle immediately in accordance with the traffic conditions. Do not continue driving. ▲ Consult a qualified specialist workshop. <p>* You have pulled away despite the vehicle level being too low.</p> <ul style="list-style-type: none"> ▲ Stop the vehicle in accordance with the traffic conditions. The vehicle will be raised to the selected vehicle level. ▲ Wait until the display message disappears before pulling away. <p>If the display message does not disappear and a warning tone also sounds, AIRMATIC is malfunctioning:</p> |

| Display messages | Possible causes/consequences and Solutions |
|-----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | <p>▲ Do not drive at speeds greater than 80 km/h and consult a qualified specialist workshop immediately.</p> <p>! NOTE The tyres on the front axle or the fenders could be damaged by large steering movements</p> <p>▲ Avoid large steering movements while driving and listen for scraping sounds.</p> <p>▲ If you hear scraping sounds, pull over and stop the vehicle in accordance with the traffic conditions, and set a higher vehicle level if possible.</p> <p>▲ Set a higher vehicle level (→ page 233). Depending on the malfunction, the vehicle will be raised.</p> |
|  <p>Vehicle rising Please wait</p> | <p>* The vehicle level is too low. The vehicle will be raised to the selected vehicle level.</p> <p>▲ Wait until the display message disappears before pulling away.</p> |
|  <p>Compressor is cooling</p> | <p>* Due to frequent level changes within a short space of time, the compressor first needs to cool down in order to set the selected vehicle level.</p> <p>▲ Drive on in a manner appropriate for the current level. Make sure that there is sufficient ground clearance.</p> <p>▲ When the compressor has cooled down, the vehicle will continue rising to the selected vehicle level.</p> |

608 Display messages and warning/indicator lamps

| Display messages | Possible causes/consequences and ► Solutions |
|--------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Active Steering Assist currently unavailable See Owner's Manual</p> | <p>* Active Steering Assist is temporarily unavailable. The ambient conditions are outside the system limits (→ page 224).</p> <ul style="list-style-type: none"> ▲ Drive on. ▲ As soon as the ambient conditions are within the system limits, the system will become available again. ▲ If necessary, clean the windscreen in the camera's field of vision. ▲ Check the tyre pressure if necessary. |
| <p>Active Steering Assist inoperative</p> | <p>* Active Steering Assist is malfunctioning. Active Distance Assist DISTRONIC remains available.</p> <ul style="list-style-type: none"> ▲ Consult a qualified specialist workshop. |
| <p></p> | <p>* Active Steering Assist has reached the system limits(→ page 224). You have not steered independently for a considerable period of time.</p> <ul style="list-style-type: none"> ▲ Take over the steering and drive on in accordance with the traffic conditions. |
| <p>Active Steering Assist currently unavailable due to multiple emergency stops</p> | <p>* Active Steering Assist is temporarily unavailable due to multiple emergency stops.</p> <ul style="list-style-type: none"> ▲ Take over the steering and stop in accordance with the traffic conditions. ▲ Switch the ignition off and switch it back on. ▲ Active Steering Assist is available once more. |
| <p>Active Lane Keeping Assist currently unavailable See Owner's Manual</p> | <p>* Active Lane Keeping Assist is temporarily unavailable. The ambient conditions are outside the system limits (→ page 262).</p> |

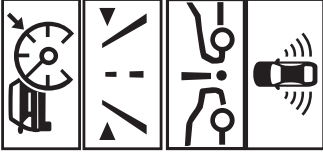
| Display messages | Possible causes/consequences and ► Solutions |
|--------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | <ul style="list-style-type: none"> ► Drive on. As soon as the ambient conditions are within the system limits, the system will become available again. |
| Active Lane Keeping Assist inoperative | <ul style="list-style-type: none"> * Active Lane Keeping Assist is malfunctioning. ► Consult a qualified specialist workshop. |
| Active Stop-and-Go Assist currently unavailable see Owner's Manual | <ul style="list-style-type: none"> * Active Stop-and-Go Assist is temporarily unavailable. Active Distance Assist DISTRONIC and Active Steering Assist are still available. The ambient conditions are outside the system limits (→ page 230). ► Drive on. As soon as the ambient conditions are within the system limits, the system will become available again. |
| Active Stop-and-Go Assist inoperative See Owner's Manual | <ul style="list-style-type: none"> * Active Stop-and-Go Assist is malfunctioning. Active Stop-and-Go Assist is deactivated. Active Distance Assist DISTRONIC and Active Steering Assist are still available. ► Consult a qualified specialist workshop. |
| Blind Spot Assist currently unavailable See Owner's Manual | <ul style="list-style-type: none"> * Blind Spot Assist is temporarily unavailable. The system limits have been reached (→ page 259). ► Drive on. Once the cause of the problem is no longer present, the system will be available again. <p style="text-align: center;">or</p> |

610 Display messages and warning/indicator lamps

| Display messages | Possible causes/consequences and ► Solutions |
|-----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Blind Spot Assist inoperative | <ul style="list-style-type: none"> ► If the display message does not disappear, stop the vehicle in accordance with the traffic conditions and restart the engine. <p>* Blind Spot Assist is malfunctioning.</p> <ul style="list-style-type: none"> ► Consult a qualified specialist workshop. |
| Blind Spot Assist not available when towing a trailer See Owner's Manual | <ul style="list-style-type: none"> * When you establish the electrical connection to the trailer, Blind Spot Assist is unavailable. ► Press the left-hand Touch Control and acknowledge the display message. |
| Active Blind Spot Assist currently unavailable See Owner's Manual | <ul style="list-style-type: none"> * Active Blind Spot Assist is temporarily unavailable. <p>The system limits have been reached (→ page 259).</p> <ul style="list-style-type: none"> ► Drive on. <p>Once the cause of the problem is no longer present, the system will be available again.</p> <p>or</p> <ul style="list-style-type: none"> ► If the display message does not disappear, stop the vehicle in accordance with the traffic conditions and restart the engine. |
| Active Blind Spot Assist inoperative | <ul style="list-style-type: none"> * Active Blind Spot Assist is malfunctioning. ► Consult a qualified specialist workshop. |

| Display messages | Possible causes/consequences and Solutions |
|----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Active Blind Spot Assist not available when towing a trailer See Owner's Manual</p> | <p>* When you establish the electrical connection to the trailer, Active Blind Spot Assist is unavailable.</p> <ul style="list-style-type: none"> ▶ Press the left-hand Touch Control and acknowledge the display message. |
| <p>Active Parking Assist and PARKTRONIC inoperative See Owner's Manual</p> | <p>* Active Parking Assist and Parking Assist PARKTRONIC are malfunctioning.</p> <ul style="list-style-type: none"> ▶ Stop the vehicle in accordance with the traffic conditions and restart the engine. ▶ If the display message still appears, consult a qualified specialist workshop. |
| <p>Traffic Sign Assist currently unavailable See Owner's Manual</p> | <p>* Traffic Sign Assist is temporarily unavailable.</p> <ul style="list-style-type: none"> ▶ Drive on. ▶ Once the cause of the problem is no longer present, the system will be available again. |
| <p>Traffic Sign Assist inoperative</p> | <p>* Traffic Sign Assist is malfunctioning.</p> <ul style="list-style-type: none"> ▶ Stop the vehicle in accordance with the traffic conditions and restart the engine. ▶ If the display message still appears, consult a qualified specialist workshop. |




612 Display messages and warning/indicator lamps



| Display messages | Possible causes/consequences and ► Solutions |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p>* The radar sensor system is malfunctioning. Possible causes:</p> <ul style="list-style-type: none">• dirt on the sensors• heavy rain or snow• extended country driving without other traffic, e.g. in the desert <p>Driving systems and driving safety systems may be malfunctioning or temporarily unavailable.</p> <p>Once the cause of the problem is no longer present, the driving systems and driving safety systems will be available again.</p> <p>If the display message does not disappear:</p> <ul style="list-style-type: none">▲ Stop the vehicle in accordance with the traffic conditions.▲ Clean all sensors (→ page 464).▲ Restart the engine. |

Currently unavailable
Radar dirty

| Display messages | Possible causes/consequences and ► Solutions |
|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>currently unavailable Camera dirty</p> | <p>Possible causes/consequences and ► Solutions</p> <p>* The camera view is restricted. Possible causes:</p> <ul style="list-style-type: none"> • Dirt on the windshield in the camera's field of vision • Heavy rain, snow or fog • Mist on the windshield in front of the camera <p>ⓘ Mist detected on the windshield will be automatically removed using a built-in heater within approximately 12 minutes.</p> <p>Driving systems and driving safety systems may be malfunctioning or temporarily unavailable. Once the cause of the problem is no longer present, the driving systems and driving safety systems will be available again.</p> <p>If the display message does not disappear:</p> <ul style="list-style-type: none"> ► Stop the vehicle in accordance with the traffic conditions. ► Clean the windshield if necessary. |
| | <p>* The HOLD function is deactivated because the vehicle is slipping or a condition for activation is not fulfilled.</p> <ul style="list-style-type: none"> ► Reactivate the HOLD function later or check the activation conditions for the HOLD function (→ page 231). |

614 Display messages and warning/indicator lamps

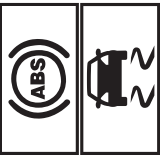
| Display messages | Possible causes/consequences and ► Solutions |
|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  --- km/h | <p>* Active Distance Assist DISTRONIC cannot be activated as not all activation conditions are fulfilled.</p> <p>► Comply with the activation conditions of Active Distance Assist DISTRONIC (→ page 220).</p> |
|  suspended | <p>* If you depress the accelerator pedal beyond the Active Distance Assist DISTRONIC setting, the system will switch to passive mode (→ page 218).</p> |
|  Off | <p>* Active Distance Assist DISTRONIC was deactivated. If a warning tone also sounds, Active Distance Assist DISTRONIC has deactivated automatically (→ page 220).</p> |
| Active Distance Assist currently unavailable See Owner's Manual | <p>* Active Distance Assist DISTRONIC is temporarily unavailable. The ambient conditions are outside the system limits (→ page 218).</p> <p>► Drive on. As soon as the ambient conditions are within the system limits, the system will become available again.</p> |
| Active Distance Assist inoperative | <p>* Active Distance Assist DISTRONIC is malfunctioning. Other driving systems and driving safety systems may also be malfunctioning.</p> |

| Display messages | Possible causes/consequences and ► Solutions |
|----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Active Distance Assist available again</p> | <ul style="list-style-type: none"> ► Consult a qualified specialist workshop. * Active Distance Assist DISTRONIC is operational again and can be activated (→ page 220). |
| <p> --- km/h</p> | <ul style="list-style-type: none"> * Cruise control cannot be activated as not all activation conditions are fulfilled. ► Observe the activation conditions for cruise control (→ page 216). |
| <p>Cruise control inoperative</p> | <ul style="list-style-type: none"> * Cruise control is malfunctioning. ► Consult a qualified specialist workshop. |
| <p>Cruise control and Limiter inoperative</p> | <ul style="list-style-type: none"> * Cruise control and the limiter are malfunctioning. ► Consult a qualified specialist workshop. |
| <p>Cruise control off</p> | <ul style="list-style-type: none"> * Cruise control has been deactivated. If there is an additional warning tone, cruise control has been deactivated automatically (→ page 214). |
| <p> passive</p> | <ul style="list-style-type: none"> * If you depress the accelerator pedal beyond the point of resistance (kickdown), the limiter will be switched to passive mode (→ page 216). |



616 Display messages and warning/indicator lamps


| Display messages | Possible causes/consequences and ► Solutions |
|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div style="border: 1px solid black; padding: 5px; display: inline-block; margin-bottom: 5px;">LIM</div> --- km/h | * The limiter cannot be activated as not all activation conditions have been fulfilled. ► Observe the activation conditions of the limiter (→ page 216). |
| Limiter inoperative | * The limiter is malfunctioning. ► Consult a qualified specialist workshop. |
| Speed limit (winter tyres) XXX km/h | * You have reached the maximum permissible stored speed for winter tyres. It is not possible to exceed this speed. |
| <div style="border: 1px solid black; padding: 5px; display: inline-block; margin-bottom: 5px;">120 km/h!</div> Maximum speed exceeded | * You have exceeded the maximum permissible speed (for certain countries only). ► Drive more slowly. |

Driving safety systems


| Display messages | Possible causes/consequences and ► Solutions |
|-------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>currently unavailable See Owner's Manual</p> | <p>* ABS and ESP® are temporarily unavailable. Other driving systems and driving safety systems (e.g. BAS) may also be temporarily unavailable. The brake system will continue to operate normally. Braking distance may increase in an emergency braking situation.</p> <p>▲ WARNING Risk of skidding if ABS and ESP® are malfunctioning</p> <p>The wheels may block during braking and ESP® does not perform any vehicle stabilization. The steerability and braking characteristics are heavily impaired and the braking distance may increase. In addition, other driving safety systems are switched off.</p> <ul style="list-style-type: none"> ▲ Drive on carefully. ▲ Have ABS and ESP® checked immediately at a qualified specialist workshop. <p>▲ Drive carefully on a suitable stretch of road, making slight steering movements at a speed above 30 km/h. ▲ If the display message does not disappear, consult a qualified specialist workshop immediately. Drive carefully.</p> |


618 Display messages and warning/indicator lamps

| Display messages | Possible causes/consequences and ► Solutions |
|-------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>inoperative See Owner's Manual</p> | <p>* ABS and ESP® are malfunctioning. Other driving systems and driving safety systems (e.g. BAS) may also be malfunctioning. The brake system will continue to operate normally. Braking distance may increase in an emergency braking situation.</p> <p>▲ WARNING Risk of skidding if ABS and ESP® are malfunctioning</p> <p>The wheels may block during braking and ESP® does not perform any vehicle stabilization. The steerability and braking characteristics are heavily impaired and the braking distance may increase. In addition, other driving safety systems are switched off.</p> <ul style="list-style-type: none"> ▲ Drive on carefully. ▲ Have ABS and ESP® checked immediately at a qualified specialist workshop. |
|  <p>currently unavailable See Owner's Manual</p> | <p>* ESP® is temporarily unavailable. Other driving systems and driving safety systems (e.g. BAS) may also be malfunctioning.</p> <p>▲ WARNING Risk of skidding if ESP® is malfunctioning If ESP® is malfunctioning, ESP® cannot carry out vehicle stabilisation. In addition, other driving safety systems are switched off.</p> <ul style="list-style-type: none"> ▲ Drive on carefully. |

| Display messages | Possible causes/consequences and ► Solutions |
|---------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>inoperative See Owner's Manual</p> | <ul style="list-style-type: none"> ► Have ESP® checked at a qualified specialist workshop. ► Drive carefully on a suitable stretch of road, making slight steering movements at a speed above 30 km/h. ► If the display message does not disappear, consult a qualified specialist workshop immediately. Drive carefully. <p>* ESP® is malfunctioning. Other driving systems and driving safety systems (e.g. the BAS) may also be malfunctioning. The brake system will continue to operate normally. Braking distance may increase in an emergency braking situation.</p> <p>▲ WARNING Risk of skidding if ESP® is malfunctioning if ESP® is malfunctioning, ESP® cannot carry out vehicle stabilisation. In addition, other driving safety systems are switched off.</p> <ul style="list-style-type: none"> ► Drive on carefully. ► Have ESP® checked at a qualified specialist workshop. |



620 Display messages and warning/indicator lamps




| Display messages | Possible causes/consequences and ► Solutions |
|---------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>inoperative See Owner's Manual</p> | <p>* EBD, ABS and ESP® are malfunctioning. Other driving systems and driving safety systems (e.g. BAS) may also be malfunctioning.</p> <p>▲ WARNING Risk of skidding if EBD, ABS and ESP® are malfunctioning</p> <p>The wheels may block during braking and ESP® does not perform any vehicle stabilization. The steerability and braking characteristics are heavily impaired and the braking distance may increase. In addition, other driving safety systems are switched off.</p> <ul style="list-style-type: none"> ▲ Drive on carefully. ▲ Have the brake system checked immediately at a qualified specialist workshop. |
| <p>Active Brake Assist Functions currently limited See Owner's Manual</p> | <p>* Vehicles with the Driving Assistance Package: Active Brake Assist with cross-traffic function, Evasive Steering Assist or PRE-SAFE® PLUS are temporarily unavailable or only partially available. Vehicles without the Driving Assistance Package: Active Brake Assist is temporarily unavailable or only partially available.</p> <p>The ambient conditions are outside the system limits (→ page 207).</p> <ul style="list-style-type: none"> ▲ Drive on. ▲ As soon as the ambient conditions are within the system limits, the system will become available again. |

| | |
|---------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Display messages</p> <p>Active Brake Assist Functions limited See Owner's Manual</p> | <p>Possible causes/consequences and ► Solutions</p> <p>* Vehicles with Driving Assistance Package: Active Brake Assist with cross-traffic function, Evasive Steering Assist or PRE-SAFE® PLUS is malfunctioning.</p> <p>Vehicles without Driving Assistance Package: Active Brake Assist is malfunctioning.</p> <p>► Consult a qualified specialist workshop.</p> |
| <p>Mercedes me connect</p> | |
| <p>Display messages</p> <p>Device detected at diagnostics connection See Owner's Manual</p> | <p>Possible causes/consequences and ► Solutions</p> <p>* The vehicle functions for fault detection are restricted.</p> <p>At least one of the main functions of the Mercedes me connect system is malfunctioning.</p> <p>► Observe the notes on the diagnostics connection (→ page 29).</p> <p>► Consult a qualified specialist workshop.</p> |
| <p> Inoperative</p> | <p>* At least one of the main functions of the Mercedes me connect system or of the SOS emergency call system is malfunctioning.</p> <p>► Consult a qualified specialist workshop.</p> |



622 Display messages and warning/indicator lamps

Battery

| Display messages | Possible causes/consequences and Solutions |
|-------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>12 V on-board electrical system Visit workshop</p> | <p>* The 12 V on-board electrical system is malfunctioning.</p> <ul style="list-style-type: none"> ▶ Consult a qualified specialist workshop immediately. |
|  <p>Stop vehicle See Owner's Manual</p> | <p>* The battery is no longer being charged and the charge level is too low.</p> <ul style="list-style-type: none"> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> <p>! NOTE Possible engine damage if you continue driving</p> <ul style="list-style-type: none"> ▶ Do not continue driving under any circumstances. ▶ Consult a qualified specialist workshop. </div> ▶ Stop the vehicle immediately in accordance with the traffic conditions. Do not continue driving. ▶ Switch off the engine. ▶ Consult a qualified specialist workshop. |

| Display messages | Possible causes/consequences and ► Solutions |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>Switch on the engine to charge the 12 V battery</p> | <p>* The engine is off and the charge level of the 12 V battery is too low.</p> <ul style="list-style-type: none"> ► Switch off electrical consumers that are not required. <p>To charge the 12 V battery:</p> <ul style="list-style-type: none"> ► Leave the engine running for a few minutes, or drive an extended distance. |
|  <p>Stop the vehicle Leave the engine running to charge the 12 V battery</p> | <p>* The battery charge level is too low.</p> <ul style="list-style-type: none"> ► Stop the vehicle immediately in accordance with the traffic conditions. Do not continue driving. ► Leave the engine running. ► Wait until the display message disappears before pulling away. <p>If the display message does not disappear: consult a qualified specialist workshop.</p> |
|  <p>Stop vehicle See Owner's Manual</p> | <p>* The 48 V on-board electrical system is malfunctioning.</p> <ul style="list-style-type: none"> ► Stop the vehicle immediately in accordance with the traffic conditions. Do not continue driving. ► Switch off the engine. ► Consult a qualified specialist workshop. |

624 Display messages and warning/indicator lamps




| Display messages | Possible causes/consequences and ► Solutions |
|------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>48 V battery See Owner's Manual</p> | <p>* The 48 V on-board electrical system has function restrictions. Convenience functions may be restricted.</p> <ul style="list-style-type: none"> ► Consult a qualified specialist workshop immediately. |
|  <p>Please wait 48 V battery charging</p> | <p>* The 48 V battery is discharged. You have switched on the ignition while the 12 V battery was being charged with a suitable charger or while another vehicle was providing starting assistance.</p> <p>The discharged 48 V battery is charged automatically via the voltage converter. After a few minutes, the driver's display will show the display message Motor can be started again.</p> <ul style="list-style-type: none"> ► Start the engine. ► Drive the vehicle for a while to charge the 12 V battery and the 48 V battery after disconnecting the charger from the vehicle. <p>If the Motor can be started again display message does not appear after a few minutes:</p> <ul style="list-style-type: none"> ► Try to start the engine again. ► If the engine does not start, consult a qualified specialist workshop. |
| <p>Cannot start engine See Owner's Manual</p> | <p>* The charge level of the 48 V battery is too low. You can no longer start the engine.</p> <ul style="list-style-type: none"> ► Switch off electrical consumers that are not required. |



| Display messages | Possible causes/consequences and Solutions |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | <ul style="list-style-type: none"> ▶ Connect a suitable charger approved for Mercedes-Benz with sufficient charge output to the jump-start connection point of the 12 V battery (→ page 479). ▶ The 48 V battery is charged via the voltage converter in the vehicle. |
| Motor can be started again | <ul style="list-style-type: none"> * The 48 V battery has been charged automatically via the voltage converter. ▶ Start the engine and drive the vehicle for a while to charge the 12 V battery and the 48 V battery. |

Tyre pressure monitor

| Display messages | Possible causes/consequences and Solutions |
|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tyre press. monitor currently unavailable | <ul style="list-style-type: none"> * There is interference from a powerful radio signal source. As a result, no signals from the tyre pressure sensors are being received. The tyre pressure monitor is temporarily unavailable. ▶ Drive on. ▶ The tyre pressure monitor will restart automatically as soon as the cause has been rectified. |
| Tyre press. monitor inoperative | <ul style="list-style-type: none"> * The tyre pressure monitor is malfunctioning. <p>▲ WARNING There is a risk of an accident if the tyre pressure monitoring system is malfunctioning</p> <p>The tyre pressure monitoring system cannot issue a warning if there is pressure loss in one or more of the tyres.</p> <p>Tyres with insufficient tyre pressure may impair the driving characteristics as well as steering and braking.</p> |

626 Display messages and warning/indicator lamps


| Display messages | Possible causes/consequences and ► Solutions |
|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Tyre press. monitor inoperative No wheel sensors</p>  | <p>► Have the tyre pressure monitoring system checked at a qualified specialist workshop.</p> <p>* The wheels fitted do not have suitable tyre pressure sensors. The tyre pressure monitor is deactivated.</p> <p>► Fit wheels with suitable tyre pressure sensors.</p> |
| <p>Wheel sensor(s) missing</p>  | <p>* There is no signal from the tyre pressure sensor of one or more wheels. No pressure value is displayed for the affected tyre.</p> <p>► Have the faulty tyre pressure sensor replaced at a qualified specialist workshop.</p> |
| <p>Check tyre(s)</p>  | <p>* The tyre pressure in one or more tyres has dropped significantly. The wheel position will be displayed.</p> <p>▲ WARNING Risk of an accident due to insufficient tyre pressure</p> <ul style="list-style-type: none"> • The tyres can burst. • The tyres can wear excessively and/or unevenly. • The driving characteristics as well as the steering and braking may be greatly impaired. <p>You could then lose control of the vehicle.</p> <p>► Observe the recommended tyre pressures. ► Adjust the tyre pressure if necessary.</p> <p>► Stop the vehicle in accordance with the traffic conditions.</p> |




| Display messages | Possible causes/consequences and Solutions |
|------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>Rectify tyre pressure</p> | <p>▶ Check the tyre pressure (→ page 491) and the tyres.</p> <p>* The tyre pressure is too low in at least one of the tyres, or the difference in tyre pressure between the individual wheels is too great.</p> <p>▶ Check the tyre pressure and add air, if necessary.</p> <p>▶ When the tyre pressure is correct, restart the tyre pressure monitoring system (→ page 494).</p> |
|  <p>Warning tyre defect</p> | <p>* The tyre pressure in one or more tyres has dropped suddenly. The wheel position will be displayed.</p> <p>▲ WARNING Risk of an accident from driving with a flat tyre</p> <ul style="list-style-type: none"> • The tyres can overheat and cause a fire. • The driving characteristics as well as the steering and braking may be greatly impaired. <p>You could then lose control of the vehicle.</p> <p>▲ Do not drive on with a flat tyre.</p> <p>▲ Observe the notes on flat tyres.</p> <p>Notes on flat tyres (→ page 469).</p> <p>▶ Stop the vehicle in accordance with the traffic conditions.</p> <p>▶ Check the tyres.</p> |
| <p>Tyre(s) overheated</p> | <p>* At least one tyre is overheating. The affected tyres are displayed in red. At temperatures close to the limit value, the tyres are displayed in yellow.</p> |

628 Display messages and warning/indicator lamps




| Display messages | Possible causes/consequences and ► Solutions |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reduce speed | <p>▲ WARNING Risk of an accident from driving with overheated tyres</p> <p>Overheated tyres can burst.</p> <p>► Reduce speed so that the tyres cool down.</p> |
| | <p>* At least one tyre is overheating. The affected tyres are displayed in red. At temperatures close to the limit value, the tyres are displayed in yellow.</p> <p>▲ WARNING Risk of an accident from driving with overheated tyres</p> <p>Overheated tyres can burst.</p> <p>► Reduce speed so that the tyres cool down.</p> |


Exhaust gas aftertreatment

| Display messages | Possible causes/consequences and ► Solutions |
|------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
|  <p>Refill AdBlue See Owner's Manual</p> | <p>* The AdBlue® level has fallen below the reserve range.</p> <p>► Top up AdBlue® immediately (→ page 193).</p> |

| Display messages | Possible causes/consequences and Solutions |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>Top up AdBlue Emergency op. in XXX km See Owner's Manual</p> | <p>* The low AdBlue® level will lead to limited performance after the remaining distance displayed has been driven.</p> <ul style="list-style-type: none"> ▶ Top up AdBlue® immediately (→ page 193). |
|  <p>XX,X Top up AdBlue Emerg. op.: max. XXX km/h Start not poss. in XXX km</p> | <p>* The low AdBlue® level will lead to limited performance starting from the speed displayed. After the remaining distance displayed has been covered, it will no longer be possible to start the engine.</p> <ul style="list-style-type: none"> ▶ Add at least the amount of AdBlue® displayed (→ page 193). |
|  <p>XX,X Top up AdBlue Switch on ignition, wait 60 sec. or eng. start not poss.</p> | <p>* The AdBlue® tank is empty. You can no longer start the engine.</p> <ul style="list-style-type: none"> ▶ Add at least the amount of AdBlue® displayed (→ page 193). ▶ Switch on the ignition and wait for approximately 60 seconds. ▶ Start the engine. |

630 Display messages and warning/indicator lamps



| Display messages | Possible causes/consequences and ► Solutions |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>AdBlue system fault. See Owner's Manual</p> | <p>* The AdBlue® system is malfunctioning.</p> <ul style="list-style-type: none"> ► Consult a qualified specialist workshop immediately. |
|  <p>AdBlue system malfunction Emergency op. in XXX km See Owner's Manual</p> | <p>* The AdBlue® system is malfunctioning. Performance will be reduced once the remaining distance displayed has been covered.</p> <ul style="list-style-type: none"> ► Consult a qualified specialist workshop immediately. |
|  <p>AdBlue system malfunction Emerg. op.: max. XXX km/h Start not poss. in XXX km</p> | <p>* Power restriction due to the AdBlue® system fault. After the distance displayed has been covered, it will no longer be possible to start the engine.</p> <ul style="list-style-type: none"> ► Consult a qualified specialist workshop immediately. |



| Display messages | Possible causes/consequences and Solutions |
|------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>AdBlue system fault Engine start not possible</p> | <p>* The AdBlue® system is malfunctioning. You can no longer start the engine.</p> <ul style="list-style-type: none"> ▶ Consult a qualified specialist workshop immediately. |

Engine oil

| Display messages | Possible causes/consequences and Solutions |
|----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>Add 1 litre engine oil when next refuelling</p> | <p>* Display message only for certain engines: The engine oil level has dropped to the minimum level.</p> <ul style="list-style-type: none"> ! NOTE Engine damage caused by driving with insufficient engine oil ▶ Avoid long journeys with insufficient engine oil. ▶ When next refuelling, add 1 litre of engine oil (→ page 458). <p>Notes on engine oil (→ page 568).</p> |

632 Display messages and warning/indicator lamps

| Display messages | Possible causes/consequences and ► Solutions |
|--------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>Engine oil level Reduce oil level</p> | <p>* Display message only for certain engines: The engine oil level is too high.</p> <p>► NOTE Engine damage caused by driving with excess engine oil</p> <p>► Avoid long journeys with excess engine oil.</p> <p>► Consult a qualified specialist workshop immediately and have the engine oil level reduced.</p> |
|  <p>Engine oil level Stop vehicle Switch engine off</p> | <p>* Display message only for certain engines: The engine oil level is too low.</p> <p>► NOTE Engine damage caused by driving with insufficient engine oil</p> <p>► Avoid long journeys with insufficient engine oil.</p> <p>► Stop the vehicle immediately in accordance with the traffic conditions. Do not continue driving. Switch off the engine. Add 1 l of engine oil (→ page 458). Check the engine oil level.</p> <p>Notes on engine oil (→ page 568).</p> |

| Display messages | Possible causes/consequences and Solutions |
|-------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>Engine oil pressure Stop Switch off engine</p> | <p>* Display message only for certain engines: The oil pressure is too low.</p> <p>! NOTE Engine damage caused by driving with insufficient oil pressure</p> <ul style="list-style-type: none"> ▶ Avoid driving with insufficient oil pressure. ▶ Stop the vehicle immediately in accordance with the traffic conditions. Do not continue driving. ▶ Consult a qualified specialist workshop. |
|  <p>Engine oil level cannot be measured</p> | <p>* The electrical connection to the oil level sensor has been interrupted or the oil level sensor is faulty.</p> <ul style="list-style-type: none"> ▶ Consult a qualified specialist workshop. |

Warning and indicator lamps
Overview of indicator and warning lamps

Some systems will perform a self-test when the ignition is switched on. Some indicator and warning lamps may briefly light up or flash. This behaviour is non-critical. These indicator and








warning lamps indicate a malfunction only if they light up or flash after the engine has been started or during a journey.

634 Display messages and warning/indicator lamps

Driver's display







Indicator and warning lamps:



-  Restraint system (→ page 635)
-  Seat belt (→ page 635)
-  Trailer hitch (→ page 636)
-  Electric power steering (yellow) (→ page 636)
-  Electric power steering (red) (→ page 636)
-  Rear axle steering (yellow) (→ page 636)
-  Rear axle steering (red) (→ page 636)




- Coolant temperature (→ page 639)
- Engine diagnostics (→ page 639)
- Preglow
- Electrical fault (→ page 639)
- Reserve fuel with fuel filler flap location indicator (→ page 639)
- Electric parking brake (red) (→ page 642)
- Electric parking brake (yellow) (→ page 642)
- Brakes (yellow) (→ page 642)
- Brakes (red) (→ page 642)
- Distance warning (→ page 644)
- AIRMATIC / E-ACTIVE BODY CONTROL (→ page 644)
- ABS (→ page 645)
- ESP® (→ page 645)
- ESP® OFF (→ page 645)
- Tyre pressure monitor (→ page 648)
- Standing lights (→ page 142)

-  Low beam (→ page 142)
-  High beam (→ page 144)
-  Turn signal lights (→ page 144)
-  Rear fog light (→ page 142)


Occupant safety



| Warning/indicator lamp | | Possible causes/consequences and Solutions |
|---------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
|  <p>Restraint system warning lamp</p> | <p>The red restraint system warning lamp is lit while the engine is running. *The restraint system is malfunctioning (→ page 36).</p> <p>▲ WARNING Risk of injury due to malfunctions in the restraint system Components in the restraint system may be activated unintentionally or not deploy as intended in an accident.</p> <ul style="list-style-type: none"> ▲ Have the restraint system checked and repaired immediately at a qualified specialist workshop. ▲ Drive on carefully. ▲ Note the messages on the driver's display. ▲ Consult a qualified specialist workshop immediately. | |
|  <p>Seat belt warning lamp flashes</p> | <p>The red seat belt warning lamp flashes and an intermittent warning tone sounds. * The driver or front passenger has not fastened their seat belt while the vehicle is in motion.</p> <ul style="list-style-type: none"> ▲ Fasten your seat belt(→ page 40). * There are objects on the front passenger seat. ▲ Remove the objects from the front passenger seat. | |

636 Display messages and warning/indicator lamps



| | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Warning/indicator lamp</p>  <p>Seat belt warning lamp lights up</p> | <p>Possible causes/consequences and ► Solutions</p> <p>The red seat belt warning lamp will light up once the engine has started. In addition, a warning tone may sound.</p> <p>* The seat belt warning lamp reminds the driver and front passenger to fasten their seat belts.</p> <p>► Fasten your seat belt (→ page 40).</p> <p>If you have placed objects on the front passenger seat, the seat belt warning lamp may remain lit.</p> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Vehicle

| | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Warning/indicator lamp</p>  <p>Trailer tow hitch warning lamp</p> | <p>Possible causes/consequences and ► Solutions</p> <p>The red trailer hitch warning lamp is lit.</p> <p>* The trailer hitch is not operational or is swivelling.</p> <p>▲ WARNING Risk of an accident if the ball neck is not locked</p> <p>The trailer may become detached.</p> <ul style="list-style-type: none"> ▲ Stop the vehicle immediately in accordance with the traffic conditions. Do not continue driving. ▲ Uncouple the trailer and secure it against rolling away. ▲ Initiate a new swivel movement and do not re-couple the trailer until the warning/indicator lamp goes out. <p>► Note the messages on the driver's display.</p> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

| Warning/indicator lamp | Possible causes/consequences and ► Solutions |
|-------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>Warning lamp for electric power steering</p> | <p>If the trailer hitch is swivelling:</p> <ul style="list-style-type: none"> ► Wait until the ball neck has reached the operational position. <p>The yellow electric power steering warning lamp is lit while the engine is running.</p> <p>* The power-assisted steering or the steering itself is malfunctioning.</p> <ul style="list-style-type: none"> ► Note the messages on the driver's display. |
|  <p>Warning lamp for electric power steering</p> | <p>The red electric power steering warning lamp is lit while the engine is running.</p> <p>* The power-assisted steering or the steering itself is malfunctioning.</p> <p>▲ WARNING Risk of accident if steering capability is impaired</p> <p>If the steering does not function as intended, the vehicle's operating safety is jeopardised.</p> <ul style="list-style-type: none"> ► Pull over and stop the vehicle safely as soon as possible, paying attention to road and traffic conditions. Do not continue driving under any circumstances. ► Consult a qualified specialist workshop. <ul style="list-style-type: none"> ► Note the messages on the driver's display. |

638 Display messages and warning/indicator lamps

| Warning/indicator lamp | Possible causes/consequences and Solutions |
|----------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>Rear axle steering warning lamp</p> | <p>The yellow rear axle steering warning lamp is lit while the engine is running.</p> <p>* The rear axle steering is malfunctioning.</p> <ul style="list-style-type: none"> ▶ Note the messages on the driver's display. |
|  <p>Rear axle steering warning lamp</p> | <p>The red rear axle steering warning lamp is lit while the engine is running.</p> <p>*The rear axle steering is malfunctioning.</p> <ul style="list-style-type: none"> ▶ WARNING Risk of accident if steering capability is impaired if the steering does not function as intended, the vehicle's operating safety is jeopardised. <ul style="list-style-type: none"> ▶ Pull over and stop the vehicle safely as soon as possible, paying attention to road and traffic conditions. Do not continue driving under any circumstances. ▶ Consult a qualified specialist workshop. <p>▶ Note the messages on the driver's display.</p> |

Engine

Warning/indicator lamp



Coolant warning lamp

Possible causes/consequences and Solutions

The red coolant warning lamp is lit while the engine is running.

*Possible causes:

- The temperature sensor is malfunctioning
- The coolant level is too low
- The air supply to the radiator is obstructed
- The radiator fan is faulty

If there is an additional warning tone, the coolant temperature has exceeded 120 °C.

▲ WARNING Danger of burns when opening the bonnet

If you open the engine bonnet when the engine has overheated or during a fire in the engine compartment, you could come into contact with hot gases or other escaping operating fluids.


- ▲ Before opening the bonnet, allow the engine to cool down.
- ▲ In the event of a fire in the engine compartment, keep the engine bonnet closed and call the fire service.

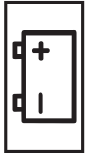

▲ Stop the vehicle immediately in accordance with the traffic conditions and switch off the engine. Do not continue driving.

▲ Note the messages on the driver's display.

If the coolant temperature display is at the lower end of the temperature scale:




640 Display messages and warning/indicator lamps


| Warning/indicator lamp | Possible causes/consequences and ► Solutions |
|--------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>Engine diagnosis warning lamp</p> | <p>► Consult a qualified specialist workshop.</p> <p>or</p> <p>► Exit the vehicle and keep a safe distance from it until the engine has cooled down.</p> <p>► Check the coolant level (→ page 459).</p> <p>► Make sure that the air supply to the radiator is not obstructed.</p> <p>► Avoiding high loads on the engine, drive to the nearest qualified specialist workshop. In doing so, ensure that the coolant temperature display remains below 120°C.</p> <p>The yellow engine diagnostics warning lamp is lit while the engine is running.</p> <p>*A malfunction has occurred in the engine, the exhaust system or the fuel system.</p> <p>The emissions limit value may have been exceeded and the engine may be running in emergency operation mode.</p> <p>► Have the vehicle checked as soon as possible at a qualified specialist workshop.</p> <p>*Vehicles with a diesel engine: the fuel tank may have been run dry.</p> <p>► Start the engine three to four times after refuelling.</p> <p>If the yellow engine diagnosis warning lamp goes out, emergency operation mode is cancelled. The vehicle need not be checked.</p> |

| Warning/indicator lamp | Possible causes/consequences and ► Solutions |
|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>Electrical fault warning lamp</p> | <p>The red electrical fault warning lamp is lit.</p> <ul style="list-style-type: none"> * There is a fault in the electrics. <ul style="list-style-type: none"> ► Note the messages on the driver's display. |
|  <p>Fuel reserve warning lamp lights up</p> | <p>The yellow fuel reserve warning lamp lights up while the engine is running.</p> <ul style="list-style-type: none"> * The fuel supply has dropped into the reserve range. <ul style="list-style-type: none"> ► Refuel. |

642 Display messages and warning/indicator lamps

Brakes

| Warning/indicator lamp | Possible causes/consequences and ► Solutions |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>Electric parking brake indicator lamp (red)</p>  <p>The electric parking brake (yellow) indicator lamp</p> | <p>The red electric parking brake indicator lamp flashes or is lit. The yellow electric parking brake indicator lamp also lights up in the event of a malfunction.</p> <p>* ▲ Note the messages on the driver's display.</p> |
|  <p>Brake system warning lamp (yellow)</p> | <p>The yellow brake system warning lamp is lit while the engine is running.</p> <p>* ▲ WARNING Risk of an accident due to a brake system malfunction</p> <p>If the brake system is malfunctioning, braking characteristics may be impaired.</p> <p>▲ Drive on carefully. ▲ Have the brake system checked immediately at a qualified specialist workshop.</p> <p>▲ Adjust your speed and drive on carefully, leaving a suitable distance to the vehicle in front. ▲ If the driver display shows a display message, observe it.</p> |

| Warning/indicator lamp | Possible causes/consequences and Solutions |
|----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>Brake system warning lamp (red)</p> | <p>▶ Consult a qualified specialist workshop.</p> <p>The red brake system warning lamp is lit while the engine is running.</p> <p>*Possible causes:</p> <ul style="list-style-type: none"> • The brake force boosting is malfunctioning and the braking characteristics may be affected. • There is insufficient brake fluid in the brake fluid reservoir. <p>▶ Note the messages on the driver's display.</p> <p>▲ WARNING Risk of accident and injury if brake force boosting is malfunctioning</p> <p>If brake force boosting is malfunctioning, increased brake pedal force may be necessary for braking. The braking characteristics may be impaired. The braking distance can increase in emergency braking situations.</p> <ul style="list-style-type: none"> ▶ Stop in a safe location immediately. Do not continue driving! ▶ Consult a qualified specialist workshop. <p>▲ WARNING Risk of an accident due to low brake fluid level</p> <p>If the brake fluid level is too low, the braking effect and the braking characteristics may be impaired.</p> <ul style="list-style-type: none"> ▶ Stop the vehicle as soon as possible, paying attention to road and traffic conditions. Do not continue driving. ▶ Consult a qualified specialist workshop. |

644 Display messages and warning/indicator lamps

| Warning/indicator lamp | Possible causes/consequences and Solutions |
|------------------------|--------------------------------------------|
| | <p>▶ Do not top up the brake fluid.</p> |

Driving systems



| Warning/indicator lamp | Possible causes/consequences and Solutions |
|---------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>Warning lamp for distance warning function</p> | <p>The red distance warning lamp lights up while the vehicle is in motion.</p> <p>* The distance to the vehicle in front is too small for the speed selected.</p> <p>If there is an additional warning tone, you are approaching an obstacle at too high a speed.</p> <ul style="list-style-type: none"> ▶ Be prepared to brake immediately. ▶ Increase the distance. <p>Function of Active Brake Assist (→ page 207).</p> |
|  <p>Suspension warning lamp</p> | <p>The yellow AIRMATIC/E-ACTIVE BODY CONTROL warning lamp is lit.</p> <p>* A fault has occurred in the AIRMATIC/E-ACTIVE BODY CONTROL.</p> <ul style="list-style-type: none"> ▶ Note the messages on the driver's display. |


| | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Warning/indicator lamp</p>  <p>Suspension warning lamp</p> | <p>Possible causes/consequences and Solutions</p> <p>The red E-ACTIVE BODY CONTROL warning lamp is on. *There is a fault in the E-ACTIVE BODY CONTROL.</p> <p>! NOTE The vehicle's driving characteristics have changed significantly.</p> <p>▲ Stop the vehicle immediately in accordance with the traffic conditions. Do not continue driving.</p> <p>▲ Note the messages on the driver's display. ▲ Stop the vehicle immediately in accordance with the traffic conditions. Do not continue driving. ▲ Consult a qualified specialist workshop.</p> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Driving safety systems

| | |
|---------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Warning/indicator lamp</p>  <p>ABS warning lamp</p> | <p>Possible causes/consequences and Solutions</p> <p>The yellow ABS warning lamp is lit while the engine is running. *ABS is malfunctioning. If there is an additional warning tone, EBD is malfunctioning. Other driving systems and driving safety systems may also be malfunctioning.</p> <p>▲ Note the messages on the driver's display.</p> |
|---------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



646 Display messages and warning/indicator lamps

| Warning/indicator lamp | Possible causes/consequences and ► Solutions |
|------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>ESP® warning lamp flashes</p> | <p>▲ WARNING There is a risk of skidding if EBD or ABS is malfunctioning</p> <p>The wheels may lock during braking.</p> <p>The steerability and braking characteristics are heavily impaired and the braking distance may increase. In addition, other driving safety systems are switched off.</p> <ul style="list-style-type: none"> ▲ Drive on carefully. ▲ Have the brake system checked immediately at a qualified specialist workshop. <p>The yellow ESP® warning lamp flashes while the vehicle is in motion.</p> <ul style="list-style-type: none"> * One or more wheels has reached its grip limit (→ page 204). ▲ Adapt your driving style to suit the road and weather conditions. |
|  <p>ESP® warning lamp lights up</p> | <p>The yellow ESP® warning lamp is lit while the engine is running.</p> <ul style="list-style-type: none"> *ESP® is malfunctioning. Other driving systems and driving safety systems (e.g. BAS) may also be malfunctioning. ▲ Note the messages on the driver's display. <p>▲ WARNING Risk of skidding if ESP® is malfunctioning</p> <p>If ESP® is malfunctioning, ESP® cannot carry out vehicle stabilisation. In addition, other driving safety systems are switched off.</p> |

| Warning/indicator lamp | Possible causes/consequences and ► Solutions |
|------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>ESP® OFF warning lamp</p> | <ul style="list-style-type: none"> ► Drive on carefully. ► Have ESP® checked at a qualified specialist workshop. <p>The yellow ESP® OFF warning lamp is lit while the engine is running. *ESP® is deactivated. Other driving systems and driving safety systems may also be inoperative.</p> <p>▲ WARNING Risk of skidding when driving with ESP® deactivated ESP® does not act to stabilise the vehicle. The availability of further driving safety systems is also limited.</p> <ul style="list-style-type: none"> ► Drive on carefully. ► Deactivate ESP® only for as long as the situation requires. <p>If ESP® cannot be activated, ESP® is malfunctioning.</p> <ul style="list-style-type: none"> ► Have ESP® checked immediately at a qualified specialist workshop. <p>► Observe the notes on deactivating ESP® (→ page 204).</p> |

648 Display messages and warning/indicator lamps

Tyre pressure monitor

| Warning/indicator lamp | Possible causes/consequences and ► Solutions |
|---------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>Tyre pressure monitoring system warning lamp flashes</p> | <p>The yellow tyre pressure monitor warning lamp (pressure loss/malfunction) flashes for approximately one minute and then remains lit.</p> <p>*The tyre pressure monitor is malfunctioning.</p> <p>▲ WARNING There is a risk of an accident if the tyre pressure monitoring system is malfunctioning</p> <p>▲ The tyre pressure monitoring system cannot issue a warning if there is pressure loss in one or more of the tyres.</p> <p>Tyres with insufficient tyre pressure may impair the driving characteristics as well as steering and braking.</p> <p>► Have the tyre pressure monitoring system checked at a qualified specialist workshop.</p> |
|  <p>Tyre pressure monitoring system warning lamp lights up</p> | <p>The yellow tyre pressure monitoring system warning lamp (pressure loss/malfunction) is lit.</p> <p>*The tyre pressure monitoring system has detected tyre pressure loss in at least one of the tyres.</p> <p>▲ WARNING Risk of an accident due to insufficient tyre pressure</p> <ul style="list-style-type: none">• The tyres can burst.• The tyres can wear excessively and/or unevenly.• The driving characteristics as well as the steering and braking may be greatly impaired. <p>You could then lose control of the vehicle.</p> <p>► Observe the recommended tyre pressures.</p> |

| Warning/indicator lamp | Possible causes/consequences and Solutions |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | <p>▲ Adjust the tyre pressure if necessary.</p> <p>▲▲ Stop the vehicle in accordance with the traffic conditions. ▲▲ Check the tyre pressure and the tyres.</p> |

- 1, 2, 3 ...
- 4MATIC** 189
Function 189
- 12 V battery**
see Battery (vehicle)
- 48 V on-board electrical system**
Operating safety 22
- 230 V socket**
see Socket (230 V)
- 360° Camera** 243
Care 464
Function 243
- A**
- A/C function**
Activating/deactivating (MBUX multimedia system) 161
- ABS (Anti-lock Braking System)** 204
- Acceleration**
see Kickdown
- Access data**
Setting (Bluetooth®) 415
- Setting (business telephony) 416
- Accident and breakdown management**
Mercedes me connect 404
- Acoustic locking verification signal**
Activating/deactivating 68
- Activating/deactivating loudness adjustment**
Burmester® 3D-surround sound system 437
- Active Blind Spot Assist** 259
Activating/deactivating 262
Brake application 260
Function 259
System limitations 260
Trailer operation 260
- Active bonnet (pedestrian protection)** ..
Operation 455
Resetting 455
- Active Brake Assist**
Function/notes 207
Setting 214
- Active Distance Assist DISTRONIC** 216
Active Emergency Stop Assist 229
Active Lane Change Assist 226
Calling up a speed 220
Function 218
Increasing/decreasing speed 220
Requirements: 220
Route-based speed adaptation 223
Selecting 220
Steering wheel buttons 220
Storing a speed 220
Switching off/deactivating 220
Switching on/activating 220
System limitations 218
- Active Emergency Stop Assist** 229
- Active headlamps** 145
- Active Lane Change Assist** 226
Activating/deactivating 229
Function 226
- Active Lane Keeping Assist** 262
Activating/deactivating 264
Activating/deactivating the warning ...
Function 264
Setting the sensitivity 264

| | | | | | |
|----------------------------------------|-----|----------------------------------------|-----|--------------------------------------------|-----|
| System limits | 262 | Adaptive cruise control | | Additives (engine oil) | |
| Trailer operation | 262 | see Active Distance Assist DISTRONIC | | see Additives | |
| Active Parking Assist | 246 | Adaptive Highbeam Assist Plus | | Additives (fuel) | |
| Cross Traffic Alert | 252 | Function | 147 | see Fuel | |
| Drive Away Assist | 251 | Switching on/off | 149 | Address book | |
| Exiting a parking space | 249 | Adaptive rear compartment light | | see Contacts | |
| Function | 246 | Configuring | 447 | Adjusting the balance/fader | |
| Parking | 248 | AdBlue® | 567 | Burmester® high-end 4D surround | 438 |
| System limitations | 246 | Additives | 567 | sound system | |
| Active Service System PLUS | | Capacity | 567 | Burmester® 3D-surround sound sys- | 437 |
| see ASSYST PLUS | | Fill level | 277 | tem | |
| Active Speed Limit Assist | 222 | Notes | 192 | Adjusting the bass, mid-range and | |
| Display | 222 | Purity | 567 | treble | |
| Function | 222 | Range | 277 | Burmester® high-end 4D surround | 438 |
| Active Steering Assist | 224 | Topping up | 193 | sound system | |
| Activating/deactivating | 226 | Additional door lock | 71 | Burmester® 3D-surround sound sys- | 437 |
| Active Emergency Stop Assist | 229 | Additives | 568 | tem | |
| Active Lane Change Assist | 226 | AdBlue® | 567 | Adjusting the mid-range, treble and | |
| Function | 224 | Engine oil | 568 | bass | |
| System limits | 224 | Fuel | 565 | Burmester® high-end 4D surround | 438 |
| Active Traffic Jam Assist | | Additives (AdBlue®) | | sound system | |
| Activating/deactivating | 231 | see AdBlue® | | Burmester® 3D-surround sound sys- | 437 |
| Function | 230 | Adaptive brake lights | 214 | | |

- Adjusting the sound focus**
 - Burmester® 3D-surround sound system 437
- Adjusting the sound optimisation**
 - Burmester® high-end 4D surround sound system 439
- Adjusting treble, mid-range and bass settings**
 - Burmester® high-end 4D surround sound system 438
 - Burmester® 3D-surround sound system 437
- ADS PLUS damping system**
 - see AIRMATIC
- Adverse weather light** 147
- After-sales service centre**
 - see ASSYST PLUS
- Air conditioning menu**
 - Calling up 161
- Air distribution**
 - Setting (MBUX multimedia system) 161
- Air fresher system**
 - see Fragrance system
- Air inlet**
 - see Air-water duct
- Air pressure**
 - see Tyre pressure
- Air suspension**
 - see AIRMATIC
- Air vents** 169
 - Adjusting (front) 169
 - Adjusting (rear) 170
 - Glove box 171
- Air vents**
 - see Air vents
- Air-recirculation mode** 162
- Air-water duct**
 - Keeping free 460
- Airbag** 42
 - Activation 36
 - Belt airbag 39
 - Centre airbag (driver, front passenger) 42
 - Front airbag (driver, front passenger) 42
 - Installation locations 42
 - Knee airbag 42
- Overview** 42
- PASSENGER AIR BAG indicator lamp** 47
- Protection** 43
- Reduced protection** 44
- Side airbag** 42
- Window airbag** 42
- AIRMATIC** 232
 - Setting 233
 - Suspension 232
- Alarm system**
 - see ATA (anti-theft alarm system)
- All-wheel drive**
 - see 4MATIC
- Alternative route**
 - see Route
- Ambient lighting**
 - Setting (multimedia system) 150
 - Setting (Rear Seat Entertainment System) 447
- Android Auto**
 - Connecting a mobile phone 397
 - Ending 398
 - Information 397
 - Overview 396

- Sound settings 398
- Transferred vehicle data 398
- Animals**
 - Pets in the vehicle 66
- Anti-lock braking system**
 - see ABS (Anti-lock Braking System)
- Anti-skid chains**
 - see Snow chains
- Anti-theft alarm system**
 - see ATA (anti-theft alarm system)
- Anti-theft protection**
 - Additional door lock 71
 - Immobiliser 93
- Anti-theft protection**
 - see ATA (anti-theft alarm system)
- Anticipatory occupant protection**
 - see PRE-SAFE® (anticipatory occupant protection)
 - see PRE-SAFE® PLUS (anticipatory occupant protection plus)
- Apple CarPlay®**
 - 394
 - Connecting an iPhone® 395
 - Ending 396
- Notes 395
- Overview 394
- Sound settings 396
- Transferred vehicle data 398
- Apps**
 - Calling up (Rear Seat Entertainment System) 450
 - Overview (Rear Seat Entertainment System) 450
- Ashtray**
 - Use (front centre console) 130
 - Using (rear door) 132
- Assistance systems**
 - see Driving safety system
- Assistant display**
 - Menu (on-board computer) 277
- ASSYST PLUS**
 - Battery disconnection periods 454
 - Displaying the service due date 455
 - Function/notes 454
 - Regular maintenance work 454
 - Special service requirements 454
- ATA (anti-theft alarm system)**
 - 93
 - Deactivating the alarm 94
- Function 93
- Function of interior protection 95
- Priming/deactivating interior protection 95
- Priming/deactivating tow-away protection 95
- Tow-away protection function 94
- ATTENTION ASSIST**
 - Setting 254
 - System limits 252
- ATTENTION ASSIST with microsleep detection**
 - Function 252
 - Function 252
- Attention assistant**
 - see ATTENTION ASSIST with microsleep detection
- Augmented reality**
 - see Route guidance with augmented reality
- Authorised workshop**
 - see Qualified specialist workshop
- Automatic distance control**
 - see Active Distance Assist DISTRONIC
- Automatic driving lights** 143

- Automatic engine start (ECO start/stop function)** 180
- Automatic engine stop (ECO start/stop function)** 180
- Automatic front passenger front air-bag deactivation system**
see Automatic front passenger front airbag shutoff
- Automatic front passenger front air-bag shutoff** 45, 47
 - Function of the automatic front passenger front airbag deactivation system 45
 - PASSENGER AIR BAG indicator lamp 47
- Automatic lateral support adjustment**
Setting 107
- Automatic measures after an accident** ... 51
- Automatic mirror folding function**
Activating/deactivating 158
- Automatic seat adjustment**
Setting 106
- Automatic transmission**
DIRECT SELECT lever 185
- Drive program display** 183
- Drive programs** 183
- DYNAMIC SELECT button** 183
- Engaging drive position** 187
- Engaging neutral** 186
- Engaging park position** 186
- Engaging reverse gear** 186
- Kickdown** 188
- Manual gear changing** 187
- Oil temperature (on-board computer, Performance menu)** 278
- Steering wheel gearshift paddles** 187
- Transmission position display** 185
- Transmission positions** 185
- Axle load**
Permissible 561
- B**
- Bag hook** 125
- Ball coupling**
Folding in/out (MBUX multimedia system) 266
- Ball neck**
Extending/retracting 265
- BAS (Brake Assist System)** 204
- Battery**
Charging (Remote Online) 175
Key 69
Remote control (stationary heater) 167
- Battery**
see Battery (vehicle)
- Battery (vehicle)** 480
Charging 479
Charging (Remote Online) 175
Notes 475
Notes (starting assistance and charging) 477
Replacing 480
Starting assistance 479
- Belt**
see Seat belt
- Belt airbag**
Activation 36
Function/notes 39
- Bicycle rack**
Trailer operation 269

- Blind Spot Assist** 259
 - Activating/deactivating 262
 - Function 259
 - System limitations 259
- BlueTEC**
 - see AdBlue®
- Bluetooth®** 323
 - Information 323
 - Setting up an Internet connection 415
 - Switching on/off 323
- Bonnet**
 - Resetting (active bonnet) 455
- Boost pressure (on-board computer, Performance menu)** 278
- Boot box**
 - see EASY-PACK boot box
- Boot floor**
 - Opening 127
- Boot lid**
 - Activating/deactivating the boot lid opening limiter 82
 - Closing 77
 - HANDS-FREE ACCESS 80
- Locking separately 81
- Opening 76
- Opening dimensions 571
- Power closing function 77
- Unlocking (emergency key) 82
- Brake Assist System**
 - see BAS (Brake Assist System)
- Brake fluid**
 - Notes 569
- Brake force distribution**
 - EBD (Electronic Brake force Distribution) 207
- Brakes**
 - ABS (Anti-lock Braking System) 204
 - Active Brake Assist 207
 - Adaptive brake lights 214
 - BAS (Brake Assist System) 204
 - Driving tips 177
 - EBD (Electronic Brake force Distribution) 207
 - HOLD function 231
 - Limited braking effect (salt-treated roads) 177
- New/replaced brakepads/brake discs 176
- Post-collision brake 51
- Running-in notes 176
- Braking assistance**
 - see BAS (Brake Assist System)
- Breakdown**
 - Overview of the help functions 16
 - Tow-starting 485
 - Towing away 482
 - Transporting the vehicle 483
 - Wheel change 499
- Breakdown**
 - see Flat tyre
- Burmester® high-end 4D surround sound system** 438
 - Adjusting the balance/fader 438
 - Adjusting the sound optimisation 439
 - Adjusting treble, mid-range and bass settings 438
 - Automatic loudness adjustment 438
 - Calling up the sound menu 438
 - Information 438
 - Selecting the sound profile 439





































- Burmester® 3D-surround sound system** 436
- Adjusting the balance/fader 437
 - Adjusting the sound focus 437
 - Adjusting treble, mid-range and bass settings 437
 - Automatic loudness adjustment 437
 - Calling up the sound menu 437
 - Information 436
 - Selecting the sound profile 437
- Buttons**
- Steering wheel 273
- C**
- Call list**
- Calling up options 385
 - Deleting 385
 - Making a call 385
 - Overview 385
 - Selecting options for suggestions 385
- Calling up the sound menu**
- Burmester® high-end 4D surround sound system 438
- Burmester® 3D-surround sound system** 437
- Calls**
- Accepting 380
 - Activating functions during a call 380
 - Calls with several participants 381
 - Declining 380
 - Ending a call 380
 - Incoming call during an existing call 381
 - Making 380
 - Mercedes me 399
- Camera** 237
- Camera**
- Dashcam 368
 - see 360° Camera
 - see Reversing camera
- Car key**
- see Key
- Car telephony**
- see Telephone
- Car wash**
- see Care
- Car wash (care)** 461
- Car-to-X-Communication**
- Displaying hazard warnings 358
 - Overview 357
 - Sending hazard warnings 358
- Care**
- 360° Camera 465
 - Air-water duct 464
 - Car wash 461
 - Carpet 465
 - Decorative foil 463
 - Display 465
 - EASY-PACK boot box 465
 - Exterior lighting 464
 - High-pressure cleaner 462
 - Paintwork 462
 - Plastic trim 465
 - Real wood/trim elements 465
 - Reversing camera 464
 - Roof lining 465
 - Seat belt 465
 - Seat cover 465
 - Sensors 464
 - Tailpipes 464
 - Trailer hitch 464
 - Washing by hand 462



































- Wheels/rims 464
- Windows 464
- Wiper blades 464
- Carpet (Care)** 465
- Centre airbag (driver, front passenger)** ... 42
- Changing gears** 187
- Manually 187
- Changing hub caps** 499
- Changing the lights**
- Driving abroad (symmetrical low beam) 142
- Charging**
- Battery (vehicle) 479
- Mobile phone (wireless) 138
- USB port 134
- Child safety lock**
- Activating/deactivating (MBUX Remote Control) 326
- Rear door 64
- Rear side windows 65
- Switching on/off (MBUX Rear Seat Entertainment System) 326
- Child seat**
- Approval categories 57
- Attaching (notes) 57
- Basic instructions 51
- ISOFIX/i-Size (fitting) 61
- Notes on fastening (MBUX Interior Assistant) 314
- Notes on risks and dangers 52
- Recommended child restraint systems 56
- Saving the position (MBUX Interior Assistant) 314
- Seats suitable for i-Size child restraint systems 60
- Seats suitable for ISOFIX child restraint systems 59
- Top Tether 62
- Children**
- Avoiding dangers in the vehicle 52
- Basic instructions 51
- Chock** 498
- Storage location 498
- Chock**
- see Chock
- CI+ module** 435
- Calling up a menu 435
- Inserting the smart card 435
- Cigarette lighter**
- Rear 132
- City lighting** 147
- Cleaning**
- see Care
- Climate control**
- Activating/deactivating (rear operating unit) 160
- Activating/deactivating the A/C function (MBUX multimedia system) 161
- Activating/deactivating the synchronisation function (MBUX multimedia system) 162
- Air distribution settings 161
- Air-recirculation mode 162
- Automatic control 161
- Automatically controlling (rear operating unit) 161
- Calling up the air conditioning menu 161
- Demisting windows 162
- Front air vents 169

- Glove box air vent 171
- Inserting/removing the flacon (fragrance system) 163
- Ionisation 163
- Note 159
- Rear air vents 170
- Rear operating unit 160
- Residual heat 163
- Residual heat (rear operating unit) 163
- Setting (MBUX multimedia system) 161
- Setting the fragrance system 163
- Setting the rear passenger compartment (Rear Seat Entertainment System) 446
- Stationary heater/ventilation 165
- Switching on/off 160
- THERMOTRONIC control panel 159
- Ventilating the vehicle (convenience opening) 85
- Windscreen heating 164
- Cockpit** 6
 - Overview 6
- Coffee cup symbol**
 - see ATTENTION ASSIST with micro-sleep detection
- Collision detection (parked vehicle) 201
- Combination switch 144
- Communication module**
 - Setting the Internet connection automatically 414
 - Setting up an Internet connection 413
- Compass** 364
- Computer**
 - see On-board computer
- Connection status**
 - Displaying 418
 - Overview 417
- Connectivity**
 - Switching transmission of the vehicle position on/off 323
- Consumption indicator**
 - Calling up 184
- Contacts** 381
 - Calling up 382
 - Deleting 384
 - Deleting favourites 384
 - Downloading (from mobile phone) 382
 - Importing 383
- Cornering (overview) 383
- Information 381
- Making a call 383
- Name format 382
- Options 383
- Saving as a favourite 384
- Selecting options for suggestions 383
- Storing 383
- Control elements**
 - Touch-sensitive 22
- Convenience closing** 85
- Convenience opening** 85
- Coolant (engine)**
 - Check level 459
 - Notes 570
- Copyright** 34
- Cornering light** 146
- Cover**
 - see Roller sunblind
- Cross Traffic Alert** 252
- Crosswind Assist**
 - Function/notes 206
- Importing (overview) 383
- Information 381
- Making a call 383
- Name format 382
- Options 383
- Saving as a favourite 384
- Selecting options for suggestions 383
- Storing 383
- Control elements**
 - Touch-sensitive 22
- Convenience closing** 85
- Convenience opening** 85
- Coolant (engine)**
 - Check level 459
 - Notes 570
- Copyright** 34
- Cornering light** 146
- Cover**
 - see Roller sunblind
- Cross Traffic Alert** 252
- Crosswind Assist**
 - Function/notes 206

- Cruise control** 214
 - Activating 216
 - Buttons 216
 - Calling up a speed 216
 - Deactivating 216
 - Function 214
 - Requirements 216
 - Selecting 216
 - Setting a speed 216
 - Storing a speed 216
 - System limitations 214
- Cup holder**
 - Rear (vehicles with a rear bench seat) 130
- D**
- Dashboard**
 - see Cockpit
- Dashcam**
 - Configuring the settings 369
 - Deleting a video recording 369
 - Notes 368
 - Selecting a USB device 368
 - Starting/stopping video recording 368
- Data acquisition**
 - Vehicle 32
- Data storage**
 - Electronic control units 32
 - Online services 33
 - Vehicle 32
- Deactivating the alarm (ATA)** 94
- Dealership**
 - see Qualified specialist workshop
- Declaration of conformity**
 - Electromagnetic compatibility 24
 - Jack 28
 - TIREFIT kit 29
 - Wireless vehicle components 24
- Decorative foil (cleaning instructions)** 463
- DeNOx agent**
 - see AdBlue®
- Destination**
 - Editing intermediate destinations 344
 - Editing the previous destinations 354
 - Managing suggestions 354
 - Saving as global favourite 354
- Destination entry** 335
 - Accepting a destination suggestion 336
 - Entering a 3 word address 338
 - Entering a POI or address 335
 - Entering an intermediate destination .. 344
 - Entering geo-coordinates 338
 - Notes 335
 - Selecting a contact 338
 - Selecting a POI 337
 - Selecting a received destination 340
 - Selecting from favourites 339
 - Selecting from the map 339
 - Selecting previous destinations 337
- Destination suggestion**
 - Saving as a favourite 354
- Detecting inattentiveness**
 - see ATTENTION ASSIST
- Diagnostics connection** 29
- Diesel**
 - Low outside temperatures 566
 - Notes 566
- DIGITAL LIGHT**
 - Intelligent Light System 145
- Digital Owner's Manual** 18

- Digital speedometer 279
- Digital Vehicle Key sticker
 - Locking the vehicle 72
 - Starting the vehicle 173
 - Unlocking the vehicle 72
- Dinghy towing
 - see Tow-bar system
- Dipped beam
 - Setting 149
- DIRECT SELECT lever 185
 - Engaging drive position 187
 - Engaging neutral 186
 - Engaging park position 186
 - Engaging park position automatically .. 186
 - Engaging reverse gear 186
 - Function 185
- Display (Care) 465
- Display (MBUX multimedia system)
 - Home screen 291
 - Settings 321
- Display (multimedia system) 292
 - Operating 292
- Display (on-board computer)
 - Displays on the driver display 276
- Display content
 - Selecting 275
- Display message 573
 - Calling up (on-board computer) 573
 - Notes 573
- Display messages
 - km/h 615
 - km/h 614
 - LIM --- km/h 616
 - 12 V on-board electrical system Visit workshop 622
 - 48 V battery See Owner's Manual 624
 - Active Light System inoperative 580
 - AdBlue system fault Engine start not possible 631
 - AdBlue system fault See Owner's Manual 630
- AdBlue system malfunction
 - Emerg. op.: max. XXX km/h Start not poss. in XXX km 630
 - AdBlue system malfunction Emergency op. in XXX km See Owner's Manual 630
 - Add 1 litre engine oil when next refuelling 631
 - ATTENTION ASSIST inoperative .. 601
 - ATTENTION ASSIST Microsleep Take a break! 602
 - ATTENTION ASSIST: Take a break! 601
 - Automatic driving lights inoperative 580
 - Brake immediately 600
 - Change key batteries 578
 - Check brake fluid level 600
 - Check brake pads See Owner's Manual 601

-  Check trailer hitch lock (white display message) 584
-  Check tyre(s) 626
-  Clean the fuel filter 592
-  Compressor is cooling 607
-  Coolant Stop vehicle Switch engine off 591
-  currently unavailable Camera dirty 613
-  Currently unavailable Radar dirty 612
-  currently unavailable See Owner's Manual 617
-  currently unavailable See Owner's Manual 618
-  Engine oil level cannot be measured 633
-  Engine oil level Reduce oil level 632
-  Intensive cleaning activated for 30 s 590
-  Engine oil level Stop vehicle Switch engine off 632
-  Engine oil pressure Stop Switch off engine 633
-  Fault Drive at max. 80 km/h 604, 605
-  Front left malfunction Consult workshop (example) 574
-  inoperative Battery low 582
-  inoperative Refuel vehicle 582
-  inoperative See Owner's Man-ual 582
-  inoperative See Owner's Man-ual 618
-  inoperative See Owner's Man-ual 619
-  inoperative See Owner's Man-ual 620
-  Inoperative 621
-  Intensive cleaning activated for 30 s 590
-  Key not detected (red display message) 578
-  Key not detected (white display message) 578
-  Left dipped beam (example) 579
-  Left windowbag malfunction Consult workshop (example) 574
-  Malfunction See Owner's Man-ual 579
-  Maximum speed exceeded 616
-  Off 614
-  HOLD Off 613
-  Operation only possible in transmission position P 583
-  Parking brake See Owner's Manual 597
-  LIM passive 615
-  Please wait 48 V battery charging 624

-  Rear axle steering currently malfunctioning 586
-  Rear axle steering Malfunction Stop immediately 587
-  Rear axle steering Malfunction Visit workshop 587
-  Rear left seat backrest not locked (example) 589
-  Rectify tyre pressure 627
-  Refill AdBlue See Owner's Manual 628
-  Release parking brake 599
-  Replace air cleaner 592
-  Replace key See Owner's Manual 577
-  Replace key 577
-  Reserve fuel level 592
-  Restraint system malfunction Consult workshop 574
-  Steering malfunction Drive carefully Visit workshop 585
-  Steering malfunction Increased physical effort See Owner's Manual 586
-  Steering malfunction Stop immediately See Owner's Manual 586
-  Stop the vehicle Leave the engine running to charge the 12 V battery 623
-  STOP Vehicle level too low 606
-  Stop vehicle See Owner's Manual 622
-  Stop vehicle See Owner's Manual 623
-  suspended 614
-  Switch off lights 580
-  Switch on headlights 580
-  Switch on the engine to charge the 12 V battery 623
-  Top up AdBlue Emergency op. in XXX km See Owner's Manual 629
-  Top up coolant See Owner's Manual 591
-  Top up washer fluid 590
-  Trailer coupling in motion 583
-  Turn on the ignition to release the parking brake 600
-  Vehicle is operational Switch off ignition before exiting 583
-  Vehicle rising Please wait 607
-  Warning tyre defect 627
-  Wheel sensor(s) missing 626
-  XX,X I Top up AdBlue Emerg. op.: max. XXX km/h Start not poss. in XXX km 629
-  XX,X I Top up AdBlue Switch on ignition, wait 60 sec. or eng. start not poss. 629

- Active Blind Spot Assist currently unavailable See Owner's Manual 610
- Active Blind Spot Assist inoperative 610
- Active Blind Spot Assist not available when towing a trailer See Owner's Manual 611
- Active bonnet malfunction See Owner's Manual 588
- Active Brake Assist Functions currently limited See Owner's Manual 620
- Active Brake Assist Functions limited See Owner's Manual 621
- Active Distance Assist available again 615
- Active Distance Assist currently unavailable See Owner's Manual 614
- Active Distance Assist inoperative 614
- Active Emergency Stop Assist currently unavailable See Owner's Manual 603
- Adaptive Highbeam Assist Plus currently unavailable See Owner's Manual 581
- Adaptive Highbeam Assist Plus inoperative 581
- Anti-theft alarm system Malfunction ... 589
- Apply brake and start engine to shift out of P or N 593
- Apply brake to deselect P position 593
- Apply brake to select D or R 593
- Apply brake to select R 593
- Apply parking brake to park Visit workshop 594
- Auxiliary battery malfunction 596
- Beginning emergency stop 603
- Blind Spot Assist currently unavailable See Owner's Manual 609
- Blind Spot Assist inoperative 610
- Blind Spot Assist not available when towing a trailer See Owner's Manual ... 610
- Active Emergency Stop Assist inoperative 603
- Active Lane Keeping Assist currently unavailable See Owner's Manual 608
- Active Lane Keeping Assist inoperative 609
- Active Parking Assist and PARKTRONIC inoperative See Owner's Manual 611
- Active Steering Assist currently unavailable due to multiple emergency stops 608
- Active Steering Assist currently unavailable See Owner's Manual 608
- Active Steering Assist inoperative 608
- Active Stop-and-Go Assist currently unavailable see Owner's Manual 609
- Active Stop-and-Go Assist inoperative See Owner's Manual 609

| | | | | | |
|-----------------------------------------------------------------------------------------------------|-----|----------------------------------------------------------------------------------------------|-----|------------------------------------------------------------------------------------|-----|
| Cannot start engine See Owner's Manual | 624 | Front passenger airbag enabled See Owner's Manual | 575 | Place the key in the marked space See Owner's Manual | 579 |
| Change steering wheel/ seat position until 6 dots are visible on the upper edge of the screen | 602 | Hazard warning lamp system Malfunction | 581 | PRE-SAFE impulse side inoperative See Owner's Manual | 577 |
| Consult workshop without changing the transmission position | 596 | Limited availability of Active Parking Assist manoeuvring assistant See Owner's Manual | 603 | PRE-SAFE inoperative See Owner's Manual | 576 |
| Cruise control and Limiter inoperative | 615 | Owner's Manual | 616 | Push rear left seat belt extender back manually See Owner's Manual (example) | 575 |
| Cruise control inoperative | 615 | Motor can be started again | 625 | Reduce speed | 628 |
| Cruise control off | 615 | MULTIBEAM LED Functions limited | 581 | Reversing not poss. Consult workshop | 595 |
| Device detected at diagnostics connection See Owner's Manual | 621 | N automatically activated Please select transmission position again | 595 | Risk of vehicle rolling away Apply parking brake to park | 594 |
| DIGITAL LIGHT Functions limited | 581 | Only select P when vehicle is stationary | 593 | Risk of vehicle rolling away Driver's door open Transmission not in P | 594 |
| Driver camera inoperative See Owner's Manual | 602 | PARKTRONIC and manoeuvring assistant not available at rear when towing a trailer | 604 | Risk of vehicle rolling away N activated manually No automatic switch to P | 594 |
| Driver camera view currently restricted See Owner's Manual | 602 | PARKTRONIC inoperative See Owner's Manual | 604 | | |
| Front passenger airbag disabled See Owner's Manual | 575 | | | | |

- Snow chain mode Maximum speed exceeded 588
- Speed limit (winter tyres) XXX km/h ... 616
- Stop vehicle Leave engine running
- Wait Transmission cooling 596
- To switch off the engine, press the Start/Stop button for at least 3 seconds or 3 times. 590
- Traffic Sign Assist currently unavailable See Owner's Manual 611
- Traffic Sign Assist inoperative 611
- Transmission Malfunction Stop 595
- Tyre press. monitor currently unavailable 625
- Tyre press. monitor inoperative 625
- Tyre press. monitor inoperative No wheel sensors 626
- Tyre(s) overheated 627
- Display on the windscreen**
see Head-up display
- Distance control**
see Active Distance Assist DISTRONIC
- Distance recorder**
see Trip distance
- DISTRONIC**
see Active Distance Assist DISTRONIC
- Door**
Additional door lock 71
Child safety lock (rear door) 64
Locking (emergency key) 75
Opening (from the inside) 71
Power closing function 75
Unlocking (emergency key) 75
Unlocking (from the inside) 71
- Door control panel** 12
- Door control panel (rear)** 14
- Drawbar**
see Tow-bar system
- Drive Away Assist** 251
- Drive Away Assist**
see Protection against collision
- Drive position**
Engaging 187
- Drive program display** 183
- Drive programs**
see DYNAMIC SELECT
- Driver camera**
Activating/deactivating 320
Overview 319
- Driver display** 272
Function/notes 272
Overview of displays 276
- Driver's display**
Indicator/warning lamps 633
- Driver's seat**
see Seat
- Driving abroad**
Symmetrical low beam 142
- Driving lights**
see Automatic driving lights
- Driving safety system** 202
ABS (Anti-Lock Braking System) 204
Active Brake Assist 207
Adaptive brake lights 214
BAS (Brake Assist System) 204
Cameras 203

- EBD (Electronic Brake force Distribution) 207
- ESP® Crosswind Assist 206
- ESP® trailer stabilisation 206
- Overview 203
- Radar and ultrasonic sensors 203
- Responsibility 202
- STEER CONTROL 207
- Driving system**
- see 360° Camera
- see Active Blind Spot Assist
- see Active Distance Assist DISTRONIC
- see Active Emergency Stop Assist
- see Active Lane Change Assist
- see Active Lane Keeping Assist
- see Active Parking Assist
- see Active Speed Limit Assist
- see Active Steering Assist
- see AIRMATIC
- see ATTENTION ASSIST with micro-sleep detection
- see Blind Spot Assist
- see Cruise control
- see Driving safety system
- see E-ACTIVE BODY CONTROL
- EBD (Electronic Brake force Distribution) 183
- Function/notes 181
- E**
- Selecting the drive program 183
- E-ACTIVE BODY CONTROL** 235
- Suspension 235
- E-mails**
- see In-Car Office
- E10** 564
- Easy entry feature**
- Function/notes 112
- Setting 113
- Easy exit feature**
- Function/notes 112
- Setting 113
- EASY-PACK boot box** 127
- Adjusting the height to any position 125
- Care 465
- Installing/removing 127
- EBD (Electronic Brake force Distribution)**
- Function/notes 207
- ECO Assist**
- Function/notes 181
- see HOLD function
- see Limiter
- see Parking Assist PARKTRONIC
- see Reversing camera
- see Traffic Sign Assist
- Driving tips**
- Driving abroad (symmetrical low beam) 142
- General driving tips 177
- Running-in notes 176
- Drowsiness detection**
- see ATTENTION ASSIST with micro-sleep detection
- Dynamic handling control system**
- see ESP® (Electronic Stability Program)
- DYNAMIC SELECT** 183
- Configuring drive program I 184
- Displaying engine data 184
- Displaying vehicle data 184
- Drive program display 183
- Drive programs 183
- Function 183
- Operating (DYNAMIC SELECT switch) 183

- ECO display**
 - Function 181
- ECO start/stop function** 180
 - Automatic engine start 180
 - Automatic engine stop 180
 - Operation 180
 - Switching off/on 181
- Electric parking brake** 199
 - Applying automatically 199
 - Applying or releasing manually 200
 - Emergency braking 200
 - Releasing automatically 200
- Electrical fuses**
 - see Fuses
- Electrohydraulic suspension**
 - see E-ACTIVE BODY CONTROL
- Electromagnetic compatibility**
 - Declaration of conformity 24
- Electronic Stability Program**
 - see ESP® (Electronic Stability Program)
- Electronics** 505
- Electronics compartment**
 - Rear centre console 122
- Emergency**
 - Fire extinguisher 469
 - First-aid kit (soft sided) 468
 - Overview of the help functions 16
 - Removing the warning triangle 468
 - Safety vest 467
 - Setting up the warning triangle 468
- Emergency braking** 200
- Emergency braking**
 - see BAS (Brake Assist System)
- Emergency call system**
 - see Mercedes-Benz emergency call system
- Emergency engine start** 485
- Emergency key**
 - Inserting/removing 69
 - Locking a door 75
 - Unlocking a door 75
 - Unlocking the boot lid 82
- Emergency operation mode**
 - Starting the vehicle 174
- Emergency spare wheel** 504
 - Notes 504
- ENERGIZING Coach**
 - Calling up 333
 - Function 332
- ENERGIZING COMFORT** 330
 - Overview of programmes 330
 - Starting the programme 331
 - Starting the programme in the rear passenger compartment 446
- ENERGIZING seat kinetics**
 - Setting 330
- ENERGIZING seat kinetics**
 - see ENERGIZING COMFORT
- Engine**
 - ECO start/stop function 180
 - Engine number 561
 - Starting (Digital Vehicle Key sticker) 173
 - Starting (emergency operation mode) 174
 - Starting (mobile phone) 173
 - Starting (Remote Online) 175
 - Starting (start/stop button) 173
 - Starting assistance 479
 - Switching off (start/stop button) 195

- Engine bonnet**
 Function (active bonnet) 455
 Opening/closing 456
- Engine data**
 Displaying 184
- Engine electronics**
 Notes 505
 561
- Engine number** 458
- Engine oil** 568
- Additives 569
- Capacity 457
- Checking the oil level using the on-board computer 569
- MB-Freigabe or MB-Approval 569
- Quality 278
- Temperature (on-board computer, Performance menu) 458
- Topping up 307
- Entering characters** 307
- Function/notes 309
- Handwriting recognition 307
- On the touchscreen (central display) ... 309
- Selecting writing speed 309
- Setting the keyboard language 309
- EQ Boost**
 Operating safety 22
 Qualified specialist workshop 30
- ERA-GLONASS test mode**
 Starting/ending 411
- ESC (Electronic Stability Control)**
 see ESP® (Electronic Stability Program)
- ESP®**
 Crosswind Assist 206
 Trailer stabilisation 206
- ESP® (Electronic Stability Program)** 204
- Activating/deactivating 206
- Function/notes 204
- Status display (on-board computer, Performance menu) 278
- EU general operating permit number** 561
- Exterior lighting**
 see Lights
- Exterior lighting (Care)** 464
- Engine oil** 458
- Additives 568
- Capacity 457
- Checking the oil level using the on-board computer 569
- MB-Freigabe or MB-Approval 569
- Quality 278
- Temperature (on-board computer, Performance menu) 458
- Topping up 307
- Entering characters** 307
- Function/notes 309
- Handwriting recognition 307
- On the touchscreen (central display) ... 309
- Selecting writing speed 309
- Setting the keyboard language 309
- F**
- Fatigue detection**
 see ATTENTION ASSIST with micro-sleep detection
- Fault message**
 see Display message
- Favourites**
 Adding 300
 Adding a destination 339
 Calling up 300
 Deleting 301
 Home address 339
 Moving 301
 Overview 300
 Renaming 301
 Work address 339
- Fill level**
 AdBlue® 277
- Filling station search**
 Starting automatic search 347
 Switching automatic search on/off 347
- Fingerprint sensor**
 MBUX multimedia system 294

- Fire extinguisher** 469
First-aid kit (soft sided) 468
Flacon
 Inserting/removing 163
Flat towing
 see Tow-bar system
Flat tyre 469
 MOExtended tyres 470
 Notes 469
 TIREFIT kit 471
 Wheel change 499
Floor mats 140
Fog light (extended range) 146
Foil covering
 Radar and ultrasonic sensors 203
Fragrance
 see Fragrance system
Fragrance system 163
 Inserting/removing the flacon 163
 Setting 163
Free software 34
- Frequencies**
 Mobile phone 506
 Two-way radio 506
Frequency band
 Selecting (on-board computer) 280
Front airbag (driver, front passenger) 42
Front passenger seat 99
 Adjusting from the driver's seat 99
 Adjusting from the rear 99
Front passenger seat
 see Seat
Fuel 565
 Additives 565
 Diesel 566
 E10 564
 Fuel reserve 567
 Low outside temperatures 566
 Petrol 564
 Quality (diesel) 566
 Quality (petrol) 564
 Refuelling 189
 Sulphur content 564
 Tank content 567
- Fuel consumption**
 On-board computer 279
Function seat
 see Door control panel
Function seat (rear)
 see Seat (rear)
Fuses 485
 Before replacing a fuse 485
 Fuse assignment diagram 485
 Fuse box in the boot 489
 Fuse box in the engine compartment .. 486
 Fuse box in the front passenger foot-
 well 488
 Fuse box on the dashboard 488
 Notes 485
- G**
G-meter (on-board computer, Performance menu) 278
Garage door opener
 Clearing the memory 198
 Opening or closing the door 198
 Programming buttons 196
 Resolving problems 198

- Synchronising the rolling code 197
- Gear display (on-board computer, Performance menu)** 278
- Gearshift recommendation** 188
- General operating permit number (EU)** 561
- Genuine parts** 21
- Glide mode** 188
- Global search**
Function 304
Overview 304
- Glove box**
Air vent 171
- H**
- Handbrake**
see Electric parking brake
- Handling characteristics (unusual)** 490
- HANDS-FREE ACCESS** 80
- Handset**
Activating 444
Charging 444
- Deactivating 444
Features 443
LED displays 442
Overview 442
Stowage compartment (rear) 122
Hazard warning lights 145
- HD programmes**
see C+ module
- Head restraint**
Activating/deactivating neck heating 104
Attaching/removing the additional cushion (front) 103
Attaching/removing the additional cushion (rear) 104
Front (luxury head restraint) 102
Rear (adjusting) 104
Rear (folding into position/folding back mechanically) 105
Rear (luxury head restraint) 104
- Head-up display**
Adjusting display elements (on-board computer) 283
- Adjusting the brightness (on-board computer) 283
Function 282
Menu (on-board computer) 283
Operating the memory function 113
Setting the position (on-board computer) 283
Switching on/off 284
- Headlamp flasher** 144
- Headphones (Rear Seat Entertainment System)**
Overview 441
- High beam**
Adaptive Highbeam Assist Plus 147
Switching on/off 144
- High-pressure cleaner (care)** 462
- Hill Start Assist** 231
- HOLD function** 231
Function/notes 231
Switching on/off 231
- Home screen (central display)**
Overview 291

- I**
- i-Size child seat securing system**
- Fitting 61
- Seats suitable for attaching 60
- Identification plate**
- Engine 561
- Vehicle 561
- Ignition**
- Switching on (Start/Stop button) 172
- Ignition key**
- see Key
- Immobiliser** 93
- Implied warranty**
- Vehicle 31
- In-Car Office** 388, 390
- Answering e-mail 390
- Calling up 388
- Features 388
- Forwarding e-mail 391
- Managing e-mails 390
- Marking a task as completed 389
- Noting an incoming call 389
- Selecting functions (calendar entry) 389
- Selecting functions (Tasks & Calls) 389
- Video conference overview 391
- Writing e-mail 390
- Increase in traffic information volume**
- Setting 430
- Indicator lamp**
- see Indicator/warning lamp
- Indicator/warning lamp** 633
- Overview 633
- Individual drive program**
- Configuring 184
- Selecting 183
- Individual menu**
- Configuring displays 281
- Inspection**
- see ASSYST PLUS
- Instrument cluster**
- see Driver display
- Intelligent Light System**
- Active headlamps 145
- Adaptive Highbeam Assist Plus 147
- Adverse weather light 147
- City lighting 147
- Cornering light 146
- Fog light (extended range) 146
- Motorway mode 146
- Overview 145
- Switching on/off 147
- Interior lighting** 150
- Adaptive rear compartment light (Rear Seat Entertainment System) 447
- Ambient lighting 150
- Ambient lighting (Rear Seat Entertainment System) 447
- Reading light 150
- Setting 150
- Switch-off delay time 151
- Interior protection**
- Function 95
- Priming/deactivating 95
- Intermediate destination**
- Entering 344
- Modifying 344
- Starting an automatic filling station search 347
- Starting the automatic service station search 347

- Internet connection**
 - Changing configuration of the car telephone 416
- Internet**
 - Calling up a web page 418
 - Calling up the web browser settings 419
 - Calling up web browser options 419
 - Closing the browser 420
 - Deleting a bookmark 419
 - Deleting history 419
 - Managing bookmarks 419
- Internet connection**
 - Cancelling permission (mobile phone) 417
 - Connection status 417
 - Displaying the connection status 418
 - Establishing 417
 - Information 413
 - Restrictions 413
 - Setting access data (Bluetooth®) 415
 - Setting automatically (communication module) 414
 - Setting up (Bluetooth®) 415
 - Setting up (business telephony) 416
 - Setting up (communication module) 413
- Setting up (Wi-Fi) 415
- Internet radio**
 - see TuneIn
- Ionisation**
 - Activating/deactivating (MBUX multimedia system) 163
- iPhone®**
 - see Apple CarPlay®
 - see Mercedes-Benz Link
- ISOFIX child seat securing system**
 - Fitting 61
 - Seats suitable for attaching 59
- J**
- Jack**
 - Declaration of conformity 28
 - Storage location 498
- Jump-start connection**
 - General notes 479
 - 477
- K**
- Key**
 - Acoustic locking verification signal 67
 - 68
- Battery 69
- Emergency key 69
- Energy consumption 68
- Features 67
- Key ring attachment 69
- Overview 67
- Problem 70
- Unlocking setting 68
- Key functions**
 - Deactivating 68
- KEYLESS-GO**
 - Locking the vehicle 73
 - Problem 74
 - Unlocking setting 68
 - Unlocking the vehicle 73
- Kickdown**
 - Using 188
 - 188
- Knee airbag**
 - 42
- L**
- Lamp**
 - see Interior lighting
- Lamps (driver's display)**
 - see Indicator/warning lamp

- Lane detection (automatic)**
 - see Active Lane Keeping Assist
- Lane Keeping Assist**
 - see Active Lane Keeping Assist
- Language** 327
 - Notes 327
 - Setting 327
- Level control system**
 - see AIRMATIC
 - see E-ACTIVE BODY CONTROL
- Light switch** 142
 - Overview 142
- Lighting**
 - see Interior lighting
 - see Lights
- Lights** 142
 - Active headlamps 145
 - Adaptive Highbeam Assist Plus 147
 - Adverse weather light 147
 - Automatic driving lights 143
 - City lighting 147
 - Combination switch 144
 - Cornering light 146
- Driving abroad (symmetrical low beam)** 142
- Fog light (extended range)** 146
- Hazard warning lights** 145
- Headlamp flasher** 144
- High beam** 144
- Intelligent Light System** 145
- Light switch** 142
- Low beam** 142
- Motorway mode** 146
- Parking lights** 142
- Rear fog light** 142
- Responsibility for lighting systems** 142
- Setting the dipped beam** 149
- Setting the exterior lighting switch-off delay time** 149
- Standing lights** 142
- Switching the surround lighting on/off** 149
- Turn signal lights** 144
- Dimmer** 215
 - Activating 216
 - Buttons 216
 - Calling up a speed 216
 - Deactivating 216
- Function** 215
- Passive mode** 215
- Permanent setting** 218
- Requirements** 216
- Selecting** 216
- Setting a speed** 216
- Storing a speed** 216
- System limitations** 215
- Limiting speed**
 - see Limiter
- Live Traffic Information**
 - Displaying the traffic map 355
 - Displaying traffic incidents 356
 - Extending a subscription 355
 - Provider information 355
 - Registering on Mercedes me 355
 - Switching the traffic information display on 357
- Loading**
 - Bag hook 125
 - Notes 119
 - Roof luggage rack 129
 - Stowage space under the boot floor 127
- Loading guidelines** 119

- Locking/unlocking**
 Activating/deactivating the automatic locking feature 74
 Additional door lock 71
 Digital Vehicle Key sticker 72
 Emergency key 75
 KEYLESS-GO 73
 Mobile phone 72
 Smartphone 72
 Unlocking/opening the doors from the inside 71
- Low beam**
 Switching on/off 142
 Symmetrical low beam 142
- Lubricant additives**
 see Additives
- Luggage**
 Net hooks 123
 Securing 119
- Luggage net hooks** 123
- Loads**
 Securing 119
- Locking an external device (child safety lock)** 326
- Locking/unlocking**
 Activating/deactivating the automatic locking feature 74
 Additional door lock 71
 Digital Vehicle Key sticker 72
 Emergency key 75
 KEYLESS-GO 73
 Mobile phone 72
 Smartphone 72
 Unlocking/opening the doors from the inside 71
- Low beam**
 Switching on/off 142
 Symmetrical low beam 142
- Lubricant additives**
 see Additives
- Luggage**
 Net hooks 123
 Securing 119
- Luggage net hooks** 123
- M**
- MAGIC VISION CONTROL**
 Wipers 154
- Maintenance**
 see ASSYST PLUS
- Malfunction**
 Restraint system 36
- Map**
 Avoiding an area 355, 360
 Avoiding an area (overview) 362
 Changing an area 362
 Deleting an area 363
 Displaying Qibla 364
 Displaying the compass 364
 Displaying the map version 362
 Displaying the next intersecting street 361
 Displaying the range 365
 Displaying the satellite map 365
 Displaying the traffic map 355
 Displaying weather information 365
 Map data 363
 Moving 360
 Selecting POI symbols 361
- Selecting text information 361
 Selecting the map orientation 360
 Setting the map scale 360
 Setting the map scale automatically 364
 Updating 363
- Message programmes**
 Overview 107
 Resetting the settings 108
- Message programs**
 Selecting the front seats 108
- Message settings**
 Resetting 108
- Maximum gross vehicle weight** 561
- Maximum speed**
 see Limiter
- MBUX authorised devices**
 Activating/deactivating child safety lock 326
 Managing 325
- MBUX Interior Assistant**
 Anticipatory exit warning 309
 Automatic preselection of the out-side mirror 314

- Emergency call with transmission of number of vehicle occupants 314
- Notes 309
- Notes on fastening the child seat 314
- Opening/closing the roller sunblind on the rear window 316
- Opening/closing the roller sunblind on the sliding roof 316
- Opens/closes the sliding sunroof 316
- Pre-setting the driver's seat position automatically 315
- Saving the child seat position 314
- Selecting settings 319
- Switching the reading light for the driver and front passenger on/off 315
- Switching the search light for the driver on/off 315
- MBUX Interior Assistant (multimedia system)** 310
- Calling up favourites with the V pose ... 317
- Operating a function with the favourite pose 317
- Operating functions by proximity of the hand 318
- Overview 310
- MBUX multimedia system** 290
- Activating/deactivating snow chain mode 491
- Activating/deactivating standby mode 202
- Adjusting the volume 306
- Configuring display settings 321
- Configuring drive program I 184
- ENERGIZING COMFORT programme (overview) 330
- Overview 290
- Overview of the fingerprint sensor 294
- Setting route-based speed adaptation 224
- Setting the footwell temperature 162
- Setting the rear climate control 162
- Standby mode function 202
- Starting the ENERGIZING COMFORT programme 331
- Switching the sound on/off 305
- MBUX Rear Entertainment System**
- Locking displays (child safety lock) 326
- MBUX Remote Control**
- Authorising a device 325
- MBUX Voice Assistant** 285
- Audible help functions 288
- Improving speech quality 289
- Language setting 287
- Multifunction steering wheel (operating) 285
- Online voice control 289
- Operable functions 286
- Operating safety 285
- Setting (MBUX multimedia system) 287
- Using (Rear Seat Entertainment System) 453
- Voice prompting 286
- Mecca** 364
- Media**
- Menu (on-board computer) 280
- Media mode**
- Adding a favourite song 426
- Connecting Bluetooth® audio equipment 425
- Connecting USB devices 424
- Controlling media playback 425
- Copyright and trademarks 422
- Notes about the search function in categories 427

- Starting/ending ERA-GLONASS test mode 411
 Transmission of number of vehicle occupants (MBUX Interior Assistant) ... 314
- Mercedes-Benz Link** 392
 Connecting 393
 Ending 394
 Note 393
 Overview 392
 Sound settings 394
- Mercedes-Benz service centre**
 see Qualified specialist workshop
- Message (driver display)**
 see Display message
- Message memory** 573
- Messages** 386
 Calling a message sender 387
 Composing 386
 Configuring the displayed text messages 386
 Deleting 388
 Forwarding 387
 Overview 386
 Reading 386
- Replying 386
 Sending 386
 Using a number/URL 387
 Using templates 387
- Mirrors**
 see Outside mirrors
- Mobile phone**
 Cancelling permission for Internet connection 417
 Frequencies 506
 Locking the vehicle 72
 Starting the vehicle 173
 Transmission output (maximum) 506
 Unlocking the vehicle 72
 Wireless charging (rear) 140
 see Apple CarPlay®
- Mobile phone**
 see Android Auto
 see Mercedes-Benz Link
 see Telephone
- Mobile phone voice recognition**
 Starting 376
 Stopping 376
- Model series**
 see Vehicle identification plate
- MOExtended tyres** 470
- Motorway mode** 146
- MULTIBEAM LED**
 Intelligent Light System 145
- Multifunction camera**
 ROAD SURFACE SCAN 237
- Multifunction steering wheel**
 Overview of buttons 273
- Multifunction steering wheel**
 see Steering wheel
- Multimedia system**
 Activating/deactivating voice amplification to rear 322
 Collision detection (parked vehicle) 201
 ENERGIZING seat kinetics 330
 Favourites 300
 Restoring (factory settings) 329
 Switches the steering wheel heater on/off 112
- Multimedia system**
 see Display (multimedia system)

- see Entering characters
 - see MBUX Interior Assistant
 - see MBUX Interior Assistant (multi-media system)
 - see MBUX multimedia system
 - see Notifications Centre
- Music online**
- Calling up 426
 - Configuring options 427
 - Search function 426
- N**
- Navigation**
- Menu (on-board computer) 279
 - Overview 334
 - Showing/hiding the menu 334
 - Switching on 334
 - Updating the map data 363
- Navigation**
- see Destination entry
 - see Map
 - see Route
 - see Route guidance
 - see Traffic information
 - see Vehicle position
- Navigation announcements**
- Activating/deactivating 352
 - Adjusting the volume 352
 - Repeating 353
 - Switching audio fadeout on/off 352
- Navigation messages**
- On-board computer 279
- Near Field Communication (NFC)**
- Connecting a mobile phone to the MBUX multimedia system 374
 - General information 374
 - Locking the vehicle (digital vehicle key sticker) 72
 - Locking the vehicle (mobile phone) 72
 - Starting the vehicle (Digital Vehicle Key sticker) 173
 - Starting the vehicle (mobile phone) 173
 - Switching mobile phones 374
 - Unlocking the vehicle (digital vehicle key sticker) 72
 - Unlocking the vehicle (mobile phone) 72
 - Using a mobile phone 374
- Near-field communication**
- Activating/deactivating 323
 - Information 323
- Neutral**
- Engaging 186
- NFC**
- see Near Field Communication (NFC)
- Nodding off**
- see ATTENTION ASSIST with micro-sleep detection
- Notifications Centre**
- Calling up a notification 301
 - Editing a notification 302
 - Global search (overview) 303
 - Global search (overview) 304
 - Notification types 301
 - Overview 301
 - Selecting actions for a notification 303
 - Using the global search 304
- O**
- Occupant safety**
- see Airbag
 - see Automatic front passenger front airbag shutoff
 - see Automatic measures after an accident
 - see Pets in the vehicle
 - see Post-collision brake

| | | | |
|------------------------------------------------------------|----------|--|--|
| see PRE-SAFE® (anticipatory occupant protection) | | | |
| see PRE-SAFE® Impulse Side | | | |
| see PRE-SAFE® PLUS (anticipatory occupant protection plus) | | | |
| see Restraint system | | | |
| see Seat belt | | | |
| Odometer | | | |
| see Total distance | | | |
| Oil | | | |
| see Engine oil | | | |
| On-board computer | 274 | | |
| Assistance graphic menu | 277 | | |
| Displaying the service due date | 454 | | |
| Driver display | 276 | | |
| Entertainment menu | 280 | | |
| Head-up display menu | 283 | | |
| Menus overview | 274 | | |
| Navigation menu | 279 | | |
| Operating | 274 | | |
| Performance menu | 278 | | |
| Service menu | 277 | | |
| Trip menu | 279 | | |
| On-board diagnostics interface | | | |
| see Diagnostics connection | | | |
| On-board electronics | | | |
| Engine electronics | 505 | | |
| Notes | 505 | | |
| Two-way radios | 505 | | |
| Online services | | | |
| Data storage | 33 | | |
| Online services | | | |
| see In-Car Office | | | |
| Open-source software | 34 | | |
| Opening the boot lid using your foot | | | |
| HANDS-FREE ACCESS | 80 | | |
| Operating fluids | | | |
| AdBlue® | 567 | | |
| Additives (fuel) | 565 | | |
| Brake fluid | 569 | | |
| Coolant (engine) | 570 | | |
| Engine oil | 568 | | |
| Fuel (diesel) | 566 | | |
| Fuel (petrol) | 564 | | |
| Notes | 563 | | |
| Windscreen washer fluid | 570 | | |
| Operating safety | | | |
| 48 V on-board electrical system | 22 | | |
| Declaration of conformity (electromagnetic compatibility) | 24 | | |
| Declaration of conformity (jack) | 28 | | |
| Declaration of conformity (TIREFIT kit) | 29 | | |
| Declaration of conformity (wireless vehicle components) | 24 | | |
| EQ Boost | 22 | | |
| Information | 22 | | |
| Operating system | | | |
| see On-board computer | | | |
| Outside mirrors | | | |
| Anti-dazzle mode (automatic) | 155, 156 | | |
| Automatic mirror folding function | 158 | | |
| Automatic preselection (MBUX Interior Assistant) | 316 | | |
| Folding in/out | 155 | | |
| Operating the memory function | 113 | | |
| Parking position | 157 | | |
| Setting | 155 | | |
| Overhead control panel | | | |
| Overview | 10 | | |

- Owner's Manual**
 Vehicle equipment 22
Owner's Manual (digital) 18
- P**
- Paint code** 561
Paintwork (cleaning instructions) 462
Panel heating
 Setting 109
- Panoramic sliding sunroof**
 see Sliding sunroof
- Park position**
 Inserting 186
 Selecting automatically 186
- Parked Vehicle Locator**
 Switching transmission on/off 323
- Parking**
 see Electric parking brake
- Parking aid**
 see Parking Assist PARKTRONIC
- Parking Assist PARKTRONIC** 238
 Activating 239
- Adjusting warning tones 240
 Deactivating 239
 Function 238
 System limitations 238
- Parking assistance systems**
 see Active Parking Assist
- Parking brake**
 see Electric parking brake
- Parking charges**
 Paying 367
- Parking lights** 142
- Parking option**
 Displaying on the map 366
 Selecting 366
- Parking position**
 Outside mirrors 157
 Storing the position of the passenger
 outside mirror using reverse gear 157
- Parking service**
 Displaying a parking option on the
 map 366
 Paying parking charges 367
 Selecting parking options 366
- Parking up** 202
- PASSENGER AIR BAG status display**
 see Automatic front passenger front
 airbag shutoff
- Pedestrian protection**
 see Active bonnet (pedestrian protection)
- Performance (on-board computer,**
Performance menu) 278
- Perfume**
 see Fragrance system
- Perfume vial**
 see Fragrance system
- Period out of use**
 Activating/deactivating standby
 mode 202
 Standby mode function 202
- Permissible axle load** 561
- Permitted towing methods** 481
- Personalisation**
 see User profiles
- Petrol** 564
- Pets in the vehicle** 66

- Phone book**
see Contacts
- Plastic trim (Care)** 465
- POI**
Selecting 337
- POI symbols**
Selecting 361
- Post-collision brake** 51
- Power closing function**
Boot lid 77
Door 75
- Power output (on-board computer, Performance menu)** 278
- Power supply**
Switching on (Start/Stop button) 172
- Power windows**
see Side windows
- PRE-SAFE® (anticipatory occupant protection)** 49
Function 49
PRE-SAFE® Sound 49
Reversing measures 50
- PRE-SAFE® Impulse Side** 51
Activation 36
Function 51
- PRE-SAFE® PLUS (anticipatory occupant protection plus)** 50
Function 50
Reversing measures 50
- Preventative occupant protection system**
see PRE-SAFE® (anticipatory occupant protection)
- Previous destinations**
Selecting 337
- Programme**
see DYNAMIC SELECT
- Programme information**
TV channel 432
- Protection against collision** 251
- Protection of the environment**
Notes 20
Take-back of end-of-life vehicles 20
- Q**
- Qibla** 364
- QR code**
Rescue card 32
- Qualified specialist workshop** 30
- R**
- Radar and ultrasonic sensors**
Damage 203
- Radio**
Activating 428
Activating/deactivating radio text 430
Activating/deactivating traffic announcements 429
Calling up a slide show 429
Calling up the station list 428
Deleting stations 429
Direct frequency entry 429
Displaying information 430
Displaying radio text 430
Frequency fix 429
Managing favourites 429
Managing station presets 429
Menu (on-board computer) 280

- Moving stations 429
- Overview 428
- Searching for stations 429
- Setting a channel 428
- Setting station tracking 429
- Setting the frequency band 428
- Setting the traffic information service volume increase 430
- Storing radio stations 429
- Radio operating permits** 507
- Radio stations**
 - Selecting (on-board computer) 280
- Rain closing function**
 - Sliding sunroof 89
- Rain-closing feature**
 - Side windows 84
- Range**
 - AqBlue® 277
 - Displaying 279
- REACH regulation** 31
- Reading light**
 - Switching on/off with hand movements 315
- Reading light**
 - see Interior lighting
- Real wood (Care)** 465
- Rear axle steering** 179
- Rear climate control**
 - Setting (MBUX multimedia system) 162
- Rear display**
 - Activating/deactivating 440
 - Home screen overview 441
 - Locking (child safety lock) 326
 - Overview 440
- Rear door (child safety lock)** 64
- Rear fog light**
 - Switching on/off 143
- Rear seat**
 - Seat 100
- Rear seat belt**
 - Status display 41
- Rear seat belt status display** 41
- Rear Seat Entertainment System**
 - Adjusting the ambient lighting 447
 - Adjusting the brightness 448
- Adjusting the rear seats 445
- Calling up services, apps and web browser 450
- Calling up the device manager 448
- Charging the handset 444
- Climate control 446
- Configuring the adaptive rear compartment light 447
- Controlling playback 451
- Handset functions 443
- Handset LED displays 442
- Handset overview 442
- Headphones overview 441
- Information about media mode 450
- MBUX Voice Assistant 453
- Operating safety 439
- Overview 439
- Overview of services, apps and web browsers 450
- Overview of sound settings 452
- Overview of the rear displays 440
- Resetting rear seats 446
- Selecting a massage programme 445
- Selecting sound settings 453
- Selecting system settings 448

- Starting the ENERGIZING COMFORT programme 446
- Switching navigation on 449
- Switching off the handset 444
- Switching on media mode 451
- Switching on the handset 444
- Switching on the radio 452
- Switching on the TV 452
- Switching the display on/off 440
- Telephone functions in the rear compartment 449
- Rear window**
- Roller sunblind 92
- Rear-view mirror**
- see Outside mirrors
- Recycling**
- see Take-back of end-of-life vehicles
- Reducing agent**
- see AdBlue®
- Refrigerator box**
- Removing/fitting 136
- Stowage compartment 137
- Using 135
- Refuelling**
- Refuelling the vehicle 189
- Topping up AdBlue® 193
- Registration**
- Vehicle 30
- Remote control (stationary heater/ventilation)**
- Displays 167
- Problems 168
- Replacing the battery 167
- Setting 166
- Remote Online**
- Charging the battery 175
- Cooling or heating the vehicle interior 175
- Starting the vehicle 175
- Rescue card** 32
- Reserve**
- Fuel 567
- Reset function (multimedia system)** 329
- Residual heat** 163
- Rear operating unit 163
- Restoring (factory settings)**
- see Reset function (multimedia system)
- Restraint system** 35
- Basic instructions for children 51
- Function in an accident 36
- Functionality 35
- Malfunction 36
- Protection 35
- Reduced protection 35
- Self-test 35
- Warning lamp 35
- Reverse gear**
- Inserting 186
- Reversing camera** 240
- Care 464
- Function 240
- Rims (Care)** 464
- ROAD SURFACE SCAN**
- Multifunction camera 237
- ROAD SURFACE SCAN**
- see Camera
- Roll away protection**
- see HOLD function

- Roller sunblind** 91
 - Opening/closing on the rear window (MBUX Interior Assistant) 316
 - Opening/closing on the roof (MBUX Interior Assistant) 316
 - Panoramic sliding sunroof 86
 - Rear window 92
 - Side windows (electric) 91
 - Roof lining (care)** 465
 - Roof load** 572
 - Roof luggage rack**
 - Loading 129
 - Securing 129
 - Route** 340, 345
 - Accepting a detour recommendation after a prompt 341
 - Activating a commuter route 346
 - Calculating 340
 - Calculating alternative routes 341, 345
 - Displaying destination information 343
 - Displaying the route list 345
 - Editing a stored route 348
 - Planning 344
 - Recording a route 348
 - Saving a recorded route 348
 - Selecting a type 341
 - Selecting an alternative route 345
 - Selecting notifications 342
 - Selecting options 342
 - Showing a stored route on the map 347
 - Starting a saved route 348
 - Starting the automatic service station search 347
 - Switching the automatic filling station search on/off 347
 - Route guidance** 349
 - Cancelling 353
 - Changing direction 349
 - Destination reached 352
 - Lane recommendations 351
 - Motorway information 352
 - Notes 349
 - Off-road 353
 - Route guidance with augmented reality**
 - Activating 358
 - Displaying street names and house numbers 359
 - Overview 358
 - Switching on display of traffic lights 258
 - Route-based speed adaptation**
 - Function 223
 - Setting 224
 - Run-flat characteristics**
 - MOExtended tyres 470
 - Running-in notes** 176
- S**
- Safety systems**
 - see Driving safety system
 - Safety vest** 467
 - Satellite map** 365
 - Search light**
 - Switching on/off using hand movements 315
 - Seat** 96
 - Adjusting (electrically) 96
 - Adjusting the front passenger seat from the rear 99
 - Automatic seat adjustment 106
 - Configuring the settings 106
 - Correct driver's seat position 96

- ENERGIZING seat kinetics 330
 Message programme overview 107
 Operating the memory function 113
 Panel heating 109
 Pre-setting the driver's seat position (MBUX Interior Assistant) 315
 Rear (adjusting electrically) 100
 Resetting rear seats (Rear Seat Entertainment System) 446
 Resetting the settings 108
 Selecting a massage programme (Rear Seat Entertainment System) 445
 Setting automatic lateral support adjustment 107
 Setting options 12
 Setting rear seats (Rear Seat Entertainment System) 445
 Setting the fully reclined position 101
 Workout programme overview 107
- Seat**
 see Front passenger seat
- Seat (rear)** 14
 Setting options 14
- Seat belt** 37, 41
 Activating/deactivating seat belt adjustment 41
 Adjusting the height 40
 Belt airbag 39
 Care 465
 Fastening 40
 Protection 37
 Rear seat belt status display 41
 Reduced protection 38
 Releasing 41
 Seat belt adjustment (function) 41
 Seat belt extender 40
 Warning lamp 41
- Seat belt adjustment**
 Activating/deactivating 41
 Function 41
- Seat belt extender** 40
- Seat belt tensioners**
 Activation 36
- Seat belt warning**
 see Seat belt
- Seat cover (Care)** 465
- Seat heater**
 Activating/deactivating 108
- Seat kinetics**
 Setting 330
- Seat kinetics**
 see ENERGIZING COMFORT
- Seat ventilation**
 Switching on/off 110
- Second telephone**
 Connecting 373
- Selecting a gear**
 see Changing gears
- Selecting the sound profile**
 Burmester® high-end 4D surround sound system 439
 Burmester® 3D-surround sound system 437
- Selector lever**
 see DIRECT SELECT lever
- Self-test**
 Automatic front passenger front air-bag shutoff 47
- Sensors (Care)** 464

- Service**
 Menu (on-board computer) 277
- Service**
 see ASSYST PLUS
- Service centre**
 see Qualified specialist workshop
- Service interval display**
 see ASSYST PLUS
- Service station search**
 Starting automatic search 347
- Services**
 Calling up (Rear Seat Entertainment System) 450
 Overview (Rear Seat Entertainment System) 450
- Setting a speed**
 see Cruise control
- Setting the date format** 322
- Setting the distance unit** 327
- Setting the footwell temperature**
 Setting 162
- Setting the map scale**
 see Map
- SETUP (on-board computer, Performance menu)** 278
- Shift paddles**
 see Steering wheel gearshift paddles
- Shifting gears**
 Gearshift recommendation 188
- Short messages**
 see Messages
- Side airbag** 42
- Side windows** 82
 Automatic function 84
 Child safety lock in the rear 65
 Closing 82
 Closing using the key 85
 Convenience closing 85
 Convenience opening 85
 Opening 82
 Opening with the key 85
 Problem 85
 Rain-closing feature 84
 Roller sunblind (electric) 91
- Sliding sunroof** 86
 Automatic functions 89
 Closing 86
- Closing using the key 85
 Opening 86
 Opening with the key 85
 Opening/closing (MBUX Interior Assistant) 316
 Problem 90
 Rain closing function 89
- Smart card**
 Inserting 435
- Smartphone**
 Locking the vehicle 72
 Unlocking the vehicle 72
- Smartphone**
 see Android Auto
 see Apple CarPlay®
 see Mercedes-Benz Link
 see Telephone
- Snow chain mode**
 Activating/deactivating 491
- Snow chains** 490
- Socket (12 V)**
 Rear 133

- Socket (230 V)** 133
- Rear 133
- Sound**
- PRE-SAFE® Sound 49
- Wheels and tyres 490
- Sound**
- see Burmester® 3D-surround sound system
- see Burmester® high-end 4D surround sound system
- see Tone settings
- Sound settings**
- Adjusting the balance/fader 436
- Adjusting treble, mid-range and bass settings 436
- Automatic loudness adjustment 436
- Spare wheel**
- see Emergency spare wheel
- Speech dialogue system**
- see MBUX Voice Assistant
- Speed limitation for winter tyres**
- Setting 218
- Speedometer**
- Digital 279
- Setting 428
- Storing 429
- Station list**
- Calling up 428
- Station presets**
- Managing 429
- Station tracking**
- Setting 429
- Stationary heater/ventilation**
- Displays (remote control) 167
- Problems (remote control) 168
- Replacing the battery (remote control) 167
- Setting (MBUX multimedia system) 166
- Setting (remote control) 166
- Switching on/off (control panel) 165
- STEER CONTROL**
- Function/notes 207
- Steering**
- Rear axle steering 179
- Steering wheel**
- Adjusting (electrically) 110
- Buttons 273
- Activating/deactivating 202
- Function 202
- Standing lights** 142
- Start/stop button**
- Parking the vehicle 195
- Starting the vehicle 173
- Switching on the power supply or ignition 172
- Start/stop function**
- see ECO start/stop function
- Starting assistance**
- see Jump-start connection
- Starting the engine**
- see Vehicle
- Starting-off aid**
- see Hill Start Assist
- Station**
- Deleting 429
- Direct frequency entry 429
- Frequency fix 429
- Moving 429
- Searching 429

- Operating the memory function 113
- Steering wheel heater 111
- Steering wheel gearshift paddles** 187
- Steering wheel heater**
 - Activating/deactivating 112
 - Switching on/off 111
- Stowage areas**
 - see Stowage compartment
- Stowage compartment** 120
 - Armrest 120
 - Centre console 120
 - Door 120
 - Glove box 120
 - Handset (rear) 122
 - Luggage net hooks 123
 - Rear armrest 121
 - Rear seat backrest 122
- Stowage compartments**
 - see Stowage compartment
- Stowage space under the boot floor** 127
- Sulphur content** 564
- Surround lighting**
 - Switching on/off 149
- Surround View**
 - see 360° Camera
- Suspension**
 - Setting the suspension level (AIR-MATIC) 233
- Suspension**
 - see AIRMATIC
 - see E-ACTIVE BODY CONTROL
- Suspension level (AIRMATIC)**
 - Setting 233
- SVHC (substances of very high con-
cern)** 31
- Switch-off delay time**
 - Exterior 149
 - Interior 151
- Synchronisation function**
 - Activating/deactivating (MBUX mul-
timedia system) 162
- System settings**
 - Activating/deactivating voice ampli-
fication to rear 322
 - Reset function (multimedia system) ... 329
 - Setting the distance unit 327
- Technical data**
 - Information 505
 - Notes (trailer hitch) 572
 - Radio operating permits 507
- Tank content**
 - AdBlue® 567
 - Fuel 567
 - Reserve (fuel) 567
- Tailpipes (Care)** 464
- Take-back of end-of-life vehicles** 20
- Protection of the environment 20
- Tank content**
 - AdBlue® 567
 - Fuel 567
 - Reserve (fuel) 567
- Technical data**
 - Information 505
 - Notes (trailer hitch) 572
 - Radio operating permits 507
- Setting the time zone** 321
- Setting the time/date format** 322
- Switching NFC on/off** 323
- Switching transmission of the vehicle
position on/off** 323
- System settings**
 - see Bluetooth®
 - see Language
- System update**
 - Updating software 327





















- Vehicle identification plate 561
- Telephone**
 - Activating functions during a call 371, 376
 - Call waiting (car telephony) 380
 - Calls with several participants 379
 - Car telephony (changing configuration) 381
 - Car telephony (changing configuration) 416
 - Car telephony (establishing an Internet connection) 416
 - Car telephony settings 379
 - Changing a function 373
 - Connecting a mobile phone (car telephony) 377
 - Connecting a mobile phone (Near Field Communication (NFC)) 374
 - Connecting a mobile phone (Pass-key) 372
 - Connecting a mobile phone (Secure Simple Pairing) 372
 - Connecting the SIM card (car telephony) 378
 - Conveying the telephone number (car telephony) 379
 - Data use language (car telephony) 380
 - Disconnecting a mobile phone 374
- Forwarding a call (car telephony) 380
- Importing contacts 383
- Importing contacts (overview) 383
- Incoming call during an existing call 381
- Information 372
- Interchanging mobile phones 373
- Locking the vehicle (mobile phone) 72
- Mobile phone voice recognition 376
- Network provider (car telephony) 380
- Notes 370
- Operating modes 372
- Overview of car telephony 376
- Reception and transmission volume 375
- Replacing mobile phones 374
- Setting the ringtone 376
- Setting the SIM card (car telephony) ... 379
- Starting the vehicle (mobile phone) 173
- Status of the SIM PIN 378
- Switching mobile phones (Near Field Communication (NFC)) 374
- Symbols of car telephony 377
- Telephone menu overview 371
- Telephone operation 380
- Unlocking the vehicle (mobile phone) 72
- Using Near Field Communication (NFC) 374
- Wireless charging (mobile phone in the rear) 140
- Telephone operation**
 - see Calls
- Telephony operating modes**
 - Bluetooth® Telephony 372
 - Making calls in the vehicle 372
- Teletext**
 - Displaying 434
 - Overview 434
- Temperature**
 - Engine oil (on-board computer, Performance menu) 278
 - Transmission oil (on-board computer, Performance menu) 278
- Text messages**
 - see Messages
- Themes**
 - Calling up 299
 - Deleting 300
 - Fastening 299
 - Modifying 299
 - Overview 298



- Through-loading feature**
 - Locking 124
- Through-loading feature in the rear compartment**
 - Opening 123
- Time**
 - Manual time setting 322
 - Setting the time zone 321
 - Setting the time/date format 322
- TIREFIT kit**
 - Declaration of conformity 29
 - Storage location 470
 - Using 471
- Toll system**
 - Windscreen 158
- Tone settings**
 - Calling up the sound menu 436
 - Information 436
- Tool**
 - see Vehicle tool kit
- Top Tether** 62
- Torque (on-board computer, Performance menu)** 278
- Total distance** 279
 - Displaying 279
- Touch Control**
 - On-board computer 274
 - Operating 292
 - Setting acoustic operating feedback ... 292
 - Setting the sensitivity 292
- Touch-sensitive controls** 22
- Touchscreen (central display)**
 - Entering characters 307
 - Operating 292
- Tow-away protection**
 - Function 94
 - Priming/deactivating 95
- Tow-bar system** 271
- Tow-starting** 485
- Towing away** 482
- Towing eye**
 - Installing 484
 - Storage location 484
- Towing methods** 481
- Traffic announcements**
 - Activating/deactivating 429
- Traffic information**
 - Car-to-X-Communication 354
 - Displaying the traffic map 357
 - Displaying traffic incidents 355
 - Extending a Live Traffic Information subscription 355
 - Live Traffic Information 355
 - Overview 354
 - Registering Live Traffic Information 355
 - Switching on the display 357
- Traffic map**
 - see Map
- Traffic Sign Assist** 255
 - Function/notes 255
 - Setting 257
 - System limitations 255
- Trailer hitch**
 - Bicycle rack 269
 - Care 464
 - Coupling up/uncoupling a trailer 267
 - Extending/retracting the ball neck 265
 - General notes 572

- Notes 264
- Socket 267
- Trailer operation**
- Active Blind Spot Assist 260
- Active Lane Keeping Assist 262
- Bicycle rack 269
- Coupling up/uncoupling a trailer 267
- Extending/retracting the ball neck 265
- Folding the ball coupling in/out 266
- (MBUX multimedia system) 264
- Notes 267
- Socket 267
- Trailer stabilisation**
- Function/notes 206
- Trailer tow hitch**
- Folding the ball coupling in/out (MBUX multimedia system) 266
- Transferred vehicle data**
- Android Auto 398
- Apple CarPlay® 398
- Transmission of the vehicle position**
- Activating/deactivating 323
- Transmission position display** 185
- Transporting**
- Loading guidelines 119
- Vehicle 483
- Trim element (Care)** 465
- Trip**
- Menu (on-board computer) 279
- Trip computer**
- Displaying 279
- Trip distance**
- Displaying 279
- Trip meter**
- see Trip distance
- TuneIn** 420
- Calling up 420
- Calling up the station list (category last selected) 421
- Deleting stations 421
- Logging out 421
- Overview 420
- Registering 421
- Saving stations 421
- Selecting and connecting to a station 421
- Selecting stream 421
- Setting options 421
- Terms of use 421
- Turn signal indicator**
- see Turn signal lights
- Turn signal lights** 144
- Switching on/off 144
- TV**
- Activating 430
- Adjusting the brightness 434
- Calling up the menu (CI+ module) 435
- Overview 430
- Picture settings 434
- Setting subtitles 434
- Setting the audio language 433
- Showing teletext 434
- Showing/hiding full screen 431
- Teletext overview 434
- TV channel**
- Activating/deactivating channel fix 432
- Channel fix 432
- Channel list overview 433
- Country-specific character set 432
- EPG (electronic programme guide) 432
- Overview of favourites 433

- Selecting from the channel list 431
- Selecting from the control menu 431
- Selecting from the favourites 431
- Selecting in the background 432
- Storing 433
- Two-way radios**
- Frequencies 506
- Notes on installation 505
- Transmission output (maximum) 506
- Tyre inflation compressor**
- see TIREFIT kit
- Tyre pressure** 492
- Checking (tyre pressure monitoring system) 493
- Notes 491
- Restarting the tyre pressure monitoring system 494
- TIREFIT kit 471
- Tyre pressure monitoring system (function) 493
- Tyre pressure table 492
- Tyre pressure monitor**
- Function 493
- Restarting the tyre pressure monitoring system 494
- Selection 494
- Snow chains 490
- Storing 498
- TIREFIT kit 471
- Tyre pressure (Notes) 491
- Tyre pressure monitoring system (function) 493
- Tyre pressure table 492
- Unusual handling characteristics 490
- U**
- Units of measurement**
- Setting 327
- Unlocking setting** 68
- Update**
- see Updating software
- Updating software** 328, 329
- Fault message 329
- Information 327
- Performing 328
- USB port** 134
- Tyre pressure monitoring system**
- Checking the tyre pressure 493
- Restarting 494
- Tyre pressure table** 492
- Tyre temperature**
- Tyre pressure monitoring system (function) 493
- Tyre tread** 490
- Tyre-change tool kit**
- Overview 498
- Tyres**
- Changing hub caps 499
- Checking 490
- Checking the tyre pressure (tyre pressure monitoring system) 493
- Fitting 502
- Flat tyre 469
- Interchanging 497
- MOExtended tyres 470
- Noise 490
- Notes on fitting 494
- Removing 502
- Replacing 494, 499

- User profiles** 294
- Adding a user 295
- Notes 294
- Overview 294
- Requirements for use 294
- Selecting a user 297
- Selecting user options 296
- Synchronising 298
- User-specific content 294
- V**
- Vehicle** 174
- Activating/deactivating standby mode 202
- Additional door lock 71
- Collision detection (parking) 201
- Correct use 31
- Data acquisition 32
- Data storage 32
- Diagnostics connection 29
- Equipment 22
- Implied warranty 31
- Locking (automatically) 74
- Locking (digital vehicle key sticker) 72
- Locking (from the inside) 72
- Locking (KEYLESS-GO) 72
- Locking (mobile phone) 72
- Unlocking (digital vehicle key sticker) 72
- Unlocking (from the inside) 72
- Unlocking (mobile phone) 72
- Ventilating (convenience opening) 85
- Locking (KEYLESS-GO) 73
- Locking (mobile phone) 72
- Locking/unlocking (emergency key) 75
- Lowering 503
- Medical aids 31
- Parking up 202
- QR code rescue card 32
- Qualified specialist workshop 30
- Raising 500
- REACH regulation 31
- Registration 30
- Standby mode function 202
- Starting (Digital Vehicle Key sticker) 173
- Starting (emergency operation mode) 174
- Starting (mobile phone) 173
- Starting (Remote Online) 175
- Starting (start/stop button) 173
- Switching off (start/stop button) 195
- Towing 271
- Unlocking (digital vehicle key sticker) 72
- Unlocking (from the inside) 72
- Unlocking (KEYLESS-GO) 73
- Unlocking (mobile phone) 72
- Ventilating (convenience opening) 85
- Vehicle data**
- Displaying (DYNAMIC SELECT) 184
- Roof load 572
- Transferring to Android Auto 398
- Transferring to Apple CarPlay® 398
- Vehicle height 571
- Vehicle length 571
- Vehicle width 571
- Wheelbase 571
- Vehicle dimensions** 571
- Vehicle identification number**
- see VIN
- Vehicle identification plate** 561
- EU general operating permit number 561
- Paint code 561
- Permissible axle load 561
- Permissible gross mass 561
- VIN 561
- Vehicle interior**
- Cooling or heating (Remote Online) 175
- Vehicle key**
- see Key
- Vehicle maintenance**
- see ASSYST PLUS

- Vehicle position** 353
 Saving 353
 Sharing 353
- Vehicle tool kit** 470
 TIREFIT kit 470
 Towing eye 484
- Ventilating**
 Convenience opening 85
- Vents**
 see Air vents
- Video conference**
 In-Car Office 391
- VIN** 561
 Identification plate 561
 Seat 561
 Windscreen 561
- Vision**
 Demisting windows 162
 Windscreen heating 164
- Voice amplification to the rear**
 Activating/deactivating 322
- Voice control system**
 see MBUX Voice Assistant
- W**
- Warm-up (on-board computer, Performance menu)** 278
- Warning lamp**
 see Indicator/warning lamp
- Warning system**
 see ATA (anti-theft alarm system)
- Warning triangle**
 Removing 468
 Setting up 468
- Warning/indicator lamp**
 ABS warning lamp 645
 Brake system warning lamp (red) 643
 Brake system warning lamp (yellow) 642
 Coolant warning lamp 639
 Electric parking brake indicator lamp (red) 642
 Electrical fault warning lamp 641
 Engine diagnosis warning lamp .. 640
-  ESP® OFF warning lamp 647
 ESP® warning lamp flashes 646
 ESP® warning lamp lights up 646
 Fuel reserve warning lamp lights up 641
 Rear axle steering warning lamp 638
 Restraint system warning lamp .. 635
 Seat belt warning lamp flashes .. 635
 Seat belt warning lamp lights up 636
 Suspension warning lamp .. 644, 645
 The electric parking brake (yellow) indicator lamp 642
 Trailer tow hitch warning lamp ... 636
 Tyre pressure monitoring system warning lamp flashes 648
 Tyre pressure monitoring system warning lamp lights up 648

-  Warning lamp for distance 419
- warning function 644
-  Warning lamp for electric power steering 637
- Warning/indicator lamps**
PASSENGER AIR BAG 47
- Warranty** 31
- Washer fluid**
see Windscreen washer fluid
- Washing by hand (care)** 462
- Water tank**
see Air-water duct
- Weather information** 365
- Web browser**
Calling up (Rear Seat Entertainment System) 450
Calling up a web page 418
Calling up the settings 419
Calls up options 419
Deleting a bookmark 419
Deleting Internet history 419
Ending 420
- Managing bookmarks 419
Overview 419
- Web browsers**
Overview (Rear Seat Entertainment System) 450
- Websites**
Calling up 418
- What3words**
Destination entry with a 3 word address 338
- Wheel change**
Fitting a new wheel 502
Lowering the vehicle 503
Preparation 499
Raising the vehicle 500
Removing a wheel 502
Removing/fitting hub caps 499
- Wheel change**
see Emergency spare wheel
- Wheel rotation** 497
- Wheels**
Care 464
Changing hub caps 499
- Checking 490
- Checking the tyre pressure (tyre pressure monitoring system) 493
- Fitting 502
- Flat tyre 469
- Interchanging 497
- MOExtended tyres 470
- Noise 490
- Notes on fitting 494
- Removing 502
- Replacing 494, 499
- Restarting the tyre pressure monitoring system 494
- Selection 494
- Snow chains 490
- Storing 498
- TIREFIT kit 471
- Tyre pressure (Notes) 491
- Tyre pressure monitoring system (function) 493
- Tyre pressure table 492
- Unusual handling characteristics 490
- Wi-Fi** 324
Activating/deactivating 324
Setting up an Internet connection 415

- Wi-Fi**
 - see Wi-Fi
 - see Wi-Fi connection
- Wi-Fi connection**
 - Information 324
 - Information 324
- Wi-Fi hotspot**
 - Configuring 325
- Widescreen cockpit instrument display**
 - Instrument cluster 8
 - Instrument cluster 42
- Window airbag** 42
- Windows**
 - see Side windows
- Windows (Care)** 464
- Windscreen**
 - Infrared reflective 154
 - Radio waves 158
 - Replacing wiper blades (MAGIC VISION CONTROL) 154
- Windscreen**
 - see Windscreen
 - see Windshield
- Windscreen heating** 164
 - Replacing (MAGIC VISION CONTROL) 154
- Wipers**
 - see Windscreen heating
- Windscreen washer fluid** 570
 - Notes 570
- Windscreen washer system**
 - Topping up 460
- Windscreen wipers**
 - Changing the wiper blades 152
 - Replacing wiper blades (MAGIC VISION CONTROL) 154
 - Switching on/off 151
- Windshield** 152
 - Changing the wiper blades 152
- Winter operation**
 - Activating/deactivating snow chain mode 491
 - Snow chains 490
- Winter tyres**
 - Setting the permanent speed limitation 218
- Wiper blades**
 - Care 464
 - Replacing 152
- Wireless charging**
 - Function/notes 138
 - Mobile phone 139
 - Mobile phone (rear) 140
- Wireless vehicle components**
 - Declaration of conformity 24
- Workout program**
 - Overview 107
- Workshop**
 - see Qualified specialist workshop

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

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Documentation team

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:

Mercedes-Benz AG, HPC: CAC, Customer Service, 70546 Stuttgart, Germany

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Vehicle manufacturer

Mercedes-Benz AG

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70372 Stuttgart

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