



BMW Motorrad

Rider's Manual

Vehicle data/dealership details

Vehicle data	Dealers
Model	Person to
Vehicle Identification Number	Ms/Mr
Colour code	Phone nu
Date of first registration	
Registration number	Dealership

Dea	alership details
Pers	son to contact in Service department
Ms/N	Mr
Pho	ne number
Deal pany	lership address/phone number (com- / stamp)

Welcome to BMW

We congratulate you on your choice of a vehicle from BMW Motorrad and welcome you to the community of BMW riders. Familiarise yourself with your new vehicle so that you can ride it safely and confidently in all traffic situations.

About these operating instructions

Read these operating instructions carefully before starting to use your new BMW. They contain important information on how to operate the controls and how to make the best possible use of all your BMW's technical features. In addition, they contain information on maintenance and care to help you maintain your vehicle's reliability and safety, as well as its value. The record of the maintenance work you have had performed on your vehicle is a precondition for generous treatment of goodwill claims.

If the time comes to sell your BMW, please remember to hand over these operating instructions to the new owner. They are an important part of the vehicle.

Suggestions and criticism

If you have questions concerning your vehicle, your authorised BMW Motorrad retailer will gladly provide advice and assistance.

We hope you will enjoy riding your BMW and that all your journeys will be pleasant and safe

BMW Motorrad.



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Overview

Chapter 2 of this Rider's Manual will provide you with an initial overview of your motorcycle. All maintenance and repair work on the vehicle is documented in Chapter 11. This record of the maintenance work you have had performed on your vehicle is a precondition for generous treatment of goodwill claims. When the time comes to sell your BMW, please remember to hand over this Rider's Manual; it is an important part of the motorcycle.

Abbreviations and symbols

CAUTION Low-risk hazard. Non-avoidance can lead to slight or moderate injury. WARNING Medium-risk hazard. Non-avoidance can lead to fatal or severe injury.

DANGER High-risk hazard. Non-avoidance leads to fatal or severe injury.

ATTENTION Special notes and precautionary measures. Non-compliance can lead to damage to the vehicle or accessory and, consequently, to voiding of the warranty.

- **NOTICE** Specific instructions on how to operate, control, adjust or look after items of equipment on the vehicle.
- Indicates the end of an item of information.
 - Instruction.

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Result of an activity.

- Reference to a page with more detailed information.
- Indicates the end of a passage relating to specific accessories or items of equipment.



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NV

Tightening torque.

Technical data.

- National-market version.
- OE Optional equipment. The vehicles are assembled complete with all the BMW Motorrad optional equipment originally ordered.

OA Optional accessories. You can obtain BMW Motorrad optional accessories through your authorised BMW Motorrad dealer; optional accessories have to be retrofitted to the vehicle.

- ABS Anti-lock brake system.
- D- Electronic chassis and ESA suspension adjustment.
- DTC Dynamic Traction Control.
- DWA Anti-theft alarm.
- EWS Electronic immobiliser.
- RDC Tyre pressure monitoring.

Equipment

When you purchased your BMW motorcycle, you chose a model with individual equipment. These operating instructions describe the optional equipment (OE) offered by BMW and selected optional accessories (OA). This explains why the manual may also contain descriptions of equipment that you might not have selected. Please note, too, that on account of country-specific differences, your motorcycle might not be exactly as illustrated.

If your motorcycle contains equipment that has not been described, its description can be found in a separate manual.

Technical data

All dimensions, weights and power ratings stated in the operating instructions are quoted to the standards and comply with the tolerance requirements of the Deutsches Institut für Normung e.V. (DIN).

Technical data and specifications in this rider's manual serve as reference points. The vehiclespecific data may deviate from these, for example as a result of selected optional equipment. the national-market version or country-specific measuring procedures. Detailed values can be taken from the vehicle registration documents and signs on the vehicle, or can be obtained from your authorised BMW Motorrad retailer or another qualified service partner or specialist workshop. The specifications in the vehicle documents always have priority

over the information provided in this rider's manual.

Currency

The high safety and quality standards of BMW motorcycles are maintained by constant development work on designs, equipment and accessories. Because of this, your motorcycle may differ from the information supplied in the Rider's Manual. Nor can BMW Motorrad entirely rule out errors and omissions. We hope you will appreciate that no claims can be entertained on the basis of the data, illustrations or descriptions in these operating instructions.

Additional sources of information

Authorised BMW Motorrad retailer

Your BMW Motorrad retailer will be happy to answer any questions you may have.

Internet

The operating instructions for your vehicle, operating and installation instructions for accessories and general information about BMW Motorrad, in relation to technology, for example, are available for download from www.bmw-motorrad.com/ manuals.

Certificates and operating licences

The certificates for the vehicle and the official operating licences for accessories can be downloaded from **bmwmotorrad.com/certification**.

Data memory

General

Control units are installed in the vehicle. Control units process data that they receive, for example, from vehicle sensors, or that they generate themselves or exchange between each other. Some control units are required for the vehicle to function safely or provide assistance during riding, for example assistance systems. In addition, control units enable comfort or infotainment functions.

Information on data that has been stored or exchanged can

General instructions

be obtained from the manufacturer of the vehicle, for example via a separate booklet.

Personal reference

Each vehicle is identified with a clear vehicle identification number. Depending on the country, the vehicle identification number, the number plate and the corresponding authorities can be referenced to ascertain the vehicle owner. There are also other ways to use data obtained from the vehicle to trace the rider or vehicle owner, for example using the ConnectedDrive user account.

Data protection rights

In accordance with applicable data protection laws, vehicle users have certain rights in relation to the manufacturer of the vehicle or in relation to companies which collect or process personal data.

Vehicle users have the right to obtain full information at no cost from persons or entities storing personal data of the vehicle user. These entities may include:

- Manufacturer of the vehicle
- Qualified service partners
- Specialist workshops
- Service providers

Vehicle users have the right to request information on what personal data has been stored, for what purpose the data is used, and where the data comes from. To obtain this information, proof of ownership or use is required. The right to information also includes information about data that has been shared with other companies or entities.

The website of the vehicle manufacturer contains the applicable data protection information. This data protection information includes information on the right to have data deleted or corrected. The manufacturer of the vehicle also provides their contact details and those of the data protection officer on their website.

The vehicle owner can also request that a BMW Motorrad retailer or another qualified service partner or specialist workshop read out the data that is stored in the vehicle for a charge. The vehicle data is read out using the legally prescribed socket for on-board diagnosis (OBD) in

Legal requirements for the disclosure of data

the vehicle

As part of its legal responsibilities, the manufacturer of the vehicle is obligated to make its stored data available to the relevant authorities. This data is provided in the required scope in **1** 10 individual cases, for example to clarify a criminal offence. In the context of applicable laws, public agencies are entitled in individual cases to read out data from the vehicle themselves.

Operating data in the vehicle

Control units process data to operate the vehicle.

This includes, for example:

- Status reports of the vehicle and its individual components, for example wheel revolutions, wheel speed, deceleration
- Environmental conditions, for example temperature

The data is only processed in the vehicle itself and is generally non-permanent. The data is not stored beyond the operating period.

Electronic components, for example control units, contain components for storing technical information. Information can be temporarily or permanently stored on the vehicle condition, component loads, incidents or errors. This information is generally used to document the condition of a component, a module, a system or the surrounding area, for example:

- Operating conditions of system components, for example filling levels, tyre pressure
- Malfunctions and faults in important system components, for example light and brakes
- Response of the vehicle in special riding situations, for example engagement of the driving dynamics systems
- Information on incidents resulting in damage to the vehicle

The data is necessary for the provision of control unit functions. Furthermore, the data is used to detect and rectify malfunctions

and to enable the vehicle manufacturer to optimise vehicle functions.

The vast majority of this data is non-permanent and is only processed in the vehicle itself. Only a small amount of the data is stored in incident or fault memories as required by events.

If services are accessed, for example repairs, service processes, warranty cases and quality assurance measures, this technical information can be read out of the vehicle together with the vehicle identification number.

The information can be read out by a BMW Motorrad retailer or another qualified service partner or specialist workshop. The legally stipulated socket for onboard diagnosis (OBD) in the vehicle is used to read out the data.

The data is obtained, processed and used by the relevant parts of

the retailer network. The data is used to document the technical conditions of the vehicle, to help with error localization, to comply with warranty obligations and to improve quality.

In addition, the manufacturer has various product monitoring obligations arising from product liability legislation. To meet these obligations, the vehicle manufacturer requires technical data from the vehicle. The data from the vehicle can also be used to check warranty claims from the customer.

Error and incident memories in the vehicle can be reset during servicing or repair work by a BMW Motorrad retailer or another qualified service partner or specialist workshop.

Data input and data transfer in the vehicle

General

Depending on the equipment, comfort and customised settings can be stored in the vehicle and can be changed or reset at any time.

This includes, for example:

- Settings of the windscreen position
- Chassis and suspension settings

If required, data can be entered in the entertainment and communication system of the vehicle, for example using a smartphone. Depending on the individual equipment, this includes:

- Multimedia data, such as music for playback
- Contacts data for use in connection with a communication system or an integrated navigation system

- Entered destinations
- Data on the use of internet services. This data can be stored locally in the vehicle or is located on a device that is connected to the vehicle, for example smartphone, USB stick, MP3 player. If this data is stored in the vehicle, the data can be deleted at any time.

This data is transferred to third parties only if personally requested within the context of using online services. This depends on the selected settings when using the services.

Incorporation of mobile devices

Depending on the equipment, mobile devices connected to the vehicle, for example smartphones, can be controlled using the operating elements of the vehicle. The image and sound of the mobile device can then be output via the multimedia system. At the same time, specific information is transferred to the mobile device. Depending on the type of integration, this includes, for example, position data and additional general vehicle information. This enables optimal use of the selected apps, for example navigation or music playback. The type of additional data processing is determined by the provider of the respective app. The scope of the possible settings depends on the corresponding app and the operating system of the mobile device.

Services

General

If the vehicle has a wireless connection, this enables the exchange of data between the vehicle and other systems. The wireless connection is enabled by the vehicle's own transmitter and receiver unit or using personally integrated mobile devices, for example smartphones. Online functions can be used using this wireless connection. These include online services and apps that are provided by the vehicle manufacturer or by other providers.

Services of the vehicle manufacturer

For online services of the vehicle manufacturer, the individual functions are described at suitable points, for example rider's manual, website of the manufacturer. At the same time, information is also provided on the relevant data protection law. Personal data may be used to provide online services. Data is exchanged using a secure connection, for example with the IT systems provided by the vehicle manufacturer.

Obtaining, processing and using personal data outside of the normal provision of services requires legal permission, contractual agreement or consent. It is also possible to have the entire data connection activated or deactivated. Statutory functions are excluded from this.

Services from other providers

When using online services from other providers, these services are subject to the responsibility and the data protection and operating conditions of the individual provider. The vehicle manufacturer has no influence on the content that is exchanged in this instance. Information on the type, scope and purpose of the data capture and use of personal data as part of the services of third parties can be ascertained from the individual provider.

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Intelligent emergency call system

 with intelligent emergency call^{OE}

Principle

The intelligent emergency call system enables manual or automatic emergency calls, for example in the event of an accident.

The emergency calls are received by an emergency call centre that is commissioned by the vehicle manufacturer. For information on operating the intelligent emergency call system and its functions, please refer to "Intelligent emergency call".

Legal basis

Processing of personal data using the intelligent emergency call system is in line with the following regulations:

- Protection of personal data: Directive 95/46/EC of the European Parliament and of the Council.
- Protection of personal data: Directive 2002/58/EC of the European Parliament and of the Council.

The legal basis for the activation and function of the intelligent emergency call system is the concluded ConnectedRide contract for this function, as well as the corresponding laws, ordinances and directives of the European Parliament and of the European Council.

The relevant ordinances and directives regulate the protection of natural persons during the processing of personal data. The processing of personal data by the intelligent emergency call system satisfies the European directives for the protection of personal data.

The intelligent emergency call system processes personal data only with the agreement of the vehicle owner.

The intelligent emergency call system and other services with additional benefits can process personal data only with the express permission of the person affected by the data processing, for example the vehicle owner.

SIM card

The intelligent emergency call system operates via the mobile phone network using the SIM card installed in the vehicle. The SIM card is permanently logged into the mobile phone network to enable rapid connection setup. Data is sent to the vehicle manufacturer in the event of an emergency.



Improving quality

The data that is transferred in an emergency is also used by the manufacturer of the vehicle to improve product and service quality.

Location determination

The position of the vehicle can be determined exclusively by the mobile phone network provider based on the mobile phone site locations. It is not possible for the provider to trace a connection between the vehicle's VIN and the phone number of the installed SIM card. Only the manufacturer of the vehicle can link a VIN and the phone number of the SIM card installed in a particular vehicle.

Log data of emergency calls

The log data of emergency calls is stored in a memory of the vehicle. The oldest log data is regularly deleted. The log data includes, for example, information on when and where an emergency call was made. In exceptional cases, the log data can be read out of the vehicle memory. As a rule, log data is only read out following a court order, and this is only possible if the corresponding devices are connected directly to the vehicle.

Automatic emergency call

The system is designed so that, following a sufficiently serious accident, which is detected by sensors in the vehicle, an emergency call is automatically activated.

Sent information

When making an emergency call using the intelligent emergency call system, the system forwards the same information to the designated emergency call centre as is forwarded to the public emergency operations centre by the statutory emergency call system eCall.

In addition, the intelligent emergency call system sends the following additional information to an emergency call centre commissioned by the vehicle manufacturer and, if required, to the emergency services:

- Accident data, for example the direction of impact detected by the vehicle sensors, to assist the emergency services response.
- Contact details, for example the phone number of the installed SIM card and the phone number of the rider, if available, to enable rapid contact with those involved in the accident if required.

Data storage

The data for an activated emergency call is stored in the vehicle. The data contains information on the emergency call, for example the location and time of the emergency call. The voice recordings of the emergency call are stored at the emergency call centre. The voice recordings of the customer are stored for 24 hours in case details of the emergency call need to be analysed. After this, the voice recordings are deleted. The voice recordings of the employee of the emergency call centre are stored for 24 hours for quality assurance purposes.

Information on personal data

The data that is processed as part of the intelligent emergency call is processed exclusively to carry out the emergency call. As part of its statutory obligation, the manufacturer of the vehicle provides information about the data that it has processed and any data that it still has stored. **General instructions**



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General view, left side

- 1 Fuel filler neck (mm 143)
- 2 Operating unit for the audio system
- 3 Seat lock (..... 98)
- 4 Rocker switch for passenger seat heating (IPP 97)
- 5 Payload table Tyre pressures table
- 6 Storage compartment (IIII) 99)
- 7 Slipstream deflector (INP 131)



General view, right side

- Storage compartment (m 99)
 Connect the audio device
 - (🖛 120).
- 2 Power socket (*** 194)
- 3 Brake-fluid reservoir, front (➡ 168)
- 4 Coolant level indicator (behind side panel) (IIII 170)
- **5** Type plate (on the front suspension)
- 6 Slipstream deflector (┉ 131)
- 7 Engine number (above the engine oil filler opening) Vehicle identification number (above the engine oil filler opening on the rear part of the main frame)
- 8 Engine oil filler opening and oil dipstick (IIIIIIIIII) 164)
- 9 Brake-fluid reservoir, rear (
 → 169)

2

General views

General overview, top

- 1 Speakers
- 2 Multifunction display (*** 35)
- **3** Operating panel (m 27)
- 4 Multifunction switch, left (Ⅲ 24)





Underneath the seat

- 1 Battery (m 186)
- 2 Fuses (m 190)
- **3** Standard toolkit (IIII 162)
- 4 Diagnostic connector (┉ 191)



General views

Multifunction switch, left

- 1 High-beam headlight and headlight flasher (IIII→ 72)
- 2 Daytime riding light (IIIII) 74)
- 3 Cruise control (**** 89)
- 4 Hazard warning lights (
 → 75)
- 5 Reverser (*** 70)
- 6 Auxiliary headlights (m 73)
- 7 Windscreen (m 130)
- 8 Turn indicators (m 76)
- 9 Horn
- - ESA (🗰 87)





Multifunction switch, right

- with intelligent emergency call ^{OE}
- 1 Central locking system (IIII) 92)
- 2 Setting riding mode (IIII 88).
- 3 Emergency off switch (kill switch) (┉ 67)
- 4 Engine start (m 136)

General views

Multifunction switch, right

- without intelligent emergency call ^{OE}
- 1 Central locking system (IIII) 92)
- 2 Setting riding mode (IIII 88).
- **3** Emergency off switch (kill switch) (m 67)
- 4 Engine start (m 136)





Operating panel

1

Switch on the audio system (m 104). Switch off the audio system (m 104). Mute (MUTE) (m 106). 2 Select audio source (104). 3 Select tuner mode (110) (111) Select playback mode for external audio devices (122)

- with Canada export^{NV} Select tuner mode (110) (111) Select playback mode for external audio devices (122) Selecting tuner mode for satellite radio (not available

in all countries) (m 115)



Find and save stations automatically (m 109). Station save, manual (m 110).



Instrument panel

Speedometer

2

- with preparation for navigation device^{OE}
 - Release for navigation slot
- 3 Indicator and warning lights (
 → 32)
- 4 Navigation device (m 200)
- 5 Ambient-light brightness sensor (for adapting the brightness of the instrument lighting)
- 6 Engine speed display
- 7 Multifunction display (IIIII) 35)

The brightness of the warning lights and indicator lights, the display and the instrument needle and gauge lighting is adapted automatically to suit ambient brightness.

2

General views



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Indicator and warning lights

- 1 ABS (m 53)
- 2 DTC (m 54)
- 3 Turn indicators, left
- 4 Fuel reserve (im 55)
- 5 Daytime riding light
- 6 High-beam headlight
- 7 Turn indicators, right
- with export to EU markets^{NV}

- 10 Auxiliary headlights (m 73)
- 11 Cruise-control system (IIII) 89)
- 12 General warning light, in combination with warning symbols on the display (m 36)



9

Meaning of symbols



Meaning of the symbols at repair position $\ensuremath{\textbf{1}}$:



Average consumption since the last reset (IIII+ 81)



Current consumption



Range with the available fuel quantity (Imp 54)



Average speed since the last reset (IIII+ 81)

Ambient temperature (IIII) 44)



Tyre pressures (IIII) 47)



Stopwatch (m 81)

Travelling times (IIII 82)



Date (figure depends on adjusted time format) (••• 80)







2 Passenger seat heating switched on

3 Heated grips switched on

4 Rider's seat heating switched on



5 Damping action**6** Loading


Multifunction display

- 2 Operate Hill Start Control Pro (m 91).
- 3 Coolant temperature
- 4 Warning indicators (m 36)
- 5 Menu section (m 76)
 - with ECE audio system and preparation for navigation system^{OE}
 - Area for messages relating to the audio system (IIII) 102)
 - with intelligent emergency call^{OE}

Area for emergency call system displays (IIII 58)

- 6 On-board computer (IIII 81)
 - with tyre pressure control (RDC)^{OE}

RDC displays

 Daytime riding light (m 74)

36

8

- Seat heating (🗰 97)
- Grip heating (m 96)
- ESA settings (m 87)
- 9 Trip distance (m 82)
- **10** Total distance covered
- 11 Clock (**** 80)
- 12 Fuel level
- **13** Gear indicator; "N" indicates neutral.

Warning indicators Mode of presentation

Warnings are indicated by the corresponding warning lights.



Warnings for which there is no dedicated warning light are indicated by 'General' warning light **1** showing in combination with a warning symbol such as, for example, **2** appearing in the multifunction display. The 'General' warning light shows red or yellow, depending on the urgency of the warning. Up to four warning symbols can be displayed at any given time. The status of the 'General' warning light matches the most urgent warning.

The possible warnings are listed on the next pages.

War India light	nings, overview cator and warning ts	Display text	Meaning
		The ice crystal symbol is displayed.	Outside temperature warning (m 44)
4	General warning light lights up yel- low.	The key symbol is displayed.	Electronic immobiliser active (m 44)
		The symbol for "radio-operated key not in reception area" is displayed.	Radio-operated key out of range (IIII 44)
		The battery symbol appears on the display.	Replace the battery of the radio-oper- ated key (m 45)
4	The "General" warning light shows red.	The temperature reading turns red.	Coolant temperature too high (mm 45)
ů	The malfunction indicator lamp lights up.		Emissions warning (🗰 45)

3

Status indicators

3	Indicator and warning lights	Display text	Meaning
38	General warning light lights up yel- low.	The engine symbol is displayed.	Engine fault (🚥 46)
Irs	General warning light flashes yellow.	The engine symbol is displayed.	Major engine fault (🗰 46)
Idicato		The oil-can sym- bol appears on the display.	Engine-oil level too low (🗰 47)
Status ir	The "General" warning light flashes red.	The tyre symbol appears on the display. The crit- ical tyre pressure is shown in red.	Tyre pressure outside permitted toler- ance (me 48)
	General warning light lights up yel- low.	The tyre symbol and "" or "" are displayed.	Sensor defective or system error (🗰 48)
		The tyre symbol and "" or "" are displayed.	Transmission fault (🗰 49)

Indicator and warning lights		Display text		Meaning	3
4	General warning light lights up yel- low.	The RDC symbol a the displa	battery ppears on ay.	Battery of tyre-pressure sensor weak (************************************	39
A	The "General" warning light shows red.	The head a questic displayed	dlight with n mark is I.	Direction of throw of low-beam headlight unknown (me 50)	Ors
A	General warning light flashes yellow.	The head a zero is	dlight with displayed.	Beam-throw adjustment of the low-beam headlight restricted (m 50)	Idicat
		The head left/right played.	dlight with is dis-	Headlight aiming changed (👐 50)	atus in
A	General warning light lights up yel- low.	Bulb sym arrow po the rear a the displa	bol with inting to appears on ay.	Rear light failure (👐 50)	St
A	General warning light lights up yel- low.	Bulb sym arrow po the front on the di	bol with inting to appears splay.	Front light failure (🗰 51)	

3	Indicator and warning lights	Display text	Meaning
40	General warning light lights up yel- low.	Bulb symbol with two arrows appears on the display.	Light failure (🚥 51)
indicators		The split battery symbol appears on the display.	On-board system voltage low (IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII
	General warning light lights up yel- low.	The split battery symbol appears on the display.	On-board system voltage critical (IIIII 51)
status	The "General" warning light shows red.	bol appears on the display.	Insufficient battery charge current (IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII
0)		The alarm sys- tem battery sym- bol appears on the display.	Anti-theft alarm battery weak (🗰 52)
	General warning light lights up yel- low.	The alarm sys- tem battery sym- bol appears on the display.	Anti-theft alarm battery flat (🗰 53)

Indicator and warning lights		Display text	Meaning	3
		The locked sym- bol appears on the display.	Central locking locked (m 53)	41
(ABS)	The ABS indicator and warning light flashes.		ABS self-diagnosis not completed (IIII+ 53)	Ors
(ABS)	The ABS indicator and warning light shows.		ABS fault (🗰 53)	indicat
(\mathbb{A})	The DTC indicator light flashes quickly.		DTC intervention (IIII 53)	atus
	The DTC indicator light flashes slowly.		DTC self-diagnosis not completed (IIII+ 54)	St
(\mathbb{A})	The DTC indicator light lights up.		DTC switched off (m 54)	
(A)	The DTC indicator light lights up.		DTC fault (IIII 54)	

Indicator and warning lights	Display text	Meaning	
General warning light lights up yel- low.	The symbol for D-ESA fault is dis- played.	D-ESA fault (IIII 54)	
The reserve-fuel symbol lights up.	The fuel-level read- ing turns yellow.	Fuel down to reserve (IIII 55)	
	Green holding symbol is displayed.	Hill Start Control Pro active (🚥 55)	
	White holding symbol is displayed.	Hill Start Control Pro active (🚥 55)	
	Yellow holding symbol is displayed.	Hill Start Control Pro cannot be activated (IIII Start Control Pro cannot be activated	
General warning light flashes yellow.	The holding symbol flashes briefly.	Hill Start Control Pro automatically deac- tivated (**** 56)	
General warning light lights up yel- low.	The symbol for brake temperature is displayed.	The temperature of the brakes is too high (Imp 56)	
General warning light briefly lights up yellow.	The service symbol is displayed.	Service overdue (mm 57)	

Status indicators

Indicator and warning lights	Display text	Meaning	3
	Sosi The symbol for emergency call fault is displayed.	Emergency call fault (🚥 57)	43

Ambient temperature

When the motorcycle is at a standstill, the heat of the engine can falsify the ambienttemperature reading. If the effect of the engine's heat becomes excessive, "--" temporarily appears on the display.

If the ambient temperature drops to below 3 °C, a warning of potential black ice appears. Regardless of the display settings the display automatically switches over to the temperature display when the ambient temperature drops below this threshold for the first time.

Outside temperature warning



The ice crystal symbol is displayed.

Possible cause:

The air temperature measured at the vehicle is lower than 3 °C.

WARNING

Risk of black ice also applicable at over 3 °C

Risk of accident

- Always take extra care when temperatures are low: remember that there is particular danger of black ice forming on bridges and where the road is in shade.
- Ride carefully and think well ahead.

Electronic immobiliser active



General warning light lights up yellow.

> The key symbol is displayed.

Possible cause:

The vehicle key being used is not authorised for starting, or communication between vehicle key and engine electronics is disrupted.

- Remove all other vehicle kevs from the same ring as the vehicle key being used.
- Use spare key.
- Have the defective vehicle key replaced, preferably by an authorised BMW Motorrad dealer.

Radio-operated key out of range

- with Keyless Ride^{OE}



The symbol for "radio-operated key not in reception area" is displayed.

Possible cause:

Communication between radiooperated key and engine electronics is disrupted.

- Check the battery in the radiooperated key.
- Use the spare key to continue your journey.
- with Keyless Ride^{OE}
- Battery of the radio-operated key is empty or loss of the radio-operated key (IIII+ 65).
- Remain calm if the warning symbol appears while you are riding. You can continue your journey, the engine will not switch off.
- Have the faulty radio-operated key replaced by an authorised BMW Motorrad dealer.

Replace the battery of the radio-operated key

- with Keyless Ride^{OE}



The battery symbol appears on the display.

Possible cause:

 The integral battery in the radio-operated key has lost a significant proportion of its original capacity. There is no assurance of how long the R/C key can remain operational.

Coolant temperature too high

The "General" warning light shows red.

The temperature reading turns red.

Riding with overheated engine

Engine damage

 Compliance with the information set out below is essential. Possible cause:

The coolant temperature is too high.

- If possible, ride in the part-load range to cool down the engine.
- In traffic jams, switch off the engine, but leave the ignition switched on so that the radiator fan continues to operate.
- If the coolant temperature is frequently too high, have the fault rectified as soon as possible by a specialist workshop, preferably an authorised BMW Motorrad dealer.

Emissions warning



The malfunction indicator lamp lights up.

Possible cause:

The engine control unit has diagnosed a fault which affects the pollutant emissions.

- Have the fault rectified by a specialist workshop, preferably an authorised BMW Motorrad dealer.
- » You can continue riding: pollutant emissions are higher than the threshold values.

Engine fault

General warning light lights up yellow.



The engine symbol is displaved.

Possible cause:

The engine control unit has diaanosed a fault.

WARNING

Unusual ride characteristics when engine running in emergency-operation mode Risk of accident

 Avoid accelerating sharply and overtaking.

- Expect an unusual engine response if you continue riding (low levels of power, bad response characteristics, abrupt engine stalling, etc.).
- Have the fault rectified as quickly as possible by a specialist workshop, preferably an authorised BMW Motorrad dealer

Major engine fault



General warning light flashes yellow.

The engine symbol is displaved.

Possible cause:

The engine control unit has diagnosed a major fault.

WARNING

Engine damage when running in emergency-operation mode

Risk of accident

- Ride slowly, avoid accelerating sharply and overtaking.
- If possible, have the vehicle picked up and have the fault rectified by a specialist workshop, preferably an authorised BMW Motorrad Retailer
- Expect an unusual engine response if you continue riding (low levels of power, bad response characteristics, abrupt engine stalling, etc.).
- Have the fault rectified as quickly as possible by a specialist workshop, preferably an authorised BMW Motorrad dealer.

Electronic oil-level check



The electronic oil-level check provides information about the oil level in the engine.

The preconditions for the electronic oil-level check are as follows:

- Engine at operating temperature.
- Engine idling for at least ten seconds.
- No brake applied.
- Side stand retracted.
- Motorcycle standing upright.

The readings mean:

OK: oil level is correct.

CHECK!: check the oil level the next time you stop for fuel.

 - -: oil level cannot be measured (conditions as stated above not satisfied).

Engine-oil level too low



The oil-can symbol appears on the display.

Possible cause:

The electronic oil-level sensor has registered an excessively low oil level. Check the engine oil level using the oil dipstick at the next refuelling stop:

- Check the engine oil level (IIII) 164).
- If the oil level is too low:
- Top up the engine oil (IIII 165).

Tyre pressures

 with tyre pressure control (RDC)^{OE}



The tyre-pressure readings are based on a reference tyre temperature of 20 °C. The front tyre pressure is on the left **1**; the reading on the right **2** is the rear tyre pressure. "-- ---" appears directly after the ignition is switched on because the sensors do not transmit tyre pressure values until the first time the vehicle accelerates to more than 30 km/h.

If the pressure in a tyre drops to a critical level the corresponding reading shows red.



The tyre warning symbol also appears on the display.



The "General" warning light flashes red

The detailed description of BMW Motorrad RDC starts on page (m 157).

Tyre pressure outside permitted tolerance

- with tyre pressure control (RDC) OE



The "General" warning light flashes red.



The tyre symbol appears with the display. The critical tyre pressure is shown in red.

Possible cause:

Measured tyre pressure is outside permitted tolerance.

• Check the tyre for damage and to ascertain whether the

vehicle can be ridden with the tyre in its present condition. If the vehicle can be ridden with the tyre in its present condition:

WARNING

Tyre pressure outside the permitted tolerance.

Risk of accident, degradation of the vehicle's driving characteristics.

- Adapt your style of riding accordingly.
- · Correct the tyre pressure at the earliest possible opportunity.

NOTICE

Before adjusting tyre pressure, read the information on temperature compensation and adjusting pressure in the section entitled "Engineering details".

 Have the tyre checked for damage by a specialist workshop, preferably an

authorised BMW Motorrad dealer

If you are unsure whether the vehicle can be ridden with the tyre in its present condition:

- Do not continue your journey.
- Notify the breakdown service.

Sensor defective or system error

- with tyre pressure control (RDC)^{OE}



General warning light lights up yellow.



The tyre symbol and "--" "-- --" are displayed.

Possible cause:

Vehicle is fitted with wheels not equipped with RDC sensors.

 Fit wheels and tyres equipped with RDC sensors.

Possible cause

One or two RDC sensors failed

 Have the fault rectified by a specialist workshop, preferably an authorised BMW Motorrad dealer

Possible cause:

A system error has occurred.

 Have the fault rectified by a specialist workshop, preferably an authorised BMW Motorrad dealer.

Transmission fault

 with type pressure control (RDC)OE

The tyre symbol and "--" -- -- " are displayed.

Possible cause:

The driving speed has not accelerated past the threshold of approximately 30 km/h. The RDC sensors do not start transmitting signals until the vehicle reaches

a speed above this threshold for the first time (m 157).

- Observe the RDC display at higher speeds. A permanent fault is present only when the general warning light also lights up. Under these circumstances:
- Have the fault rectified by a specialist workshop, preferably an authorised BMW Motorrad dealer

Possible cause:

Wireless communication with the RDC sensors has been disrupted. Possible causes include radiocommunication systems operating in the vicinity and interfering with the link between the RDC control unit and the sensors.

 Move to another location and observe the RDC readings. Assume that a permanent fault has not occurred unless the 'General' warning light comes

on to accompany the symptoms. Under these circumstances:

 Have the fault rectified by a specialist workshop, preferably an authorised BMW Motorrad dealer.

Battery of tyre-pressure sensor weak

- with tyre pressure control



(RDC)OE

General warning light lights L up yellow.



The RDC battery symbol appears on the display.

NOTICE

This error message shows briefly only after the Pre-Ride-Check completes.

3 50 Possible cause:

The type pressure sensor battery no longer provides its full capacity. The tyre pressure monitoring function will be available for a limit time only.

 Seek the advice of a specialist workshop, preferably an authorised BMW Motorrad dealer.

Direction of throw of lowbeam headlight unknown

The "General" warning light shows red.



The headlight with a question mark is displayed.

Illumination of the road ahead is no longer optimum: there is a possibility of dazzling oncoming traffic.

Possible cause:

Direction and headlight beam throw of the low-beam headlight are unknown, re-adjustment is no longer possible.

- If it is dark, park the vehicle or have it picked up (if possible).
- Have the defect rectified as quickly as possible by a specialist workshop, preferably an authorised BMW Motorrad dealer.

Beam-throw adjustment of the low-beam headlight restricted



General warning light flashes yellow.



The headlight with a zero is displayed.

Illumination of the road ahead is no longer optimum. Possible cause:

Direction and headlight beam throw of the low-beam headlight provides only restricted adjustment options.

 Have the fault rectified by a specialist workshop, preferably an authorised BMW Motorrad Retailer

Headlight aiming changed

- with adaptive head light OE



The headlight with left/right is displayed.

Corning light control for the lowbeam headlight is switched off.

Possible cause:

Headlight alignment has been changed from the as-delivered condition

 Adjusting right-hand or lefthand traffic (m 72).

Rear light failure



General warning light lights up yellow.



Bulb symbol with arrow pointing to the rear appears on the display.

Possible cause

Rear light, brake light or rear flashing turn indicator defective. The LED rear light must be replaced.

 Consult a specialist workshop. preferably an authorised **BMW Motorrad dealer**

Front light failure



General warning light lights up vellow.



Bulb symbol with arrow pointing to the front appears on the display.

Possible cause:

Low-beam headlight, high-beam headlight, parking light or front flashing turn indicator defective. The low-beam headlight or one of the LED turn indicators must be replaced.

 Consult a specialist workshop. preferably an authorised BMW Motorrad dealer.

 Replacing bulb for high-beam headlight (m 179).

Light failure



General warning light lights up yellow.

Bulb symbol with two arrows appears on the display.

Possible cause:

A combination of light failures has occurred.

 Consult a specialist workshop. preferably an authorised BMW Motorrad dealer

On-board system voltage low



The split battery symbol appears on the display. Generator power is only just sufficient to supply all consumers and charge the battery.

Possible cause

Too many consumers switched on. On-board system voltage tends to drop particularly at low engine rpm and when the engine is idlina.

 When riding at low engine rpm switch off consumers that are not necessary for road safety (e.g. heated body warmer or auxiliary headlights).

On-board system voltage critical



General warning light lights up vellow.



The split battery symbol

Generator power is no longer sufficient to supply all consumers and charge the battery. In order to ensure that the engine can be started and the motorcycle ridden, the on-board electronics switch off the electricity supply

to the on-board sockets and the auxiliary headlights. In extreme cases the seat heating and the arip heating might also be shut down

Possible cause:

Too many consumers switched on. On-board system voltage tends to drop particularly at low engine rpm and when the engine is idlina.

 When riding at low engine rpm switch off consumers that are not necessary for road safety (e.g. heated body warmer or auxiliary headlights).

Insufficient battery charge current

١,			
,	ı	٦	
	:	2	١

The "General" warning light shows red.



The battery symbol appears on the display.

WARNING

Failure of the vehicle svstems

Risk of accident

Do not continue your journev.

Battery is not being charged. If vou continue to ride the motorcvcle the on-board electronics will drain the battery. Possible cause:

Alternator or alternator drive faulty.

 Have the fault rectified as quickly as possible by a specialist workshop, preferably an authorised BMW Motorrad dealer.

Anti-theft alarm battery weak

- with anti-theft alarm (DWA)^{OE}



The alarm system battery symbol appears on the display.

NOTICE

This error message shows briefly only after the Pre-Ride-Check completes.

Possible cause:

The integral battery in the antitheft alarm has lost a significant proportion of its original capacity. There is no assurance of how long the anti-theft alarm can remain operational if the vehicle's battery is disconnected.

 Seek the advice of a specialist workshop, preferably an authorised BMW Motorrad dealer

Anti-theft alarm battery flat

- with anti-theft alarm (DWA)^{OE}



General warning light lights wollow.



The alarm system battery symbol appears on the display.

NOTICE

This error message shows briefly only after the Pre-Ride-Check completes.

Possible cause:

The integral battery in the antitheft alarm has lost its entire original capacity. There is no assurance that the anti-theft alarm will be operational if the vehicle's battery is disconnected.

 Seek the advice of a specialist workshop, preferably an authorised BMW Motorrad dealer.

Central locking locked

- with central locking system OE

The locked symbol appears on the display. All locks in the central locking system are locked.

ABS self-diagnosis not completed

The ABS indicator and warning light flashes.

Possible cause:

Self-diagnosis did not complete. so the ABS function is not available. The motorcycle must reach a speed of at least 5 km/h in order for ABS self-diagnosis to complete.

· Pull away slowly. Bear in mind that the ABS function is not available until self-diagnosis has completed.

ABS fault



The ABS indicator and warning light shows.

Possible cause:

The ABS control unit has detected a fault. The ABS function is not available.

- You can continue to ride the vehicle, but make due provision for the fact that the ABS function is not available. Bear in mind the more detailed information on situations that can lead to an ABS fault (m 152).
- Have the fault rectified as quickly as possible by a specialist workshop, preferably an authorised BMW Motorrad dealer.

DTC intervention

The DTC indicator light Ilashes quickly. The DTC has detected a degree of instability at the rear wheel

and has intervened to reduce torque. The indicator light flashes for longer than the DTC intervention lasts. This affords the rider visual feedback on control intervention even after the critical situation has been dealt with.

DTC self-diagnosis not completed



The DTC indicator light flashes slowly.

Possible cause:

Self-diagnosis did not complete. so the DTC function is not available. The engine must be running and the motorcycle must reach a minimum speed of 5 km/h to complete DTC self-diagnosis..

 Pull away slowly. Bear in mind that the DTC function is not available until self-diagnosis has completed.

DTC switched off



The DTC indicator light 🔛 liahts up.

Possible cause:

The rider has switched off the DTC system.

Switch on DTC.

DTC fault



The DTC indicator light liahts up.

Possible cause:

The DTC control unit has detected a fault. The DTC function is not available.

- You can continue to ride. Bear in mind that the DTC function is not available. Bear in mind the more detailed information on situations that can lead to a DTC fault (m 154).
- Have the fault rectified as quickly as possible by a specialist workshop, preferably

an authorised BMW Motorrad dealer

D-ESA fault



General warning light lights up yellow.



The symbol for D-ESA fault is displayed.

Possible cause:

The D-ESA control unit has detected a fault. In this condition. the motorcycle has too much damping and is uncomfortable to drive, especially on roads in poor condition

 Have the fault rectified as quickly as possible by a specialist workshop, preferably an authorised BMW Motorrad dealer.

Range

The range readout indicates how far you can ride with the fuel remaining in the

Hill Start Control Pro active



Green holding symbol is displayed.

Possible cause:

Hill Start Control Pro (m 159) has been activated automatically or activated by the rider.

- Operate Hill Start Control Pro (91).
- Switching automatic Hill Start Control Pro on and off (m 92).

Hill Start Control Pro active



White holding symbol is displayed.

Possible cause:

The automatic Hill Start Control Pro is active. If the motorcycle stops on an incline of > 5%, the motorcycle is automatically held in place by the brakes.

tank. The figure for average consumption used to calculate range is not shown and might not be the same as the average-consumption reading that appears on the display.

You must put at least five litres of fuel into the fuel tank for the new level to be registered correctly.

If the sensor cannot register the new level the range readout cannot be updated.

When the motorcycle is propped on its side stand the slight angle of inclination means that the sensor cannot register the fuel level correctly. This is the reason why the range is calculated only when the side stand is in the retracted position.

NOTICE

The calculated range is only an approximate figure. Consequently, BMW Motorrad recommends that you should not try to use the full range before refuelling.

Fuel down to reserve



The fuel-level reading turns vellow.

WARNING

Irregular engine operation or engine shutdown due to lack of fuel

Risk of accident, damage to catalvtic converter

Do not run the fuel tank dry.

Possible cause:

The fuel tank contains no more than the reserve quantity of fuel.



approx. 4

Refuelling (m 143).

3

 Switching automatic Hill Start Control Pro on and off (mp 92).

Hill Start Control Pro cannot be activated



Yellow holding symbol is displayed.

Possible cause:

Hill Start Control Pro cannot be activated.

- Fold in side stand.
- » Hill Start Control Pro only works when the side stand is folded in.
- Start the engine.
- » Hill Start Control Pro only works when the engine is runnina.

Hill Start Control Pro automatically deactivated



General warning light flashes yellow.



The holding symbol flashes briefly.

Possible cause:

Hill Start Control Pro has been automatically deactivated.

- Side stand has been folded out
- » Hill Start Control Pro is deactivated when the side stand is folded out.
- Engine has been switched off.
- » Hill Start Control Pro is deactivated when the engine is switched off.
- The motorcycle was ridden off with Hill Start Control Pro activated.
- Operate Hill Start Control Pro (91).

The temperature of the brakes is too high



General warning light lights up vellow.



The symbol for brake tem-Derature is displayed.

DANGER

Riding with overheated brakes

Risk of accident due to failure of brakes

- Adapt your riding style accordinaly.
- Avoid frequent braking by using the engine brake.◄

WARNING

Failure to observe service intervals

Risk of accident

 Observe the valid service intervals for brakes.

Service-due indicator

If a service is due, for a sever brief period after the Pre-Ride-Check the service symbol appears on the display and the service-due date shows instead of the odometer reading.

If the service is overdue the 'General' warning light briefly shows vellow and the service symbol lights up and remains ON



If the countdown to the next service is less than one month. the service-due date 1 appears on the display.



If the vehicle covers long distances in the course of the year. under certain circumstances it might be necessary to have it serviced at a date in advance of the forecast due date. If the countdown distance to the early service is less than 1000 km, the countdown distance 2 appears on the display.

NOTICE

If the service-due indicator appears more than a month before the service date, the current date has to be corrected. This situation can occur if the battery was disconnected

Service overdue



The service symbol is disstruct played.

The general warning light briefly shows yellow after the Pre-Ride-Check.

Possible cause:

A necessary service has not been carried out.

 Have servicing carried out as quickly as possible by a specialist workshop, preferably an authorised BMW Motorrad dealer.

Emergency call fault

- with intelligent emergency callOE



The symbol for emergency call fault is displayed.

3

Possible cause:

The control unit for emergency call has detected a fault. No emergency call is possible.

• Have the fault rectified as quickly as possible by a specialist workshop, preferably an authorised BMW Motorrad dealer.

Emergency call display

 with intelligent emergency call ^{OE}



A progress bar **1** below the emergency call symbol **2** is displayed during connection setup.



This symbol **1** is displayed if it was not possible to establish a connection.



The emergency call symbol **1** is displayed if an emergency call is made during the journey.



This symbol **1** is displayed once a connection has been established.



If there is no mobile phone signal, this symbol **1** is displayed.



If emergency calls are not possible as a result of a technical fault, this symbol **1** is displayed. Status indicators



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Operation



Ignition switch/steering lock

Keys

You receive 2 vehicle keys. If a key is lost or mislaid, consult the notes on the electronic immobiliser (EWS) (= 66).

Ignition switch/steering lock, tank filler cap lock, storage compartment, seat lock, cases and topcase are all operated with the same ignition key.

Engaging steering lock



Incorrect handlebar angle upon parking on the side stand

Component damage caused by the vehicle falling over

 On level ground, always turn the handlebars to the left to set the steering lock. • Turn the handlebars all the way to the left.



- Turn the ignition key to position **1**, while moving the handlebars slightly.
- » Ignition, lights and all function circuits switched off.
- » Steering lock engaged.
- » Vehicle key can be removed.

Ignition Switching on ignition



- Turn the ignition key to position **1**.
- » Side lights and all function circuits switched on.
- » Engine can be started.
- » Pre-Ride-Check is performed. (m 137)
- » Running ABS self-diagnosis. (IIII) 137)
- » DTC self-diagnosis is in progress. (IIII) 138)

Operation

Switching off ignition



- Turn the ignition key to position **1**.
- » Light switched off.
- » Handlebars not locked.
- » Vehicle key can be removed.
- » The windscreen automatically moves to the bottom end position.

Ignition with Keyless Ride

- with Keyless Ride^{OE}

Keys

You receive one radio-operated key and one spare key. If a key is lost or mislaid, consult the notes on the electronic immobiliser (EWS) (m 66). Ignition, fuel filler cap, central locking system and anti-theft device all work with the radiooperated key. Seat lock, storage compartments, topcase and cases can be locked and unlocked manually.

The vehicle cannot be started or the central locking system locked or unlocked if the radio-operated key is not within range (e.g. key inside one of the cases or the topcase).

If the key is out of range, the ignition is switched off after approximately 1.5 minutes, but the central locking system is **not** locked.

It is advisable to keep the radiooperated key on your person (e.g. in a jacket pocket) and to have the spare key with you as an alternative.



approx. 1 m

Engaging steering lock Requirement

Handlebars are turned to the left and radio-operated key is within range.



F ATTENTION

Incorrect handlebar angle upon parking on the side stand

Component damage caused by the vehicle falling over

- On level ground, always turn the handlebars to the left to set the steering lock.
- Press and hold down button 1.
- » The steering lock engages with an audible click.
- » Ignition, lights and all function circuits switched off.

• To unlock the steering lock, briefly press button **1**.

Switching on ignition Requirement

Radio-operated key is within range.



• There are **two** ways of activating the ignition:

Version 1:

- Briefly press button 1.
- » Side lights and all function circuits switched on.
- » Engine can be started.

- » Pre-Ride-Check is performed. (m 137)
- » Running ABS self-diagnosis. (➡ 137)
- » DTC self-diagnosis is in progress. (IIII) 138)

Version 2:

- Steering lock is engaged; press and hold down button **1**.
- » The steering lock disengages.
- » Side lights and all function circuits switched on.
- » Engine can be started.
- » Pre-Ride-Check is performed.
 (IIII) 137)
- » Running ABS self-diagnosis. (IIII) 137)
- » DTC self-diagnosis is in progress. (IIII) 138)

Switching off ignition Requirement

Radio-operated key is within range.

• There are **two** ways of deactivating the ignition:

Version 1:

- Briefly press button 1.
- » Light is switched off.
- » Handlebars (steering lock) are not locked.
- » The windscreen automatically moves to the bottom end position.

Version 2:

- Turn the handlebars all the way to the left.
- Press and hold down button 1.
- » Light is switched off.
- » The steering lock engages.
- » The windscreen automatically moves to the bottom end position.

Battery of the radiooperated key is empty or loss of the radio-operated key

The aerial is in front of the fuel filler cap, underneath the fuel tank cover.◄

- Consult the information on the electronic immobiliser (EWS) if a key is lost or mislaid.
- If you happen to lose or mislay the radio-operated key while on a journey, you can use the spare key to start the vehicle.
- If the battery of the radio-operated key is flat, the motorcycle can be started by touching the tank cover with the radio-operated key.



• Hold spare key **1** or radio-operated key with empty battery **2** at the tank cover above aerial **3**.

Time during which the engine has to be started. The unlocking procedure has to be repeated if this time is allowed to expire.

30 s

- » Pre-ride check is performed.
- Key has been recognised.
- Engine can be started.
- Start engine (IIII 136).

Operation

Replace the battery of the radio-operated key

- If the radio-operated key does not react when you short-press or long-press a button:
- The battery in the radio-operated key is not at full capacity.
- » Change the battery.

The battery symbol appears on the display.



- Press button 1.
- » Key bit flips out.
- Lever out the battery lid **2** on the recess for the key bit.

- Remove the battery lid **2** and seal **3**.
- Remove battery 4.
- Dispose of the old battery in accordance with all applicable laws and regulations; do not attempt to dispose of batteries as domestic waste.

Unsuitable or incorrectly inserted batteries

Component damage

- Use a battery compliant with the manufacturer's specifications.
- When inserting the battery, always make sure polarity is correct.◄
- Insert the new battery with the positive terminal up.

Battery type Ţ,

For Keyless Ride radio-operated key

CR 2032

- Install the seal **3** and battery lid **2**.
- » Red LED on the instrument panel flashes.
- » The remote control is again ready for use.

Electronic immobiliser EWS

The on-board electronics access the data saved in the vehicle key via a ring aerial in the R/C ignition lock. The ignition is not enabled for starting until the engine control unit has recognised the ignition key as "authorised" for your motorcycle.

Another vehicle key attached to the same ring as the vehicle key used to start the engine could "irritate" the electronics, in which case the enabling signal for starting is not issued. The warning with the key symbol appears in the multifunction display. Always keep other vehicle keys separate from the vehicle key used to start the engine.◄

If you lose your key, you can have it barred by your BMW Motorrad authorised dealer. If you wish to do this, you will need to bring all other keys for the motorcycle with you. The engine cannot be started by a barred ignition key, but an ignition key that has been barred can subsequently be reactivated. You can obtain spare/extra keys only through an authorised BMW Motorrad dealer. The ignition keys are part of an integrated security system, so the dealer is under an obligation to check the legitimacy of all applications for replacement/extra keys.

Emergency off switch (kill switch)



1 Emergency off switch (kill switch)

Operation of the kill switch while riding

Risk of fall due to rear wheel locking

 Do not operate the kill switch when riding.

The emergency off switch is a kill switch for switching off the engine quickly and easily.



- a Engine switched off
- **b** Normal operating position (run)



Intelligent emergency call

 with intelligent emergency call ^{OE}

Emergency call via BMW

Only press the SOS button in an emergency or when help is necessary.

Even if an emergency call using BMW is not possible, the system may make an emergency call to a public emergency call number. This depends on the respective mobile phone network and the national regulations.

The emergency call is not able to be ensured because of technical reasons due to unfavourable conditions, e.g. in areas where there is no mobile phone reception.

Language for emergency call

Each vehicle has a language assigned to it depending on the market for which it is intended. The BMW Call Center answers in this language.

A changeover of the language for the emergency call can only be performed by the BMW Motorrad partner. The language assigned to the vehicle varies from the selectable language the driver can choose as the display language in the multifunction display.◄

Manual emergency call Requirement

An emergency call has occurred. The vehicle is at a standstill. The ignition is switched on.



- Open cover 1.
- Press the SOS button 2.



The time until transmission of an emergency call is displayed. During this time, the emergency call can be cancelled by pressing and holding the SOS button.

- Operate the emergency-off switch to stop the engine.
- Remove helmet.
- » After expiry of the timer, a voice contact to the BMW Call Center is established.



The connection was established.



• Provide information to the emergency services using the microphone **3** and speaker **4**.

Automatic emergency call

The intelligent emergency call is active after the ignition is switched on and reacts if a fall or crash occurs.

Emergency call in the event of a light fall

- A light fall or a crash was detected.
- » An acoustic signal is sounded.



The time until transmission of an emergency call is displayed. During this time, the emergency call can be cancelled by pressing and holding the SOS button.

- If possible, remove helmet and stop engine.
- » After expiry of the timer, a voice contact to the BMW Call Center is established.

4

0 1538 km TRIP

4

70

The connection was established.



- Open cover 1.
- Provide information to the emergency services using the microphone **3** and speaker **4**.

Emergency call in the event of a severe fall

- A severe fall or a crash is detected.
- » The emergency call is placed automatically without delay.

Reverser

Requirements

The following prerequisites must have been met to be able to use the reverser:

- Motorcycle at standstill.
- Engine running.
- Transmission in idle.
- Side stand has been retracted.
- Clutch is not disengaged.

Reverse without passenger. On uphill/downhill gradients the reverser cannot guarantee the vehicle is held, as would be the case if a gear were engaged. Do not use the reverser on excessive uphill/downhill gradients.



max 7 %

Activating the reverser



- Press button 1.
- » Gear indicator switches from "N" to "R".
- » You can use the reverser as soon as the "R" display no longer flashes.
Using the reverser



• Press and hold the starter button **1** to reverse.

The vehicle is not automatically braked and may therefore continue to roll after having released the starter button.◄

Automatic termination

Reversing is cancelled automatically:

- On excessive uphill/downhill gradients
- In the event of obstructions
- If the reversing motor has overheated
- If the side stand has been extended
- If the brake is operated

If reversing is cancelled, "R" flashes on the display.

Deactivating the reverser



- Press button 1.
- » Gear indicator switches from " ${\mathbb R}"$ to " ${\mathbb N}".$

Lights Side light

The side lights switch on automatically when the ignition is switched on.

The side lights place a strain on the battery. Do not switch the ignition on for longer than absolutely necessary.◄

Low-beam headlight

The low-beam headlight switches on automatically when you start the engine. 4

High-beam headlight and headlight flasher





- Push switch **1** forward to switch on the high-beam headlight.
- Pull switch **1** back to operate the headlight flasher.

The high-beam headlight can also be switched on when the engine is not running.◄

Parking lights

• Switch off the ignition.



- Immediately after switching off the ignition, push button 1 to the left and hold it in that position until the parking lights come on.
- Switch the ignition on and off again to switch off the parking lights.

Adjusting right-hand or left-hand traffic

- with adaptive head light OE
- Switch on the ignition.
- Open the Settings menu and then select the Vehicle menu item.

• Select the Headlight menu item.



- R-hand traffic: for countries with right-hand side traffic.
- L-hand traffic: for countries with left-hand side traffic.

Beam throw

The xenon headlight has continuous beam throw control that keeps beam throw constant regardless of how the motorcycle is ridden and the load it carries.

Operating auxiliary headlights

- with additional headlight OE

The auxiliary headlights have approval as fog lights and their use is permissible in bad weather conditions only. Always comply with the road traffic regulations in force in the country in which the vehicle is used.◄



• Press button **1** to switch on the additional headlights.



The telltale light shows.

- The vehicle voltage is low if this warning symbol is displayed. If applicable, the auxiliary headlights might have been temporarily switched off.
- Press button **1** again to switch off the additional headlights.

Operating the ground light

- with central locking system OE
- with floor lighting OA
- Switch on the ignition.
- Open the Settings menu and then select the Vehicle menu item.
- Select the Ground light menu item.



Operation

4

- On: ground light is briefly switched on after having switched off the ignition.
- Off: ground light is not switched on after having switched off the ignition.
- » If the ground light was switched off as described above, unlocking the central locking system will continue to switch on the feature.



Daytime riding light

- with daytime riding light^{OE}

Manual daytime riding light Requirement

Automatic daytime riding light is switched off.

Switching on the daytime riding light in the dark.

Risk of accident

• Do not use the daytime riding light in the dark.

By comparison with the lowbeam headlight, the daytime running light makes the vehicle more visible to oncoming traffic. This improves daytime visibility.

• Start engine (IIII 136).

- Call up the Settings menu and then select Vehicle.
- Select DRL from the menu and switch from Automatic DRL to Off.



• Press button **1** to switch on the daytime riding light.

The indicator light for the daytime riding light illumin-

ates.

- » The low-beam headlight and the front side lights are switched off.
- In the dark or in tunnels: Press button **1** again to switch off the

daytime riding light and switch on the low-beam headlight and front side light.

If the high-beam headlight is switched on while the daytime riding light is on, the daytime riding light is switched off after approx. 2 seconds and the high-beam headlight, low-beam headlight and front side light are switched on.

If the high beam headlight is switched off again, the daytime running light is not automatically reactivated, but must be switched on again if required.

- Open the Settings menu and then select Vehicle.
- Select the DRL menu item and switch Automatic DRL to On.
 The symbol for the automatic daytime riding light shows in the display.
- » If the ambient brightness decreases below a certain value, the low beam headlight is automatically switched on (e. B. in a tunnel). When sufficient ambient brightness is detected, the daytime riding light is switched back on. When the daytime riding light is active, the daytime riding light symbol is displayed in the multifunction display.

Hazard warning lights Operating hazard warning flashers

Switch on the ignition.

The hazard warning flashers

place a strain on the battery.

Do not use the hazard warning

flashers for longer than absolutely

NOTICE

necessary.

4



- Press button **1** to switch on the hazard warning lights system.
- » Ignition can be switched off.

Automatic daytime riding light

The automatic daytime riding light does not replace the personal assessment of the light conditions

Risk of accident

• Switch off the automatic daytime riding light in poor light conditions.◄

The changeover between daytime riding light and lowbeam headlight including front side lights can be effected automatically.

For reasons of available space, the beams of the light symbol



To switch off the hazard warning lights:

• Switch on the ignition and press button **1**.

Turn indicators Operating the turn indicators

• Switch on the ignition.



- Push button **1** to the left to switch on the left turn indicators.
- Push button **1** to the right to switch on the right turn indicators.

• Centre button **1** to cancel the turn indicators.

Comfort turn indicator



If button **1** has been pressed to the right or left, the turn indicators are automatically switched off under the following circumstances:

- Speed below 30 km/h: after 50 m distance covered.
- Speed between 30 km/h and 100 km/h: after a speed-dependent distance covered or in case of acceleration.
- Speed over 100 km/h: after flashing five times.

If button **1** is pressed to the right or left slightly longer, the turn indicators only switch off automatically once the speed-dependent distance covered is reached.

Multifunction display Selecting menu



Push button **2** down to call up the available menus, starting with the Information menu. Each time you press button **2** down you call up the next menu in the sequence; the number of menus depends on the options fitted to the motorcycle. Push button **2** up for direct access to a selectable menu.

With the exception of the Audio section, you cannot access the Settings menu unless the vehicle is at a standstill.



The type of menu shows at position **1**, cursor **2** indicates the current selection. Each line **3** represents a menu that can be selected. The line representing the menu you are currently viewing is greyed to show you where you are in the sequence of menus.

Selecting menu items



Use Multi-Controller **1** to move the cursor in a menu.



An arrow **1** at the top or bottom of the display indicates that there are other items in this menu that you can view by turning the Multi-Controller in the corresponding direction. If the cursor shows arrow **2**, a submenu is called up when you push the Multi-Controller to the right. See (Im 78) for deviating meanings of average values and the list selection. Operation

Configuring settings



Direct selection:

Move the cursor to a menu item that does not require any further settings to immediately activate it.



Resetting values:

If average values have been highlighted with an arrow **1**, press and hold the Multi-Controller towards the right to reset them.



Selecting from a list:

Items for selection highlighted by a circle **2** represent selection lists. The current selection has been highlighted with a dot in the circle.

Select a list item with the cursor and press the Multi-Controller towards the right to activate or deactivate it and modify the selection.

4



Adjusting numerical values:

If one or more numerical values are located between the arrows **3**, turn the Multi-Controller towards the top to increase them and turn towards the bottom to reduce them. Press the Multi-Controller towards the right or left to change between values.



Adjusting relative values:

Adjust settings between two limit values using a bar display. Turn the Multi-Controller towards the top to increase values and turn it towards the bottom to reduce the value you would like to adjust.

Exiting a menu



Arrow **3** appears when you are in a submenu.

4



Push Multi-Controller **1** to the left to return to the next highest menu; press MENU button **2** to return straight to the main menu. To hide the menus, push Multi-Controller **1** to the left in a main menu.

Selecting a favourite menu

• Select the menu of your choice.



- Hold down button **3**. The diamond is shown to the right of the menu designation.
- » The menu you have selected will subsequently be called up whenever you press button 3.

Adapting the screen mask

- Switch on the ignition.
- Open the Settings menu and select the User menu item.

You can configure the following settings:

- Language: display language (German, English, Spanish, Italian, French, Dutch, Portuguese)
- Time format Clock format: clock in 12-hour format (12 h) or in 24-hour format (24 h)
- Time format Date format: date in Day.Month.Year format (dd.mm.yy) or Month/Day/Year format (mm/dd/yy)
- Time format GPS time: transfer GPS time and GPS date from the installed navigation system (On), (Off)
- Brightness: display and needle brightness
- Start logo: displays the start logo after switching on the ignition (On), (Off)
- Background: display when the radio is switched off: Empty: no display, Logo: 6cylinder engine logo, Speed ind.: digital speed indicator

- Default status: restore factory conditions (if Reset! is displayed, press and hold the Multi-Controller towards the right)
- Configure the desired settings using the Multi-Controller.

On-board computer

Select display

• Open the Info menu and then select the desired information.



The following information may be displayed in this area **3**:

- Ø consumption: average consumption
- Consumption: current consumption
- Range: range with remaining fuel
- Ø speed: average speed
- Temperature: ambient temperature
- Tyre pressure: tyre pressures
- Stopwatch: stopwatch
- Trav. times: travelling times
- Date: current date
- Veh. voltage: vehicle voltage
- Oil level: engine oil level
- Off: no display

Resetting the average values

• Open the Information menu and then select the average value you would like to reset. • Press and hold the Multi-Controller towards the right until the average value is reset.

Operating the stopwatch

• Call up the Info menu and select Stopwatch.



- With the stopwatch stopped, push Multi-Controller **1** to the right to start the stopwatch.
- » The stopwatch continues timing even if you select some other reading or switch off the ignition.

Doeration

- **4** 82
- With the stopwatch running, push Multi-Controller **1** to the right to stop the stopwatch.
- Push Multi-Controller **1** to the right and hold it in this position to reset the stopwatch.

Measuring travel times

• Call up the Info menu and select Trav. times.



- Push Multi-Controller **1** to the right and hold it in this position to reset the travel time.
- » Timing continues even if you select some other reading or switch off the ignition.



Time during which the vehicle was at a standstill since the last reset.

Trip recorder Selecting a trip recorder

• Switch on the ignition.



• Call up the Trip menu by pressing button **1** and then select trip recorder **2** of your choice.

The following counters can be adapted:

- Trip distance recorder 1 (Trip 1)
- Trip distance recorder 2 (Trip 2)
- Automatic trip distance recorder (Trip Auto) automatically resets eight hours after having switched off the ignition.

Resetting trip recorder

- Switch on the ignition.
- Select the desired trip recorder.



• Keep Multi-Controller **1** pressed to the right until the trip recorder **2** has been reset.

Anti-theft alarm (DWA)

– with anti-theft alarm (DWA) $^{\rm OE}$

Activation without remote control or radio-operated key

- If applicable, switch on the function to automatically activate the alarm system after ignition OFF.
- Customising anti-theft alarm settings (IIII+ 86).

- Switch off the ignition.
- » Activation takes 30 seconds to complete.
- » Turn indicators flash twice.
- » Confirmation tone sounds twice (if programmed).
- » Anti-theft alarm is active.
- Before switching off the ignition open the Settings menu to deactivate the motion sensor (e.g. to transport the motorcycle by train when the severe movements may activate the alarm).
- Select the Vehicle Sensor menu item.



- Select Off (1x) to switch off the motion sensor once.
- Switch off the ignition.
- » Activation takes 30 seconds to complete.
- » Turn indicators flash three times.
- » Confirmation tone sounds three times (if programmed).
- » Alarm system activated, motion sensor deactivated.

4

Activation with remote control or radio-operated key

Only vehicles without Keyless Ride are shipped accompanied by a separate remote control for the central locking system and the alarm system.◄

• Switch off the ignition.



• Press button **1** on the remote control or the radio-operated key twice.

See also the other functions of the remote control for the central locking system.◀

- » Activation takes 30 seconds to complete.
- » Turn indicators flash twice.
- » Confirmation tone sounds twice (if programmed).
- » Anti-theft alarm is active.



 To deactivate the motion sensor (for example if you are about to transport the motorcycle on a train and the swaying movement of the moving train could trip the alarm), press button **1** on the remote control or the radiooperated key again during the activation phase.

- » Turn indicators flash three times.
- » Confirmation tone sounds three times (if programmed).
- » Motion sensor is deactivated.

Alarm signal

A DWA alarm can be triggered by:

- motion sensor
- an attempt to use an unauthorised vehicle key to switch on the ignition.
- disconnection of the DWA antitheft alarm from the motorcycle's battery (DWA internal battery in the anti-theft alarm provides power - alarm tone

Light signals issued by the DWA LED:

- Flashes 1x: Motion sensor 1
- Flashes 2x: Motion sensor 2
- Flashes 3x: Ignition switched on with unauthorised vehicle key
- Flashes 4x: Disconnection of the anti-theft alarm from the motorcycle's battery
- Flashes 5x: Motion sensor 3

Deactivation without remote control or radiooperated key

- Kill switch in operating position (run).
- Switch on the ignition.
- » Turn indicators flash once.
- » Confirmation tone sounds once (if programmed).
- » Anti-theft alarm is deactivated.

only, the turn indicators do not flash).

All functions are sustained even if the internal battery of the DWA anti-theft alarm system is flat; the only difference is that an alarm cannot be triggered if the system is disconnected from the motorcycle's battery.

An alarm lasts for approximately 26 seconds. While an alarm is in progress an alarm tone sounds and the turn indicators flash. You can adjust the alarm tone type in the multifunction display.



An activated alarm can be cancelled at any time by pressing the **2** button of the remote control or the radio-operated key without deactivating the DWA.

If an alarm was activated while the motorcycle was unattended, the rider is notified accordingly by an alarm tone sounding once when the ignition is switched on. The DWA LED then indicates the reason for the alarm for one minute.

4

Deactivation with remote control or radio-operated key



• Press button **2** on the remote control or the radio-operated key once.

See also the other functions of the remote control for the central locking system.◄

The alarm function is reactivated after 30 seconds if "activation

after ignition off" has been selected if the alarm function is deactivated using the radio-operated key and the ignition is not then switched on.

- » Turn indicators flash once.
- » Confirmation tone sounds once (if programmed).
- » Anti-theft alarm is deactivated.

Customising anti-theft alarm settings

• Open the Settings menu and select the Vehicle -Alarm system menu item.



The following settings are available:

- Automatic mode On: alarm system is automatically activated after having switched off the ignition.
- Automatic mode Off: alarm system must be activated with the remote control after having switched off the ignition.
- Alarm tone: alarm tone type.
- Key sound On: the turn indicators and a sound confirm having switched the alarm system on or off.

- Key sound Off: exclusively the turn indicators confirm having switched the alarm system on or off.
- Adjust the settings as desired using the Multi-Controller.

Dynamic Traction Control (DTC)

Switching the DTC function off/on

- Switch on the ignition.
- Open the Settings menu and then select the DTC menu item.

This menu cannot be called up while the motorcycle is on the move.◀



- Select Off (1x) to switch off DTC once until the next time you switch on the ignition.
- The DTC indicator light lights up if Dynamic Traction Control has been switched off.
- Select on to switch on DTC. Alternatively: switch the ignition off and on again.
- The DTC indicator light goes out. If self-diagnosis was not completed, the DTC indicator light starts flashing.

Electronic Suspension Adjustment (D-ESA) Adjusting the chassis and suspension

• Start the engine.



In the multifunction display, the damping is shown in area **1**, the spring preload in area **2**.

• Call up the Dynamic ESA menu.

Operation

4



NOTICE

You can adjust the damping characteristic while the motorcycle is on the move.

The damping action range of adjustment is displayed.

- ROAD: Normal damping characteristic
- DYNAMIC: Sporty damping characteristic
- Select the desired damping action or move the cursor towards the top to adjust the load.

NOTICE

The load cannot be set while the motorcvcle is in motion.

The spring preload range of adjustment is displayed.



One-up





One-up with luggage

- Two-up (with luggage)
- · Select the desired loading variant.
- » The chassis and suspension is adjusted as per the selection and the Dynamic ESA display is adapted to the new setting. Symbols for load and damping action are shown in arev during the adjustment procedure.

Riding mode Setting riding mode

Switch on the ignition.



• Press button 1.

See the section entitled "Engineering details" for more information on the various ride modes. that can be selected.

Δ



The current setting is shown at position **2**; each time the button is pressed one of the possible riding modes is shown at position **3**.

- Press the button until the desired riding mode is displayed.
- » With the motorcycle at a standstill, the mode you select is activated after a short time.
- » The newly selected riding mode is activated as you ride only when the following preconditions are satisfied:
- Brake not operated

- Throttle grip in fully closed position
- » Once the new riding mode has been activated, the selection display is no longer shown.
- » The adjusted riding mode with the corresponding adaptations of the engine characteristics and DTC also remains activated after having switched off the ignition.

Cruise-control system Switching on cruise control



• Slide switch 1 to the right.

» Button 2 is operational.

Saving road speed



• Briefly push button 2 forward.

The cruise control can be set within a speed range from 30 km/h to 220 km/h.◀

- Telltale light for cruise control shows.
- » The motorcycle maintains your current cruising speed and the setting is saved.

Accelerating



- Briefly push button 2 forward.
- » The speed is increased by 1 km/h each time the button is pressed.
- Push button 2 forward and hold it in this position.
- » The motorcycle accelerates steplessly.
- » The current speed is maintained and saved if button 2 is not pushed again.

Decelerating



- Briefly push button 2 back.
- » The speed is reduced by 1 km/h each time the button is pressed.
- Push button 2 back and hold it in this position.
- » The motorcycle decelerates steplessly.
- » The current speed is maintained and saved if button 2 is not pushed again.

Deactivate cruise control

• Brake, pull the clutch lever or turn the throttle twistgrip (close the throttle by turning the twistgrip back past the idle position) to deactivate the cruise-control system.

» Telltale light for cruise-control aoes out.

Resuming former cruising speed



• Briefly push button 2 back to return to the speed saved beforehand.

Opening the throttle does not deactivate the cruise-control svstem. If you release the twistgrip the motorcycle will decelerate only to the cruising speed saved in memory, even though you might have intended slowing to a lower speed.



Telltale light for cruise control shows.

Switching off cruise control



- Slide switch 1 to the left.
- » The system is deactivated.
- » Button 2 is disabled.

Hill Start Control Operating Hill Start Control Pro Requirement

Vehicle stationary and upright, engine running.

Failure of the drive-off assistant

Risk of accident

• Secure the vehicle by braking manually.

Hill Start Control is purely a comfort system to facilitate holding the machine and pulling way on uphill gradients and should not be confused with a parking brake.◄



Operation

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• Firmly pull and then release handbrake lever **1**.

Green indicator light for Hill Start Control appears in the display.

- » Hill Start Control Pro is activated.
- To switch off Hill Start Control Pro, operate brake lever **1** again.

If Hill Start Control Pro has been deactivated by means of the handbrake lever, automatic



Hill Start Control is deactivated for the next 4 m.◀

• Alternatively, ride off in 1st or 2nd gear.

When riding off, Hill Start Control Pro is automatically deactivated.

If automatic Hill Start Control Pro is switched off, once the brake has been fully released, the holding symbol disappears. If automatic Hill Start Control Pro is switched on, the white holding symbol appears.

- » Hill Start Control Pro is deactivated.
- See the "Engineering details" section for more information on Hill Start Control Pro:
- » Hill Start Control function
 (IIII) 159)

Switching automatic Hill Start Control Pro on and off

- Switch on the ignition.
- Call up the Settings and select HSC AUTO.



- To switch on automatic Hill Start Control Pro, select on. White indicator light for Hill Start Control appears in the display.
- » If the brake is actuated for approximately one second after the vehicle has come to a standstill and the motorcycle

is on a gradient of at least 5%, Hill Start Control Pro is automatically activated.

- To switch off automatic Hill Start Control Pro, select Off.
- » The selected setting remains stored even after the ignition is switched off.

Central locking system Locking

- with central locking system OE



• Switch on the ignition and operate the **1** button.

Only vehicles without Keyless Ride are shipped accompanied by a separate remote control for the central locking system and the alarm system.◄

- Alternatively: operate the **2** button of the remote control or radio-operated key.
- » The storage compartments in the side trim panels and the cases are locked.
- » Topcase locks.
- » These locks can no longer be unlocked manually.



- The locked symbol appears on the display.
- with anti-theft alarm (DWA)^{OE}
- » The remote control functions for the alarm system have been described in the corresponding sections.⊲

Unlocking

- with central locking system OE



- Switch on the ignition and operate the **1** button.
- Alternatively: operate the **2** button of the remote control or radio-operated key.
- » The storage compartments in the side trim panels and the cases are unlocked.
- » Topcase unlocks.
- » Locks that have been locked manually must also be manually unlocked again.

- with anti-theft alarm (DWA)^{OE}
- » The remote control functions for the alarm system have been described in the corresponding sections.⊲
- with floor lighting OA
- » If the component is unlocked when the ignition is switched off using the remote control, the ground light is briefly switched on.⊲

Emergency unlocking

- with central locking system OE

If the central locking system refuses to unlock, you can open the cases, topcase and storage compartments manually. The procedure is as follows:

- Removing cases (IIII).
- Open cases (🗰 195).
- Opening topcase (III+ 197).





- Turn the key in the storage compartment lock to the midway position between LOCK and the position indicated by the dot.
- Press in the lock barrel.
- » The lid of the storage compartment pops open.

Logging on the remote control

- with central locking system OE
- with anti-theft alarm (DWA) OE
- without Keyless Ride^{OE}

If you intend to replace a lost remote control or use an additional remote control, you must always log on all remote controls.

- Proceed as follows to log on the remote controls:
- Switch on the ignition.



- Press button **2** on the remote control three times.
- » One sound signal.
- Switch off the ignition within ten seconds.
- Press button **2** on the remote control three times.
- » One sound signal.

• Switch on the ignition within ten seconds.

You can now log on the remote controls.

• Complete the following steps for each remote control:



- Press and hold down buttons 1 and 2.
- » LED **3** flashes for approximately ten seconds.
- When LED **3** stops flashing, release buttons **1** and **2**.
- » LED 3 lights up.
- Press button 1 or button 2.
- » One acoustic signal sounds, LED **3** goes out.

Proceed as follows to complete logon:

- Switch off the ignition.
- » Three sound signals.
- » Logon is also cancelled in the following cases
- Four remote controls have been logged on.
- If no buttons are pressed within 30 seconds after having logged on the first remote control.

Synchronising remote controls

- with central locking system OE
- with anti-theft alarm (DWA)^{OE}
- without Keyless Ride^{OE}

If the central locking system stops responding to the signals from a remote control, the unit in question has to be synchronised. This can happen, for example, if the buttons on the remote control were pressed too frequently while the remote control was out of range of the anti-theft alarm.

- The procedure for synchronising the remote controls is as follows:
- Switch on the ignition.



- Press and hold down buttons **1** and **2**.
- » LED **3** flashes for approximately ten seconds.
- When LED **3** stops flashing, release buttons **1** and **2**.
- » LED 3 lights up.
- Press button 1 or button 2.
- » LED 3 goes out.

Replacing battery of remote control

- with central locking system OE
- with anti-theft alarm (DWA) OE
- without Keyless Ride^{OE}

If you press a button on the remote control and the LED does not show or lights up only briefly:

• Replace the battery of remote control.



- Open lid of battery compartment **1**.
- Dispose of the old battery in accordance with all applicable laws and regulations; do not



attempt to dispose of batteries as domestic waste.

Unsuitable or incorrectly inserted batteries

Component damage

- Use a battery compliant with the manufacturer's specifications.
- When inserting the battery, always make sure polarity is correct.◄
- Insert the new battery with the positive terminal up.

Battery type and battery rated voltage

For remote control

CR 2032

3 V

» The LED on the remote control lights up; the remote control has to be synchronised.



- Press button 1 twice.
- » LED **3** flashes for a few seconds.
- » The remote control is again ready for use.

Grip heating

Operating the grip heating

• Start the engine.

The heating in the heated handlebar grips can be activated only when the engine is running.

• Open the Grip heating menu.



There are five stages of grip heating. Stage five is intended to quickly heat up the grips, subsequently switch to one of the lower stages.

• Select the desired heating stage.

Operation



If the grip heating is switched on, the 1 symbol is displayed.



The vehicle voltage is low if this warning symbol is displayed. If applicable, the handlebar grip heating might have been temporarily switched off.

Seat heating Rider's seat heating

Start the engine.

NOTICE

Seat heating can be activated only when the engine is runnina.

 Open the Seat heating menu



The front seat has five-stage heating. Stage five is for heating the seat quickly: it is advisable to switch back to a lower stage as soon as the seat is warm.

 Select the desired heating stage.



Symbol 1 appears on the display, indicating that the seat heating is

The vehicle voltage is low if this warning symbol is displayed. If applicable, the seat heating might have been temporarily switched off.

Passenger seat heating

Start the engine.



ON.

Seat heating can be activated only when the engine is running.



• Set switch **1** to the desired heating stage.



The passenger seat can be heated in two stages. Stage two is intended to quickly heat up the seat, subsequently switch to the first stage.

- 2 Switch centred: Heating off.
- 3 One-dot section of switch pressed: 50 % heating power.
- 4 Two-dot section of switch pressed: 100 % heating power.



Symbol **1** appears on the display, indicating that the rear seat heating is ON.

The vehicle voltage is low if this warning symbol is displayed. If applicable, the seat heating might have been temporarily switched off.

Seat Removing seat



• Use the ignition key to unlock seat lock **1** and lift the rear of the seat.



- Disconnect plug **2** of the seat heating and remove the seat.
- Place the seat, upholstered side down, on a clean surface.

Installing seat



• Connect plug connection **2** for the seat heating.



• Position the seat with mounts **3** in rubber buffers **4** on left and right.

• Lower the rear of the seat and engage the seat in the latching mechanism.

Storage compartments Opening and closing

storage compartment

- with central locking system OE
- If necessary, unlock the central locking system.⊲



- Turn the key in the storage compartment lock to the position indicated by the dot.
- Press the unlocked lock barrel to open the flap.

Operation

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• The description applies by analogy to the storage compartment on the right side.

F ATTENTION

High temperatures in the storage compartments, particularly in summer

Damage to objects stowed away, particularly electronic devices, such as mobile phones and MP3 players

- Consult the operating instructions of your electronic device and check for possible usage restrictions.
- In summer, do not place heatsensitive objects in the storage compartments.

Audio system

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Satellite radio	114
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General operation Multifunction display

- 1 Text field
- **2** Audio source (...+ 104)
- **3** Symbol for the audio source
- 4 Playback mode (depends on audio source)
- 5 Bluetooth status (m 123)
- 6 Mute (MUTE) (🗰 106).
- 7 Traffic programme function (IIII)



Audio system



Storage compartment for audio system

1 Lock Open and close the stor-

age compartment (im 99).

- 2 Storage compartment for audio devices and mobile phone
- 3 Connection for USB connector and 3.5 mm jack plug (IIII→ 119)



Switch on the audio system

- Switch on the ignition.
- » If the audio system was on when the ignition was switched off, it automatically switches on again.



Switching off audio system



- Switch off the ignition or with the ignition on, press the ON button and hold it down until the audio system switches off.
- If the audio system does not switch on automatically: press the **ON** button to switch on the audio system.
- » The audio system will be in the most recently used operating mode.

Select audio source

with Canada export^{NV}



 Press SRC button to select the audio source.

The following audio sources are possible: the appropriate symbol appears on the display:





MP3 mass storage device (USB) or Apple iPod (IPOD)



Satellite radio (only in countries in which reception of "Sirius Satellite Radio" is possible)



Other audio devices (AUX)⊲

without Canada export^{NV}



 Press SRC button to select the audio source.

The following audio sources are possible; the appropriate symbol appears on the display:



Radio



MP3 mass storage device (USB) or Apple iPod (IPOD)



Other audio devices (AUX)⊲

Speakers and Bluetooth Audio playback is via either the on-board speakers or a Bluetooth-paired output device.

If the Bluetooth function is not

available in a particular country. only audio playback via the speakers is available. Switching the speakers off causes automatic activation of

the Bluetooth function. Switch

Bluetooth function.

If audio playback is via a

device, volume has to be adjusted at the device itself. The

Bluetooth-compatible output

Multi-Controller cannot be used

for this purpose. Exception: if a BMW Motorrad communication system with Bluetooth 2.0 standard is connected, the Multi-

on the speakers to switch off the

Controller can be used to adjust volume (m 127).

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Audio system

Adjust the volume



- Turn Multi-Controller 1 in direction A to increase the volume
- Turn Multi-Controller 1 in direction **B** to reduce the volume.



Audio system

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Scale 2 appears on the display while the volume is being adjusted. The scale disappears automatically once no further changes are made to the volume settina.

If the display shows Speaker OFF, the speakers are switched off and Bluetooth is switched on.

Mute (MUTE)



- Press the ON button.
- » All sound output is switched off.



The speaker symbol appears on the display.

- » If 1 or 2 BMW Motorrad communication systems with Bluetooth standard 2.0 are connected, the helmets are switched from music playback to intercom mode.
- Press the **ON** button again to cancel muting and the intercom mode.



- Alternatively: turn Multi-Controller 1 in direction A to cancel mutina.
- » If the system is paired to a BMW Motorrad communication system with Bluetooth standard 2.0, the mute function can be cancelled only by pressing the ON button.
Cancel the traffic announcements



 While a traffic report is in progress, press the **ON** button to interrupt the traffic report and return to the audio source you were listening to beforehand.

Volume boost for traffic announcements

Volume for traffic announcements is boosted above the current level. This boost can be adjusted by increasing volume to the desired level during a traffic announcement. The audio system saves the increase of the current volume and uses it for all subsequent traffic announcements.

Switch the speakers on or off

- Call up the Settings menu and select Audio - Loudspeaker.
- » The following settings are available:
- On: speakers on.
- Off: speakers off.
- If the speakers are switched off the Bluetooth function is automatically switched on and vice versa.

Adjusting sound settings

• Call up the Settings menu and select Audio - Sound.



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- » The following settings are available:
- Treble: Reduce (-1...-6) or increase (+1...+6) treble.
- Bass: Reduce (-1... -6) or increase (+1...+6) bass.
- S-VOL: Switch off speed-dependent volume control (OFF) or select the level (1...3).
- Loudness: Switch sound curve on (On) or off (Off).
- AUX: Set input signal level (1...6).

- **5**
- Fader: Adjust front/rear volume balance (-10...+10).
- Select the menu item you want, select the setting of your choice and exit the menu.

Volume and speed

Audio system

The audio system can automatically adapt the volume to the driving speed. The increase in volume in dependence on the speed can be set to three levels. Level 3 corresponds to the largest increase.

Automatic volume adjustment does not work for playback via Bluetooth-connected communication systems.

Input signal level

The volume can be set as described on page (IIII 105). In the case of audio devices that can only be connected to the system via the jack, the volume that can be set depends on:

- the output power of the audio device
- the input-signal level you select
- the volume to which the audio device is set.

You should set the input-signal level and adjust the volume of the audio device in such a way that the volume range available for adjustment corresponds to that of the other operating modes.

Radio Select the frequency band



- Press and hold down the **MODE** button until the frequency band changes.
- » Each time you press the button the system toggles between frequency-modulated very high frequency (FM), medium wave (MW) and long wave (LW) (in some countries only AM and FM are available).

Saving stations

The BMW Motorrad audio system has 24 station memory slots for each frequency band.

- Twelve system memory slots: The Autostore function has to be used to assign the twelve stations with the strongest signals to these slots.
- Twelve personal memory slots: The rider can manually assign a station to each of these memory slots.

Find and save stations automatically

• Select the frequency band (IIII+ 109).



• Hold down the **MEM** button until AS--Search is displayed.

After the audio system has been switched on, the tuner needs about one minute to find all the receivable stations. Allow this time to expire before starting an automatic search, as otherwise stations not found before your search starts cannot be taken into account.◄

» The twelve stations with the strongest signal will be found and saved. Then the station Audio system

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saved in memory slot 1 will be played.

- » If fewer then twelve stations are found, the lowest frequency in that band will be saved in the remaining memory slots.
- » If no station can be found then No signal will be displayed.

Station search, manual

• Select the frequency band (IIII+ 109).



• Repeatedly press the **MODE** button until MAN appears in the top line of the display.



- Move Multi-Controller **1** in direction **A** or **B** to find the next receivable station.
- Move Multi-Controller **1** in direction **A** or **B** and hold it in this position to select a specific frequency.
- » The frequency search stops as soon as the Multi-Controller is released, even if no playable station has been found on the current frequency.

Station save, manual

• Select a station or frequency from the frequency band.

It is also possible to select stations from the system memory or the personal memory and then move them to a different slot in the personal memory.◄



- Press the **MEM** button to save the selected frequency / station.
- » Memory will flash on the display.



- Move Multi-Controller 1 in direction A or B to select the required slot in the personal memory list.
- The current assignment of this memory slot flashes on the display.



- Press the **MEM** button again to save the station / frequency to the selected memory slot.
- » The station previously saved there will be deleted.

Call up the stations saved in memory

• Select the frequency band (IIII+ 109).



• To select a station from the system memory, press the **MODE** button repeatedly until As is displayed.





As appears at position **1** and the active memory slot appears at position **2**.

 To select a station from personal memory, repeatedly press the MODE button until position 1 shows MEM.

- Move Multi-Controller **1** in direction **A** or **B** to select the memory slot.

Selecting reception settings

• Call up the Settings menu and select Audio - Tuner.

\odot	TP	
	RDS	
	EG	/
J Tur	ner	

- » The following settings are available:
- RDS: Switch RDS on or off
- Traffic reports: Switch traffic reports on or off (not available in all countries)
- REG: Switch reception of regional transmitters on or off (not available in all countries)⊲
- Select the menu item you want, select the setting of your choice and exit the menu.

Some stations broadcasting in the FM waveband transmit additional information, including programme names.

The name of the station can only be displayed if the RDS function is on. If no station name is transmitted, waveband and frequency are shown in the display.

Traffic channel

If a station broadcasting on the FM waveband transmits traffic announcements, this is in many countries included in the RDS signals (IIII 113).



If at least one station with traffic announcements is being received by the audio system, area **1** contains a \mathbb{T} symbol. The traffic channel station does not necessarily have to be the same as the station that is currently playing. You can switch on the traffic channel function only if RDS is active. If the traffic-programme function is ON and at least one station with a traffic channel is receivable, \mathbb{TP} appears at position **1**.

If a traffic channel station is being played and the traffic channel function is on, any other operating mode is interrupted for the duration of the announcement. Exception: if communication systems are connected in communication mode, these will not be interrupted.

Regional broadcasts

In the FM band, stations can use several frequencies for their programming. These may vary from region to region. These alternative frequencies are contained in the RDS data, which enables the audio system to change the frequency of the station automatically according to where it is. Some stations use these different frequencies to broadcast different, region-specific programmes at different times of day. This could mean that the programme will change automatically if the region is changed, even if the rider has not changed the station.

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If the rider does not want the programme to be changed, the regionalisation function can be switched off (REG).

Satellite radio

- with Canada export^{NV}

Satellite radio

The functions for reception of satellite radio described in this section are available only in countries in which reception of "Sirius Satellitenradio" is possible.

Subscribing to channels

You have to subscribe to a channel in order to listen to it. Subscribing to channels can result in costs that are not borne by BMW Motorrad. Information on the available

Information on the available channels is posted at "www.sirius.com" and

"www.siriusxm.com".

Channels can be activated by calling 1.888.539.7474. You will need the serial number of your audio system (IIII).

Multifunction display



Audio source Sirius Radio

2 Playback mode:

SR: Play a channel from the personal list of presets (IIII)

CAT: Play a channel from the list of categories

(🖛 115)

- 3 Text field for selectable channel information (IIII → 115)
- 4 Indicator for signal strength (→ 114)

Signal strength









Select channel information

• Call up the Settings menu and select menu item Audio -Sirius-Sirius Info.



The following information types can be displayed in the text field:

- Channel n...: Name of the channel
- Artist: name of the artist
- $\ensuremath{\mathtt{Track}}$: name of the track
- Composer: name of the composer

- » The solid circle indicates the current information.
- Select the information type you want and exit the menu.
- » If the information you selected is not available (e.g. news, but artist and composer selected), the channel name is displayed.

Selecting category and channel



 If the audio system is in the Preset playback mode (SR in the display) or if you want to change the category: press the **MODE** button.



The choice of playback mode appears on the display.

- Genre: selection of a channel from the list of categories
- Preset: selection from the personal list of presets
- Select Genre.

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A list of the categories corresponding to the channels for which a subscription has been paid appears on the display. All channels for which no subscription has been taken out are grouped in the unsubscribed Category.

- » The solid circle indicates the current category.
- Select the category you want.
- » A list of the channels available in the category you selected appears on the display.
- Select the channel you want.



The channel information you selected appears in the text field.



 If the audio system is already in the Genre playback mode: press Multi-Controller 1 in direction A or B to go to the next channel in the selected category.

Save channel

• Selecting category and channel (IIII 115).



- Press the **MEM** button.
- » Memory is displayed.



- Move Multi-Controller 1 in direction **A** or **B** to select the memory slot of your choice.
- » The current assignment of this memory slot flashes on the display.



- Press the **MEM** button again to save the channel to the selected memory slot.
- » The channel previously saved there is deleted.

Calling up channel saved in memory



• If the audio system is in the Genre playback mode (CAT showing on the display): press the **MODE** button. 5



Audio system

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The choice of playback mode appears on the display.

- Genre: selection of a channel from the list of categories
- Preset: selection from the personal list of presets
- Select Preset.



The list of memory slots appears on the display.

- » The solid circle indicates the current selection.
- Select the memory slot you want.



The channel information you selected appears in the text field.



• If the audio system is already in the Preset playback mode: press Multi-Controller 1 in direction **A** or **B** to select one of the other assigned memory slots.

View the serial number

- Call up the Settings menu and select Audio - Sirius-Sirius ESN.
- » ESN and the twelve-digit serial number appear on the display. The phone number to dial in order to take out a subscription for additional channels also appears on the display.

Status reports

Under appropriate circumstances, the following status reports appear in the text field:

"CALL 888-539 -SIRI" You must phone the hotline to subscribe to this channel. Sirius hotline: 1.888.539.7474 "INVALID CHANNEL" The channel is no longer valid.

"LINKING" Searching for signal.

"SUB UPDT"

The subscription is checked and updated.

"UPDATING"

Updating channel number assignment.

External playback devices

Requirements

Audio devices (such as MP3 players) or suitable media storage devices (USB sticks) can be connected to the audio system by means of the connectors in the storage compartment. These connectors include:

- a 3.5 mm jack,
- a USB connection (supports USB 1.1 and USB 2).

The audio device must:

- have a compatible connector,
- be stowable inside the storage compartment,
- be able to withstand vibrations arising from normal motorcycle use,
- be able to withstand the high temperatures occurring inside the storage compartment in summer.

Increased mechanical stress due to unsuitable audio devices

Component damage, no liability by BMW Motorrad

 Refer to the operating instructions of your audio



device for any possible usage restrictions.◀

High temperatures in the storage compartments

Damage to stored objects or devices

 Please refer to the operating instructions for the devices to see if there are any possible restrictions on use.

BMW Motorrad advises against using devices with hard discs as media storage devices, as vibrations may cause playback to skip and may damage the device. The audio system provides a supply voltage via the USB plug, though which it is possible to charge mobile telephones and other such devices. Connecting several USB devices via a hub is not possible as the supply voltage is limited.

Connecting audio device

• Switch off the audio system (IIII+ 104).



- Use USB connector **1** to connect the data memory to the audio system.
- Connect an Apple iPod with adapter cable to the audio system using USB connector **1** and jack plug **2**.

You can obtain the correct adapter cable from your authorised BMW Motorrad retailer.◄

- Connect other audio devices to the audio system via jack plug **2** and switch on.
- Position the audio device in storage compartment **3**.

FATTENTION

Improper routing of the access line

Damage to the seal

- Do not run the access line outside between the storage compartment and the cover.
- Close the lid of the compartment, making sure that neither the audio device nor the cable is trapped.
- Switch on the audio system (IIII+ 104).

system Audio

The iPod receives power via the 5

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iPhone

adapter cable.

An iPhone can be used as an audio source in the same way as an iPod. The telephone functions are deactivated while the iPhone is being used as a plavback source: a message to this effect might appear in the display of the iPhone

Sound quality

BMW Motorrad recommends the following settings in the system settings of the iPod/iPhone to achieve the best possible sound quality:

- Volume adaptation: ON
- Equaliser: OFF

Select audio source (m 104).

Audio source data memory

The audio system first scans the media storage device for tracks encoded as MP3s. The audio system scans the media storage device for tracks encoded as MP3s. While the scan is taking place, LOADING is shown on the display. Subdirectories are also scanned. The track titles in the MP3 data (in the ID3-Tag) determine the alphabetical order of the playback list and the title displayed on the system. This may not necessarily be the same as the filename.

Only characters from the ASCII character set (Windows 1252) can be displayed. Other character sets are not displayed or are displayed incorrectly.

Playlists can be created as a means of sorting tracks. The

tracks in a playlist are played in the order in which they are listed. The USB stick must support the Mass Storage Format, can have only one partition and must be either FAT 16 or FAT 32 formatted.

An MP3 player connected to the audio system via the USB port must also support the Mass Storage Format.

Audio source iPod

The audio system will first try and detect any tracks saved on an iPod. While the scan is taking place, LOADING is shown on the display. The track titles from the iPod are used as titles for alphabetic sorting and display. The playlists from the iPod will also be found in addition to the individual tracks. Tracks are played back in the sequence required by the iPod.

Other playback devices

The audio system outputs the track that is currently being played by the playback device via the speakers. The playback device cannot be controlled by the system if it is only connected via the jack.

Audio playback

Selecting playback mode

• Select audio source USB or IPod.



• Press the **MODE** button.



- » The possible playback modes are displayed:
- Track: the titles of all the music tracks found are listed in alphabetical order.
- Directory: all directories containing music tracks are listed in alphabetical order. When you select a directory the titles of the tracks and subdirectories it contains are listed.
- Playlists: all playlists found are listed in alphabetical order.
 When you select a playlist the

titles of the tracks it contains are listed.

- Artists: all the artists saved in the MP3 data are listed in alphabetical order. When you select an artist the titles of all that artist's tracks are listed.
- Albums: all the albums saved in the MP3 data are listed in alphabetical order. When you select an album the titles of all the tracks on that album are listed.
- Genres: all the musical genres saved in the MP3 data are listed in alphabetical order. When you select a genre the titles of all the tracks in that genre are listed.
- » Unknown appears for information not saved in the MP3 data.
- Once you have selected the playback mode: select the title of the track with which you want playback to start.

Audio system

Random playback



• You can activate random playback sequencing for each playback mode. To do so, press and hold down the **MODE** button.



RND is displayed at position 1.

Bluetooth

General

The Bluetooth function might not be available in certain countries.

Bluetooth is a short-range wireless technology. Bluetooth devices are short-range devices transmitting on the license-free ISM band (Industrial, Scientific, Medical) between 2.402 GHz and 2.480 GHz. They can be operated anywhere in the world without a licence being required. Although Bluetooth is designed to establish and sustain robust connections over short distances, as with every other wireless technology disruptions are possible. Interference can affect connections or connections can sometimes fail. Particularly when multiple devices operate in a Bluetooth network, with wireless technology of this nature it is not possible to ensure faultfree communications in every situation.

Possible sources of interference:

- interference zones due to transmission masts and similar.
- devices with non-compliant Bluetooth implementations.
- proximity of other Bluetoothcompatible devices.

Note on health compatibility: The body of scientific data available at this time gives no grounds for assuming that Bluetooth can have negative effects on human health. The BMW Motorrad audio system transmits at a maximum of 10 mW: a mobile phone by contrast can have a transmitpower rating as high as 2 W. The ISM frequency band used by Bluetooth is reserved for the world-wide use of devices in the industrial, scientific and medical sectors and given the low transmit-power ratings, Bluetooth devices are considered safe in terms of potential health risks.

Playback via helmet

The audio system can be connected to the Bluetooth-compatible BMW Motorrad communication systems. Playback in this case is not through the speakers, but by wireless transmission through the headphones in the helmet.

Switch the Bluetooth function on and off

- To switch on the Bluetooth function: switch off the speakers.
- To switch off the Bluetooth function: switch on the speakers.
- Switch the speakers on or off (IIII) 107).



Bluetooth symbol **1** appears on the display.

A dot to the left of the Bluetooth symbol indicates that the audio system is connected to the rider's helmet (Helmet1). A dot to the right of the Bluetooth symbol indicates a connection to the passenger's helmet (Helmet2). A flashing dot indicates that the audio system is searching for the corresponding helmet.

- » If pairing information for a communication system is saved in the audio system's memory, the audio system automatically searches for this system.
 If connection to a BMW Motorrad communication system is not established despite the fact that the system is switched on:
- Briefly press the on/off button of the communication system twice in quick succession.

Pairing

Two Bluetooth devices have to recognise each other before they can communicate. This process of mutual recognition is known as pairing. When two devices have paired they remember each other, so the pairing process is conducted only once, on initial contact.

Two BMW communication systems with Bluetooth standard 2.0 are required if both rider's helmet and passenger's helmet are to be paired to the audio system. If either of the two BMW systems is using Bluetooth standard 1.2, only one helmet can be paired. Refer to the operating instructions of your communication system for information on Bluetooth standards. During the pairing process, the audio system searches for other Bluetooth-compatible devices within its reception range. The conditions that have to be satisfied before the audio system can recognise another device are as follows:

- The device's Bluetooth function must be active
- The device must be "visible" to others
- The device must support the A2DP profile
- Other Bluetooth-compatible devices must be OFF (e.g. mobile phones and navigation systems).

Please consult the operating instructions for your communication system. Pairing information already saved in the BMW Motorrad communication system has to be deleted beforehand. Always start by pairing with the audio system first.

Pairing

- Switch the Bluetooth function on and the loudspeakers off.
- Switch off all other Bluetooth enabled devices (e. g. mobile telephones) within ten metres (or at least their Bluetooth function).
- Activate helmet's Bluetooth function and visibility (see helmet operating instructions).

It can take some time for a Bluetooth device to be detected. It is always best to activate the search function as soon as possible after activating visibility, so that the searching device will have as long as possible to find the visible device.◄

- Call up the Settings menu and select menu item Audio -Register BT..
- Select Helmet1 to establish the connection to the communication system in the rider's helmet.
- Select Helmet2 to establish the connection to the communication system in the passenger's helmet, once the rider's helmet has been paired (possible only with two BMW Motorrad communication systems with Bluetooth standard 2.0).
- Select Log off all. to delete the pairing information saved in memory.
- » If you selected Helmet1 or Helmet2, the audio system now searches for visible Bluetooth-compatible devices; the word Search... appears

on the display. There is no music playback while the search is in progress. All the devices found in the search are then listed.



BMW Motorrad communication systems are shown with BMW_HE....

- Select the communication system to establish the connection.
- » Connect is displayed.
- » One of the following will appear:

- Successful: connection established, playback via speakers in helmet.
- Not possible.: you have attempted to pair the passenger's helmet before pairing the rider's helmet or there is no BMW Motorrad communication system installed in the rider's helmet.
- Failed: connection cannot be established.

If no connection could be established:

- If you want to connect two communication systems: step through the pairing process for the rider's helmet first, then pair the passenger's helmet. Check that both communication systems support Bluetooth standard 2.0 or higher.
- If there are active Bluetooth devices in the vicinity, switch them off.

- Delete the pairing information saved in the audio system.
- Delete the devices saved in the communication system.
- Run the pairing procedure again.

Additional functions



Rider's helmet with BMW Motorrad communication system with Bluetooth standard 2.0

- The volume of the helmet speakers can be adjusted directly using Multi-Controller **1**. Any change in helmet volume is shown on the display.

The volume for helmet 2 cannot be adjusted by means of the Multi-Controller.



Rider's and passenger's helmets with BMW Motorrad communication system with Bluetooth standard 2.0

 If the ON button (MUTE function) is pressed, playback is interrupted and the intercom function is switched on in both helmets. Pressing the ON button again terminates the intercom function and playback resumes (the changeover can take up to approx. 10 seconds).

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Audio system



Adjustment

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Mirrors Adjusting mirrors



• Pivot the mirror to the correct position by pressing gently at the edge.

Windscreen

Adjusting windscreen

- Switch on the ignition.
- » As you ride off, the windscreen automatically moves to its last position before the ignition was switched off.



- Press top section of button **1** to raise the windscreen.
- Press bottom section of button 1 to lower the windscreen.
- Switch off the ignition.
- » The windscreen automatically moves to the bottom end position.
- » If the windscreen encounters resistance before it reaches its end position, the antitrap mechanism goes active. The windscreen stops and the mechanism raises it slightly. After a few seconds the windscreen once again

attempts to move to the bottom end position.

• Make sure that nothing obstructs the windscreen's freedom of movement.

The windscreen does not automatically move to the bottom end position:

- Switch on the ignition.
- Press button **1** to move the windscreen to its top and bottom end positions.
- Switch off the ignition.
- » The windscreen's range of adjustment is calibrated.

Windscreen does not react when button **1** is pressed:

• Consult a specialist workshop, preferably an authorised BMW Motorrad dealer.

Correct anti-trap mechanism functionality cannot be guaranteed if a windscreen has been

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installed that has not been approved by BMW Motorrad.

• In this case: Ensure the clearance of the windscreen prior to switching off the ignition.

Slipstream deflector

Adjusting the slipstream deflector



Adjusting the slipstream deflector while riding.

Risk of accident

- Adjust the slipstream deflector when the motorcycle is at a standstill.
- Turn the slipstream deflector **1** towards the inside or outside to adjust the air flow for the rider. In this process, note the outside limit position.

Clutch

Adjusting the clutch lever

Changed clutch-fluid reservoir position

Air in the clutch system

• Do not twist the handlebar operating element.

Adjusting the clutch lever while riding Risk of accident • Adjust the clutch lever only when the motorcycle is at a standstill.



- Adjustment
- Turn knob **1** to the desired position.

The adjuster is easier to turn if you push the clutch lever forward.◄

- » Four settings are possible:
- Position 1: smallest distance between handlebar grip and clutch lever.

 Position 4: largest distance between handlebar grip and clutch lever.

Brakes

Adjusting the front brake lever

Changed position of the brake fluid reservoir

Air in the brake system

• Do not turn the handlebar fitting on the handlebar.◄

Adjusting the brake lever while riding

Risk of accident

• Do not attempt to adjust the brake lever unless the motorcycle is at a standstill.



• Turn knob **1** to the desired position.

The adjuster is easier to turn if you push the brake lever forward.◄

- » Four settings are possible:
- Position 1: smallest distance between handlebar grip and brake lever.
- Position 4: largest distance between handlebar grip and brake lever.

Riding

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tion	146

Safety information Rider's equipment

Do not ride without the correct clothing! Always wear:

- Helmet
- Suit
- Gloves
- Boots

This applies even to short journeys, and to every season of the year. Your authorised BMW Motorrad dealer will be glad to advise you on the correct clothing for every purpose.

Use of non-colour-fast materials (e.g. blue jeans) on the seat

Discolouration on the seat

 Avoid contact with non-colourfast materials.◄

Loading correctly

Handling adversely affected by overloading and imbalanced loads

Risk of falling

- Do not exceed the permissible gross weight and be sure to comply with the instructions on loading.
- Set spring preload, damping characteristic and tyre pressures to suit total weight.
- Make sure that the weight is uniformly distributed between right and left.
- Pack heavy items at the bottom and toward the inboard side.
- Note the maximum payload and the maximum permissible speed.

Speed

If you ride at high speed, always bear in mind that various boundary conditions can adversely affect the handling of your motorcycle:

- Spring-strut and shock-absorber system not set up correctly
- Imbalanced load
- Loose clothing
- Insufficient tyre pressure
- Poor tyre tread
- Etc.

Risk of poisoning

Exhaust fumes contain carbon monoxide, which is colourless and odourless but highly toxic.

Riding

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Exhaust gases adversely affecting health

Risk of asphyxiation

- Do not inhale exhaust fumes.
- Do not run the engine in an enclosed space.◄

Risk of burn injury

Engine and exhaust system become very hot when the vehicle is in use

Risk of burn injury

 When you park the vehicle make sure that no-one and no objects can come into contact with the hot engine and exhaust system.

Catalytic converter

If misfiring causes unburned fuel to enter the catalytic converter, there is a danger of overheating and damage.

The following guidelines must be observed:

- Do not run the fuel tank dry.
- Do not attempt to start or run the engine with a spark-plug cap disconnected.
- Stop the engine immediately if it misfires.
- Use only unleaded fuel.
- Comply with all specified maintenance intervals.

ATTENTION

Unburned fuel in catalytic converter

Damage to catalytic converter

• Note the points listed for protection of the catalytic converter.◄

Risk of overheating

Engine running for prolonged period with vehicle at standstill

Overheating due to insufficient cooling; in extreme cases vehicle fire

- Do not allow the engine to idle unnecessarily.
- Ride away immediately after starting the engine.◄

Manipulation

Tampering with the motorcycle (e.g. engine management ECU, throttle valves, clutch)

Damage to the affected parts, failure of safety-relevant functions, voiding of warranty • Do not tamper with the vehicle in any way that could result in tuned performance.◄

Regular check

Comply with checklist

• At regular intervals, use the checklist below to check your motorcycle.

Always before riding off

- Check operation of the brake system.
- Check operation of the lights and signalling equipment.
- Checking clutch function (IIII) 170).
- Check the tyre tread depth (IIII).
- Check that cases and luggage are securely held in place.

Every 3rd refuelling stop

• Check the engine oil level (*** 164).

- Checking front brake pad thickness (IIII 166).
- Check rear brake pad thickness (IIII+ 166).
- Check the brake-fluid level, front brakes (IIII+ 168).
- Check the brake-fluid level, rear brakes (m 169).
- Check coolant level (m 170).

Starting

Start engine

- Switch on the ignition.
- » Pre-Ride-Check is performed.
 (IIII) 137)
- » Running ABS self-diagnosis. (IIIII) 137)
- » DTC self-diagnosis is in progress. (IIII) 138)
- Select neutral or, if a gear is engaged, pull the clutch lever.

You cannot start the motorcycle with the side stand extended and

a gear engaged. The engine will switch itself off if you start it with the gearbox in neutral and then engage a gear before retracting the side stand.◄

• When starting a cold engine at low ambient temperatures: disengage the clutch and turn the twistgrip slightly to open the throttle.



• Press starter button 1.

The start attempt is automatically interrupted if battery voltage

Riding

is too low. Recharge the battery before you start the engine, or use jump leads and a donor batterv to start.

See the subsection on jump starting in "Maintenance" for more details.

- » The engine starts.
- » Consult the troubleshooting chart below if the engine refuses to start. (m 212)

Pre-Ride-Check

After having switched on the ignition, the instrument cluster tests the ABS and ASC indicator and warning lights, the general warning light as well as the needles. The logo appears on the display during this process.

Phase 1



The ABS indicator and warning light shows.



General warning light lights up yellow.

Phase 2

The ABS indicator and warning light shows.



The "General" warning light shows red.

If the general warning light is not shown:

WARNING

Faulty "General" warning light.

No indication of malfunctions

- Check that the 'General' warning light comes on, and that it shows red and vellow.◄
- Have the fault rectified as quickly as possible by a specialist workshop, preferably an authorised BMW Motorrad dealer.

ABS self-diagnosis

The operational readiness of BMW Motorrad Integral ABS is checked using self-diagnosis. Self-diagnosis starts automatically when you switch on the ignition.

Phase 1

» Test of the diagnosis-compatible system components with the vehicle at a standstill.



The ABS indicator and warning light flashes.

Phase 2

» Test of the wheel-speed sensors as the vehicle pulls away from rest. The motorcycle must reach a speed of at least 5 km/h in order for ABS self-diagnosis to complete.



The ABS indicator and warning light flashes.



ABS self-diagnosis completed

» The ABS indicator and warning light goes out.

If an indicator showing an ABS fault appears when ABS self-diagnosis completes:

- You can continue to ride. Bear in mind that neither the ABS function nor the integral braking function is available.
- Have the fault rectified as quickly as possible by a specialist workshop, preferably an authorised BMW Motorrad dealer.

DTC self-diagnosis

BMW Motorrad DTC performs self-diagnosis to check operational readiness. Self-diagnosis is performed automatically when you switch on the ignition.

Phase 1

» Test of the diagnosis-compatible system components with the vehicle at a standstill.

The DTC indicator light flashes slowly.

Phase 2

» Test of the diagnosis-compatible system components while the motorcycle is on the move. The motorcycle must reach a speed of at least 5 km/h with the engine running in order for DTC self-diagnosis to complete.



DTC self-diagnosis completed

» The DTC symbol no longer shows.

If an indicator showing an DTC fault appears when DTC selfdiagnosis completes:

- You can continue to ride. Bear in mind that the DTC function is not available.
- Have the fault rectified as quickly as possible by a specialist workshop, preferably an authorised BMW Motorrad dealer.

Running in

Engine

- Until the first running-in check, vary the throttle opening and engine-speed range frequently; avoid riding at constant engine rpm for prolonged periods.
- Select a route with plenty of turns and minor hills, but avoid motorways where possible.
- Comply with the rpm limits for running in.

Running-in speed

لام الم <5000 min⁻¹ (Odometer read-

<5000 min** (Odometer read ing 0...300 km)

<6500 min⁻¹ (Odometer reading 300...1000 km)

No full load (Odometer reading 0...1000 km)

• Have the first running-in check carried out after 500 - 1200 km.

Brake pads

New brake pads have to bed down before they can achieve their optimum friction levels. You can compensate for this initial reduction in braking efficiency by exerting greater pressure on the levers.

New brake pads

Longer stopping distance, risk of accident

Apply the brakes in good time.

Tyres

New tyres have a smooth surface. This must be roughened by riding in a restrained manner at various heel angles until the tyres are run in. This running in procedure is essential if the tyres are to achieve maximum grip.

New tyres losing grip on wet roads and at extreme bank angles

Risk of accident

 Ride carefully and avoid extremely sharp inclines.

Brakes

How can stopping distance be minimised?

Each time the brakes are applied. a load distribution shift takes place with the load shifting forward from the rear to the front wheel. The sharper the vehicle decelerates, the more load is shifted to the front wheel. The higher the wheel load, the more braking force can be transmitted without the wheel locking. To optimise stopping distance. apply the front brakes rapidly and keep on increasing the force you apply to the brake lever. This makes the best possible use of

makes the best possible use of the dynamic increase in load at the front wheel. Remember to pull the clutch at the same time. In the "panic braking situations" that are trained so frequently, braking force is applied as rapidly as possible and with the



rider's full force applied to the brake levers; under these circumstances, the dynamic shift in load distribution cannot keep pace with the increase in deceleration and the tyres cannot transmit the full braking force to the surface of the road.

The BMW Motorrad Integral ABS prevents the front wheel from locking up.

Hazard braking

If you brake sharply from a speed in excess of 50 km/h, the brake light flashes rapidly as an additional warning for road users behind you.

The hazard warning lights system switches on if you brake to below 15 km/h in this process. The hazard warning lights system automatically switches off from a speed of 20 km/h.

Descending mountain passes

Braking only with the rear brake on mountain descents.

Brake fade. Destruction of the brakes due to overheating.

• Use the front brake and utilise engine braking.◄

Riding with overheated brakes

Risk of accident due to failure of brakes

- Adapt your riding style accordingly.
- Avoid frequent braking by using the engine brake.

Failure to observe service intervals

Risk of accident

• Observe the valid service intervals for brakes.◄

Wet and dirty brakes

Wetness and dirt on the brake discs and the brake pads diminish braking efficiency. Delayed braking action or poor braking efficiency must be reckoned with in the following situations:

- Riding in the rain or through puddles of water.
- After the motorcycle has been washed.
- Riding on salted or gritted roads.
- After work has been carried on the brakes, due to traces of oil or grease.
- Riding on dirt-covered surfaces or off-road.

Wetness and dirt result in diminished braking efficiency

Risk of accident

- Apply the brakes lightly while riding to remove wetness and dirt, or dismount and clean the brakes.
- Think ahead and brake in good time until full braking efficiency is restored.

ABS Pro

Physical limits applicable to motorcycling

Braking when cornering

Risk of crash despite ABS Pro

 Invariably, it remains the rider's responsibility to adapt riding style to riding conditions. Do not take risks that would negate the additional safety offered by this system.

ABS Pro is available in all riding modes.

Possibility of a fall not precluded

Although ABS Pro provides the rider with valuable assistance and constitutes a huge advance in safety for braking with the motorcycle banked for cornering, it cannot under any circumstances be considered as redefining the physical limits that apply to motorcycling. It is still possible for these limits to be overshot due to misjudgement or rider error. In extreme cases this can result in a crash.

Use on public roads

ABS Pro helps make the motorcycle even safer for riding on public roads. When the brakes are applied because of an unforeseen hazard when the motorcycle is banked for cornering, within the physical limits that apply to motorcycling the system prevents the wheels from locking and skidding away.

ABS Pro was not developed to enhance individual braking performance with the motorcycle banked into corners.

Parking your motorcycle

Side stand

• Switch off the engine.

Poor ground underneath the stand

Risk of damage to parts if vehicle topples

7 142

Riding

- Always check that the ground under the stand is level and firm.◄
- Extend the side stand and prop the motorcycle on the stand.

Additional weight placing strain on the side stand

- Risk of damage to parts if vehicle topples
- Do not sit or lean on the vehicle while it is propped on the side stand.
- If the camber of the roadway permits, turn the handlebars all the way to the left.
- On a gradient, the motorcycle should always face uphill; select 1st gear.

Centre stand

• Switch off the engine.

ATTENTION

Poor ground underneath the stand

Risk of damage to parts if vehicle topples

• Always check that the ground under the stand is level and firm.◄

Centre stand retracts due to severe movements

Risk of damage to parts if vehicle topples

- Do not lean or sit on the vehicle with the centre stand extended.◄
- Extend the centre stand and lift the motorcycle on to the stand.

Refuelling Fuel grade Requirement

To ensure optimal fuel consumption, fuel should be sulphur-free or as low-sulphur as possible.

FATTENTION

Engine operation with leaded fuel

Damage to catalytic converter

- Do not attempt to run the vehicle on leaded fuel or fuel with metallic additives (e.g. manganese or iron).
- Fuels with a maximum ethanol content of 10%, that is E10, can be used.
Ţ.

Recommended fuel grade



Premium unleaded (maximum 15 % ethanol, E15) 95 ROZ/RON 90 AKI

» Pay attention to the following symbols in the fuel filler cap and on the fuel pump:





Refuelling



Fuel is highly flammable

Risk of fire and explosion

• Do not smoke. Never bring a naked flame near the fuel tank.

F ATTENTION

Wetting of plastic surfaces by fuel

Damage to the surfaces (surfaces become unsightly or dull)

- Clean plastic surfaces immediately after contact with fuel.◄
- Make sure the ground is level and firm and place the motorcycle on its stand.
- Open the protective cap.



• Use the ignition key to unlock the fuel filler cap and pop the cap open.



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WARNING

Escape of fuel due to heatinduced expansion if fuel tank is overfilled

Risk of falling

- Do not overfill the fuel tank.◄
- Refuel with fuel of the grade stated above; do not fill the tank past the bottom edge of the filler neck.

When refuelling after running on reserve, make sure that you top up the tank to a level above re-

7 144 serve, so that the new level is detected and the fuel reserve indicator light is switched off.◄

Usable fuel capacity

approx. 26.5 l

Reserve fuel

approx. 4 l

- Press the fuel tank cap down firmly to close.
- Remove the ignition key and close the protective cap.

Refuelling

- with Keyless Ride OE

Requirement

The steering lock is disengaged.

Fuel is highly flammable

Risk of fire and explosion

• Do not smoke. Never bring a naked flame near the fuel tank.◄

Wetting of plastic surfaces by fuel

Damage to the surfaces (surfaces become unsightly or dull)

- Clean plastic surfaces immediately after contact with fuel.◄
- Make sure the ground is level and firm and place the motorcycle on its centre stand.
- with Keyless Ride^{OE}
- Switch off the ignition (m 64).

The fuel filler cap can be opened within the defined waiting time after the ignition has been switched off, without the radiooperated key being within range.◄

Waiting time for opening the fuel filler cap

2 min

- » There are two variant ways of opening the fuel filler cap:
- Within the waiting time.
- After the waiting time has expired.

Version 1

- with Keyless Ride OE

Requirement

Within the waiting time



- Pull up tab **1** of the fuel filler cap slowly.
- » Fuel filler cap unlocks.
- Fully open the fuel filler cap.

Version 2

- with Keyless Ride^{OE}

Requirement

After the waiting time has expired

- Bring the radio-operated key into range.
- Slowly pull tab 1 up.
- » The indicator light for the radio-operated key flashes

while the search for the radiooperated key is in progress.

- Slowly pull tab **1** on the fuel filler cap up again.
- » Fuel filler cap unlocks.
- Fully open the fuel filler cap.



Escape of fuel due to heatinduced expansion if fuel tank is overfilled

Risk of falling

- Do not overfill the fuel tank.◄
- Refuel with fuel of the grade stated above; do not fill the

tank past the bottom edge of the filler neck.

When refuelling after running on reserve, make sure that you top up the tank to a level above reserve, so that the new level is detected and the fuel reserve indicator light is switched off.

The "usable fuel capacity" specified in the technical data is the quantity that the fuel tank could hold if refilled after it had been run dry and the engine had cut out due to a lack of fuel.◄

Usable fuel capacity

approx. 26.5 l



Reserve fuel

approx. 4 l

- Press down firmly on the filler cap of the fuel tank.
- » The fuel filler cap engages with an audible click.
- » The fuel filler cap locks automatically when the waiting time expires.
- » The engaged fuel filler cap locks immediately when you secure the steering lock or switch on the ignition.

Securing motorcycle for transportation

• Make sure that all components that might come into contact with straps used to secure the motorcycle are adequately protected against scratching. Use adhesive tape or soft cloths, for example, for this purpose.



Vehicle topples to side when being lifted on to stand

Risk of damage to parts if vehicle topples

- Secure the vehicle to prevent it toppling, preferably with the assistance of a second person.
- Push the motorcycle on to the transportation flat and hold it in position: do not place it on the side stand or centre stand.



Routing of tensioning straps not in compliance with correct procedure

Damage to brake lines, Bowden cables, bearings and trim panels

- Carefully route retaining straps.
- Use a cloth to protect painted components from scratches.
- Guide the tensioning straps through the front suspension on the left and right and then tighten towards the bottom.



- At the rear, secure the straps to the rear frame on both sides and tighten the straps.
- Do not pull the tensioning straps over the footrests.
- Uniformly tighten all the straps.



Riding

Engineering details

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General instructions

To find out more about engineering, go to:

bmw-motorrad.com/technology

Antilock Brake System (ABS)

Partially integral brakes

Your motorcycle is equipped with partially integral brakes. Both front and rear brakes are applied when you pull the handbrake lever. The footbrake lever acts only on the rear brake.

While the brakes are slowing the motorcycle, the BMW Motorrad Integral ABS adapts braking-force distribution between front and rear brakes to suit the load on the motorcycle.

Attempted burn-out despite Integral braking function

Damage to rear brake and clutch

Do not burn out tyres.

How does ABS work?

The amount of braking force that can be transferred to the road depends on factors hat include the coefficient of friction of the road surface. Loose stones, ice and snow or a wet road all have much lower coefficients of friction than a clean, dry asphalt surface. The lower the coefficient of friction, the longer the braking distance.

If the rider increases braking pressure to the extent that braking force exceeds the maximum transferrable limit, the wheels start to lock and the motorcycle loses its directional stability; a fall is imminent. Before this situation can occur, ABS intervenes and adapts braking pressure to the maximum transferrable braking force, so the wheels continue to turn and directional stability is maintained irrespective of the condition of the road surface.

What are the effects of surface irregularities?

Humps and surface irregularities can cause the wheels to lose contact temporarily with the road surface; if this happens the braking force that can be transmitted to the road can drop to zero. If the brakes are applied under these circumstances the ABS has to reduce braking force to ensure that directional stability is maintained when the wheels regain contact with the road surface. At this instant the BMW Motorrad Integral ABS must assume an extremely low coefficient of friction, so that the

wheels will continue to rotate under all imaginable circumstances, because this is the precondition for ensuring directional stability. As soon as is registers the actual circumstances, the system reacts instantly and adjusts braking force accordingly to achieve optimum braking.

What feedback does the rider receive from the BMW Motorrad Integral ABS?

If the ABS system has to reduce braking force on account of the circumstances described above, vibration is perceptible through the handbrake lever.

When the handbrake lever is pulled, brake pressure is also built up at the rear wheel by the integral function. If the brake pedal is depressed after the handbrake lever is pulled, the brake pressure built up beforehand is perceptible as counter-pressure sooner than is the case when the brake pedal is depressed either before or at the same time as the brake lever is pulled.

Rear wheel lift

Even under severe braking, a high level of tyre grip can mean that the front wheel does not lock up until very late, if at all. Consequently, ABS does not intervene until very late, if at all. Under these circumstances the rear wheel can lift off the ground, and the outcome can be a highsiding situation in which the motorcycle can flip over.

Rear wheel lift due to severe braking

Risk of falling

 When you brake sharply, bear in mind that ABS control cannot always be relied on to prevent the rear wheel from lifting clear of the ground.◄

What is the design baseline for BMW Motorrad Integral ABS?

Within the limits imposed by physics, the BMW Motorrad ABS ensures directional stability on any surface.

At speeds above 4 km/h, within the limits imposed by physics the BMW Motorrad ABS can ensure directional stability on any surface. Limitations inherent to the design principle mean that at lower speeds the BMW Motorrad ABS cannot provide optimum assistance on all surfaces.

8 152 The system is not optimised for special requirements that apply under extreme competitive situations off-road or on the track.

Special situations

The speeds of the front and rear wheels are compared as one means of detecting a wheel's incipient tendency to lock. If the system registers implausible values for a lengthy period the ABS function is deactivated for safety reasons and an ABS fault message is issued. Self-diaanosis has to complete before fault messages can be issued. In addition to problems with the BMW Motorrad Integral ABS. exceptional riding conditions can lead to a fault message being issued.

Exceptional riding conditions:

 Heating up with the motorcycle on the centre stand or an auxiliary stand, engine idling or with a gear engaged.

 Rear wheel locked by the engine brake for a lengthy period, for example while descending on a loose surface.

If a fault message is issued on account of exceptional riding conditions as outlined above, you can reactivate the ABS function by switching the ignition off and on again.

What significance devolves on regular maintenance?

Brake system not regularly serviced.

Risk of accident

 In order to ensure that the ABS is always maintained in optimum condition, it is essential for you to comply strictly with the specified inspection intervals. \blacktriangleleft

Reserves for safety

The potentially shorter braking distances which BMW Motorrad Integral ABS permits must not be used as an excuse for careless riding. ABS is primarily a means of ensuring a safety margin in genuine emergencies.

Take care when cornering! When you apply the brakes on a corner, the motorcycle's weight and momentum take over and even BMW Motorrad Integral ABS is unable to counteract their effects.

Evolution of ABS to ABS Pro

Until now, the BMW Motorrad ABS helped ensure a very high degree of safety for braking with the motorcycle upright and travelling in a straight line. Now ABS Pro offers enhanced safety for braking in corners as well. ABS Pro prevents the wheels from locking even under sharp braking. ABS Pro reduces abrupt changes in steering force, particularly in panicbraking situations, counteracting the vehicle's otherwise natural but undesirable tendency to straighten up.

ABS intervention

Technically speaking, depending on the riding situation ABS Pro adapts ABS intervention to the motorcycle's bank angle. Signals for rate of roll and rate of yaw and lateral acceleration are used to calculate bank angle. These signals come from the angular rate sensor, an integral component of Dynamic Traction Control DTC and Dynamic ESA. As the motorcycle is heeled over more and more as it banks into a corner, an increasingly strict limit is imposed on the brakepressure gradient for the start of brake application. This slows the build-up of brake pressure to a corresponding degree. Additionally, pressure modulation is more uniform across the range of ABS intervention.

Advantages for the rider

The advantages of ABS Pro for the rider are sensitive response and high braking and directional stability combined with best-case deceleration of the motorcycle, even when cornering.

Dynamic Traction Control (DTC) How does DTC work?

The BMW Motorrad DTC compares the speed of rotation of the front wheel and the rear wheel. The differential is used to compute slip as a measure of the reserves of stability available at the rear wheel. If slip exceeds a certain limit, the engine control intervenes and adapts the engine torque accordingly.

Risky riding

Risk of accident despite DTC

- Invariably, the rider bears responsibility for assessing road and traffic conditions and adopting his or her style of riding accordingly.
- Do not take risks that would negate the additional safety offered by this system.

What is the design baseline for BMW Motorrad DTC?

BMW Motorrad DTC is designed as an assistant system for the rider and for use on public roads. The extent to which the rider af-

fects DTC control can be considerable (weight shifts when cornering, items of luggage loose on the motorcycle), especially when style of riding takes rider and machine close to the limits imposed by physics.

The system is not optimised for special requirements that apply under extreme competitive situations off-road or on the track. You have the option of deactivating the BMW Motorrad DTC system for these circumstances.

🚺 WARNING

Risky riding

Risk of accident despite DTC

- Invariably, the rider bears responsibility for assessing road and traffic conditions and adopting his or her style of riding accordingly.
- Do not take risks that would negate the additional safety offered by this system.

Special situations

In accordance with the laws of physics, the ability to accelerate is restricted more and more as the angle of heel increases. Consequently, there can be a perceptible reduction in acceleration out of very tight bends.

The speeds of the front and rear wheels are compared and the angle of heel taken into account as one means of detecting the rear wheel's incipient tendency to spin or slip sideways. If the electronic processor receives values that it considers implausible over a lengthy period, a dummy value is used for the angle of heel or the DTC function is switched off. Under these circumstances. the indicator for a DTC fault is displayed. Self-diagnosis has to complete before fault messages can be issued.

The BMW Motorrad DTC can issue an error message under the exceptional riding conditions outlined below.

Exceptional riding conditions:

- Riding for a lengthy period with the front wheel lifted off the ground (wheelie) with DTC deactivated.
- Rear wheel rotating with the vehicle held stationary by applying the front brake (burnout).
- Heating up with the motorcycle on an auxiliary stand, in neutral or with a gear engaged.

If the front wheel lifts clear of the ground under severe acceleration, the DTC reduces engine torque until the front wheel regains contact with the ground. Under these circumstances, BMW Motorrad recommends rolling the throttle slightly closed so as to restore stability with the least possible delay.

When riding on a slippery surface, never snap the throttle twistgrip fully closed without pulling the clutch at the same time. Engine braking torque can cause the rear wheel to skid, with a corresponding loss of stability. The BMW Motorrad DTC is unable to control a situation of this nature.

Electronic Suspension Adjustment (D-ESA)

Possible settings

Dynamic ESA enables you to adjust your motorcycle's suspension to suit the load and the surface conditions. By interpreting ride height sensor signals, Dynamic ESA detects movements in the chassis and suspension and responds by adjusting the damping valves. The chassis and suspension will thus be adapted to the characteristics of the terrain.

The DYNAMIC setting enables you to set the damping to a more sporty setup than that offered by ROAD, which is the basic setting.

The suspension setting depends on the riding mode selected. The damping defined by the riding mode can be changed by the rider.

Dynamic ESA calibrates itself at regular intervals when stationary with the engine running to ensure the correct operating principle of the system. During this calibration, chassis and suspension adjustment is not possible.

Riding mode Selection

Three riding modes enable the motorcycle's characteristics to adapt to the prevailing weather conditions, the road and traffic, and the rider's style of riding:

- RAIN
- ROAD
- DYNAMIC

Each of these modes produces perceptible differences in the way the motorcycle behaves. DTC can be switched off in each mode; the explanations below invariably refer to conditions with the system switched ON. The mode last selected is automatically reactivated after the ignition has been switched off and then on again.

The basic rule is: the sportier the mode you select, the more directly can you tap into the engine's reserves of power. At the same time, the level of rider assistance that the DTC system offers decreases accordingly. Consequently, you must always bear the following in mind with regard to your selection of a ride mode: The sportier the setting, the greater the challenge to your riding skill!

RAIN

The engine's full power is not made available. Power increase when you open the throttle is reserved, engine response is correspondingly soft.

The DTC system intervenes early enough to prevent the rear wheel from spinning. On road surfaces with high to medium grip (dry and wet asphalt to dry cobblestones) the vehicle remains very stable; movements of the tail are clearly perceptible only on slippery road surfaces (wet bitumen or wet cobblestones).

ROAD

The engine's full power is available in this mode. Power increase when you open the throttle is more direct than in RAIN mode, the engine responds more rapidly.

DTC system intervention is later than in RAIN mode. On road surfaces with high to medium grip (dry and wet asphalt to dry cobblestones) the motorcycle remains stable. Slight rear-wheel drift is perceptible. Movements of the tail are clearly perceptible on slippery road surfaces (wet bitumen or wet cobblestones).

DYNAMIC

The DYNAMIC mode is the sportiest mode.

Power increase and engine response are the same as in ROAD mode. Response to rider input, however, is considerably more direct. DTC system intervention is even later, which means that even on dry asphalt drifting is possible under sharp acceleration when cornering.

Mode changes

The engine control and Dynamic Traction Control functions can only be changed if no drive torque applies to the rear wheel. In order to achieve this state,

 The motorcycle must be at a standstill with the ignition switched on

or

 The throttle grip must be in the fully closed position.

The desired riding mode is initially preselected. The mode change does not take place until the systems in question are all in the appropriate state.

The selection menu does not disappear from the display un-

8

til the mode change has taken place.

Tyre pressure monitoring (RDC)

 with tyre pressure control (RDC)^{OE}

Function

A sensor integrated into each tyre measures the air temperature and the air pressure inside the tyre and transmits this information to the control unit. Each sensor has a switch that does not enable transmission of the measured values until the motorcycle has accelerated to about 30 km/h. The display shows -- for each tyre until the tyre-pressure signal is received for the first time. The sensors continue to transmit the measured-value signals for approximately 15 minutes after the vehicle comes to a stop.

An error message is issued if wheels without sensors are fitted to a vehicle equipped with an RDC control unit.

Temperature compensation

Tyre pressure is a temperaturesensitive variable: pressure increases as tyre temperature rises and decreases as tyre temperature drops. Tyre temperature depends on ambient temperature, on the style of riding and the duration of the ride The tyre-pressure readings shown by the multifunction display are temperaturecompensated; the reference tyre temperature for these readings is always 20 °C. The gauges on service station air lines do not compensate for temperature. The tyre pressure recorded depends on tyre temperature. In most instances, therefore,

these gauge readings will not tally with the pressures shown by the multifunction display. The warmer the tyres, the more the tester value exceeds the display value.

Pressure adaptation

Compare the RDC readings on the multifunction display with the value in the table on the inside cover of the Rider's Manual. Then use the air line to compensate for the difference between the RDC reading and the value in the table.

Example: According to the Rider's Manual, tyre pressure should be 2.9 bar, but the reading in the multifunction display is 2.7 bar, so pressure is low by 0.2 bar. The gauge on the air line shows 2.5 bar. You must now increase tyre pressure by the 0.2 bar difference between the value in the table and the RDC reading; when the air-line gauge shows 2.7 bar, the tyre is inflated to the correct pressure.

Gear Shift Assistant

- with shift assistant Pro^{OE}

Shift assistant Pro

Your vehicle is equipped with shift assistant, a feature that was originally developed for racing and has been adapted for touring. It permits upshifts and downshifts without declutching or closing the throttle in virtually all load and rpm ranges.

Advantages

- 70-80 % of all gearshifts on a trip can be done without using the clutch.
- Less relative movement between rider and passenger

because the shift pauses are shorter.

- It is not necessary to close the throttle valve when shifting under acceleration.
- When braking and downshifting (throttle valve closed), engine speed is adjusted by blipping the throttle.
- Shift time is shorter than a gearshift with clutch actuation.

In order for the system to identify a request for a gearshift, the rider has to move the shift lever from its idle position in the desired direction against the force of the spring through a certain "overtravel" at ordinary speed or rapidly and keep the shift lever in this position until the gearshift is completed. It is not necessary to increase the force applied to the shift lever while shifting is in progress. Once the gear shift has completed, the gearshift lever must be fully released before being able to carry out another gear shift using the Pro shift assistant. Constantly maintain the corresponding load condition (throttle grip position) before and during gear shifts using the shift assistant. A change in the position of the throttle twistgrip during a gearshift can cause the function to abort and/or lead to a missed shift. The shift assistant does not provides assistance for gear shifts involving clutch control.

Downshifting

 Downshifting is assisted until maximum rpm for the target gear to be selected is reached. This prevents overrewving.



max 8500 min-1

Upshifting

- Upshifting is assisted until idle rpm for the target gear to be selected is reached.
- This prevents the engine from dropping below idle speed.

Idle speed

900^{±50} min⁻¹ (Engine at regular operating temperature)

Hill Start Control

Hill Start Control function

Hill Start Control Pro is a pullaway assistant that operates on the partially integrated ABS system to prevent the vehicle from rolling back on a gradient, without the rider having to keep pressure applied to the brake lever. When Hill Start Control Pro is activated, pressure is built up in the rear brake system to keep the machine at a standstill on a gradient.

The brake pressure in the brake system is dependent on the gradient.

Influence of the brake pressure on the riding off behaviour

- If the motorcycle is stopped on a gentle incline, only low brake pressure is built up. In this case, the brakes are quickly released when driving off. The motorcycle can be moved off more gently. It is not necessary to turn the throttle grip again.
- If the motorcycle is stopped on a steep incline, high brake pressure is built up. In this case, the brakes take longer to release when driving off. More torque is required for driving off which also requires the rider to turn the throttle grip again.

Behaviour when the motorcycle rolls or slips

- If the motorcycle starts to roll while Hill Start Control Pro is active, brake pressure is increased.
- If the rear wheel slips, the brake is released again after approx. 1 m. This keeps the vehicle from slipping downhill with a locked rear wheel, for example.

Releasing the brake when stopping the engine

Hill Start Control Pro is deactivated if the rider stops the engine by hitting the emergency-off switch (kill switch) or when the side stand is extended.

In addition to the indicator and warning lights, the rider should be made aware that Hill Start Control Pro has been deactivated by the following behaviour:

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Brake warning jolt

- The brake is released briefly and reactivated immediately.
- This creates a jolt which the rider feels.
- The partial integral ABS brake system sets a speed of approx. 3 km/h.
- The rider must brake the motorcycle manually.
- After two minutes, or when the brake is actuated, Hill Start Control Pro is completely deactivated.

The holding pressure is released immediately without a brake warning jolt as soon as the ignition is switched off.◄

Adaptive Headlight

- with adaptive head light OE

How does the adaptive cornering headlight work?

The standard low-beam unit in the main headlight consists of a centrally positioned, movable xenon projection module with reflector. Ride height sensors on front and rear suspension supply data for permanent beam throw adjustment. While the motorcycle is moving straight ahead, pitch compensation keeps the throw of the headlight beam constantly in the optimum, preset range, regardless of ride and load state.

In addition, the adaptive headlight has a servomotor that enables a swivelling action of the reflector, which is normally static. The reflector is turned about an axis that varies with the bank angle, compensating for the vehicle's angle of lean. Along with pitch compensation, therefore, the throw of the low-beam headlight also compensates for the rider's chosen bank angle through corners. The two movements are superimposed, so as the motorcycle is steered through a bend the headlight beam is directed into the bend for better illumination of the road ahead.

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General instructions

The Maintenance chapter describes straightforward procedures for checking and replacing certain wear parts.

Special tightening torques are listed as applicable. The tightening torques for the threaded fasteners on your vehicle are listed in the section entitled "Technical data".

You will find information on more extensive maintenance and repair work in the Repair Manual on DVD for your vehicle, which is available from your authorised BMW Motorrad dealer.

Some of the work calls for special tools and a thorough knowledge of the technology involved. If you are in doubt consult a specialist workshop, preferably your authorised BMW Motorrad dealer.

Toolkit

Standard toolkit



- 1 Screwdriver handle
- 2 Reversible screwdriver blade

Phillips PH1 and Torx T25

- 3 Torx wrench, T25/T30 T25 on short end, T30 on long end
 - Replacing bulb for high-beam headlight (IIII) 179).
 - Disengage the number plate carrier.

Front-wheel stand

Installing front-wheel stand

Use of the BMW Motorrad front-wheel stand without accompanying use of centre stand or auxiliary stand Risk of damage to parts if vehicle

Place the motorcycle on its

- Place the motorcycle on its centre stand or another auxiliary stand before lifting the front wheel with the BMW Motorrad front-wheel stand.
- Use basic stand with tool number (83 30 0 402 241) in combination with front-wheel adapter (83 30 0 402 243).
- Make sure the ground is level and firm and place the motorcycle on its centre stand.

Maintenance



- Slacken retaining screws 1.
- Push the two mounting pins **2** apart until the front forks fit between them.
- Use locating pins **3** to set the front-wheel stand to the desired height.
- Centre the front wheel stand relative to the front wheel and push it into position at the front axle.



Excessive movement of the left-hand mounting bolt

Damaged sensor ring of the BMW Motorrad Integral ABS

- Only slide the left-hand mounting bolt towards the inside so that it does not come into contact with the sensor ring.
- Push both mounting pins 2 through the triangles of the brake caliper anchorages just far enough to allow the front wheel to be rolled between them.

• Tighten retaining screws 1.



Centre stand lifts clear if the motorcycle is lifted too high

Risk of damage to parts if vehicle topples

- When lifting, make sure that the centre stand remains in contact with the ground.
- Apply uniform pressure to push the front-wheel stand down and raise the motorcycle.



Engine oil Checking engine oil level

Engine oil level low

Risk of accident as a result of a blocked engine

• Always make sure that the oil level is correct.◄

EF ATTENTION

Misinterpretation of oil level reading, because oil level is temperature-dependent (the higher the temperature, the higher the oil level)

Engine damage

- Check the oil level only after a lengthy ride or when the engine is at operating temperature.
- Make sure the ground is level and firm and with the engine at operating temperature, place

the motorcycle on its centre stand.

- Allow the engine to idle until the fan starts up, then allow it to idle one minute longer.
- Switch off engine and wait approximately one minute to allow the oil to drain down.
- Wipe the area around the oil filler opening clean.



- Remove oil dipstick **1** and wipe it with a clean, dry cloth.
- Seat the oil dipstick on the oil filler neck, but do not engage the threads.

• Remove the oil dipstick and check the oil level.



Engine oil, specified level

Between MIN and MAX marks (Engine at regular operating temperature)

Engine oil, guantity for Ţ topping up

max 0.5 I (Difference between MIN and MAX)

If the oil level is below the MIN mark:

• Top up the engine oil (III 165).

If the oil level is above the MAX mark:

- Have the oil level corrected by a specialist workshop, preferably an authorised BMW Motorrad dealer.
- Install the oil dipstick.

Topping up engine oil

- Make sure the ground is level and firm and place the motorcycle on its stand.
- Wipe the area around the filler neck clean.



• Remove oil dipstick 1.

ET ATTENTION

Use of insufficient engine oil or too much engine oil

Engine damage

- Always make sure that the oil level is correct.◄
- Top up the engine oil to the specified level.
- Check the engine oil level (IIII 164).
- Install the oil dipstick.

Brake system Checking function of brakes

- Make sure the ground is level and firm and place the motorcycle on its stand.
- Pull the front brake lever.
- » The pressure point must be clearly perceptible.
- Press the footbrake lever.
- » The pressure point must be clearly perceptible.

If pressure points are not clearly perceptible:

Work on brake system not in compliance with correct procedure

Risk to operational reliability of the brake system

• Have all work on the brake system undertaken by trained and qualified specialists.

Maintenance

- **9** 166
- Have the brakes checked by a specialist workshop, preferably an authorised BMW Motorrad dealer.

Checking front brake pad thickness

• Make sure the ground is level and firm and place the motorcycle on its stand.



• Visually inspect the left and right brake pads to ascertain their thickness. Viewing direction: between wheel and front suspension toward brake pads **1**.



Brake-pad wear limit,

min 1.0 mm (Friction pad only, without backing plate. The wear indicators (grooves) must be clearly visible.)

If the wear indicating marks are no longer clearly visible:

Brake-pad thickness less than permissible minimum

Diminished braking effect, damage to the brakes

- In order to ensure the dependability of the brake system, do not permit the brake pads to wear past the minimum permissible thickness.
- Have the brake pads replaced by a specialist workshop, preferably an authorised BMW Motorrad dealer.

Check rear brake pad thickness

• Make sure the ground is level and firm and place the motorcycle on its stand.



• Visually inspect the brake pads to ascertain their thickness. Viewing direction: from below toward brake pads **1**.



Brake-pad wear limit,

min 1.0 mm (Friction pad only, without backing plate. The wear indicators (grooves) must have not been reached.)

If the wear indicating mark is no longer visible:



Brake-pad thickness less than permissible minimum

Diminished braking effect, damage to the brakes

- In order to ensure the dependability of the brake system, do not permit the brake pads to wear past the minimum permissible thickness.
- Have the brake pads replaced by a specialist workshop, preferably an authorised BMW Motorrad dealer.



Checking brake-fluid level, front brakes

WARNING

Not enough brake fluid in brake fluid reservoir, or contaminants in brake fluid

Considerably reduced braking power due to presence of air, contaminants or water in the brake system

- Cease operation of the vehicle immediately and do not ride it until the fault has been rectified.
- Check the brake-fluid levels at regular intervals.
- Always make sure that the lid of the brake fluid reservoir and the area around the lid are cleaned before opening.
- Make sure that only fresh brake fluid from a sealed container is used.◄

- Make sure the ground is level and firm and place the motorcycle on its centre stand.
- Move the handlebars to the straight-ahead position.



• Check the brake fluid level in brake fluid reservoir for front wheel brake **1**.

Wear of the brake pads causes the brake fluid level in the reservoir to sink.◄



R.	Brake	fluid	level,	front
G I				

Brake fluid, DOT4

It is impermissible for the brake fluid level to drop below the MIN mark. (Brake fluid tank is horizontal, vehicle on an even surface and handlebars in straight-ahead position.)

If the brake fluid level drops below the permitted level:

• Have the fault rectified as quickly as possible by a specialist workshop, preferably an authorised BMW Motorrad dealer.

Checking brake-fluid level, rear brakes



Not enough brake fluid in brake fluid reservoir, or contaminants in brake fluid

Considerably reduced braking power due to presence of air, contaminants or water in the brake system

- Cease operation of the vehicle immediately and do not ride it until the fault has been rectified.
- Check the brake-fluid levels at regular intervals.
- Always make sure that the lid of the brake fluid reservoir and the area around the lid are cleaned before opening.

- Make sure that only fresh brake fluid from a sealed container is used.
- Make sure the ground is level and firm and place the motorcycle on its centre stand.



• Check the brake fluid level in brake fluid reservoir for rear wheel brake **1**.

Wear of the brake pads causes the brake fluid level in the reservoir to sink.◄



	Brake fluid level, rear	
Brake	e fluid, DOT4	

It is impermissible for the brake fluid level to drop below the MIN mark. (Brake-fluid reservoir horizontal, motorcycle upright.)

If the brake fluid level drops below the permitted level:

• Have the fault rectified as quickly as possible by a specialist workshop, preferably Maintenance

9



an authorised BMW Motorrad dealer.

Clutch

Checking clutch function

- Pull the clutch lever.
- » The pressure point must be clearly perceptible.

If the pressure point is not clearly perceptible:

• Have the clutch checked by a specialist workshop, preferably an authorised BMW Motorrad dealer.

Coolant

Check coolant level

- Make sure the ground is level and firm and place the motorcycle on its stand.
- Allow the engine to cool down.



• Check the coolant level in expansion tank **1**.



Coolant, specified level

Between MIN and MAX marks on the expansion tank (Engine cold)

If the coolant drops below the permitted level:

• Have the defect rectified as quickly as possible by a specialist workshop, preferably an authorised BMW Motorrad dealer.

Tyres Checking tyre pressures

Incorrect tyre pressure

Impaired handling characteristics of the motorcycle, shorter useful tyre life

- Always check that the tyre pressures are correct.◄
- Make sure the ground is level and firm and place the motorcycle on its stand.

Before adjusting tyre pressure, read the information on temperature compensation and adjusting pressure in the section entitled "Engineering details".◄

• Check tyre pressures against the data below.



2.9 bar (One-up and two-up mode with load; with cold tyres)

Tyre pressure, rear

2.9 bar (One-up and two-up mode with load; with cold tyres)

- If tyre pressure is too low:
- Correct tyre pressure.

Rims and tyres

Checking rims

- Make sure the ground is level and firm and place the motorcycle on its stand.
- Visually inspect the rims for defects.
- Have any damaged rims inspected by a specialist work-

shop and replaced if necessary, preferably by an authorised BMW Motorrad dealer.

Checking tyre tread depth



Riding with badly worn tyres Risk of accident due to impaired handling

- If applicable, have the tyres changed in good time before they wear to the minimum tread depth permitted by law.
- Make sure the ground is level and firm and place the motorcycle on its stand.
- Measure the tyre tread depth in the main tread grooves with wear marks.

Wear indicators are built into the main profile grooves on each tyre. The tyre is worn out when

9 172 the tyre tread has worn down to the level of the marks. The locations of the marks are indicated on the edge of the tyre, e.g. by the letters TI, TWI or by an arrow.◄

If the tyre tread is worn to minimum:

• Replace tyre or tyres, as applicable.

Wheels

Tyre recommendation

For each size of tyre, BMW Motorrad tests and classifies as roadworthy certain makes. BMW Motorrad cannot assess the suitability or provide any guarantee of road safety for other tyres.

BMW Motorrad recommends using only tyres tested by BMW Motorrad.

You can obtain detailed information from your authorised

BMW Motorrad dealer or by visiting **bmw-motorrad.com**.

Effect of wheel size on chassis and suspension control systems

Wheel size is very important as a parameter for the frame and suspension control systems ABS and DTC. In particular, the diameter and the width of the vehicle's wheels are programmed into the control unit and are fundamental to all calculations. Any change in these influencing variables, caused for example by a switch to wheels other than those installed ex-works, can have serious effects on the performance of the control systems. The sensor rings are essential for correct wheel speed detection: they too must match the motorcycle's control systems and consequently cannot be replaced. If you decide that you would like to fit non-standard wheels to your motorcycle, it is very important to consult a specialist workshop beforehand, preferably an authorised BMW Motorrad dealer. In some cases, the data programmed into the control units can be changed to suit the new wheel sizes.

RDC label

 with tyre pressure control (RDC)^{OE}



Tyre removal not in compliance with correct procedure

Damage to RDC sensors

 Be sure to explain to the specialist workshop or authorised BMW Motorrad dealer that the wheel is fitted with an RDC sensor.

If the motorcycle is equipped with RDC, each wheel rim bears

an adhesive label indicating the position of the RDC sensor. When changing the tyre, take care not to damage the RDC sensor. Be sure to draw the attention of the authorised BMW Motorrad dealer or specialist workshop to the fact that the wheel is fitted with an RDC sensor.

Remove the front wheel

• Make sure the ground is level and firm and place the motorcycle on its centre stand.



- Remove screws **1** on left and right.
- Pull the front-wheel cover forward to remove.



• Unclip retaining clip **1** of the sensor cable from the brake line.

Maintenance

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- Remove cable tie 2.
- Mask off the parts of the wheel rim that could be scratched in the process of removing the brake calipers.

3

- Do not operate the brakes with a brake caliper not correctly secured.
- Remove screws **3** of the brake calipers on left and right.



- Force the brake pads **4** slightly apart by rocking brake caliper **5** back and forth against brake disc **6**.
- Carefully pull the brake calipers back and out until clear of the brake discs.



- Remove screw **1** and remove the wheel-speed sensor from its bore.
- Lift the front of the motorcycle until the front wheel is clear of the ground, preferably using a BMW Motorrad front-wheel stand.
- Install the front-wheel stand (m> 162).

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Unwanted inward movement of the brake pads

Component damage on attempt to install the brake caliper or because brake pads have to be forced apart



EF ATTENTION

Incorrect gap between sensor ring and wheel speed sensor due to misaligned threaded bush in front suspension

Damage to wheel speed sensor. ABS malfunction

- Left clamp locates the threaded bush; do not loosen or remove this clamp.◄
- Remove right-hand axle clamping screw 2.
- Remove quick-release axle **3**, while supporting the wheel.

• Roll the front wheel forward to remove.

Installing front wheel

Use of a non-standard wheel Malfunctions in operation of ABS and DTC

 See the information on the effect of wheel size on the ABS and DTC systems at the start of this chapter.◄

Tightening threaded fasteners to incorrect tightening torque

Damage, or threaded fasteners work loose

 Always have the security of the fasteners checked by a specialist workshop, preferably an authorised BMW Motorrad dealer.

Front wheel installed wrong way round

Risk of accident

- Note direction-of-rotation arrows on tyre or rim.◀
- Roll the front wheel into position between the front forks.



• Raise the front wheel, insert quick-release axle **3** and tighten to specified torque.



Quick-release axle in threaded bush (wheel carrier)

50 Nm

 Tighten right axle clamping screw 2 to specified torque.

Clamping screw for quick-release axle to wheel carrier

19 Nm

Remove the front-wheel stand.



 Insert the ABS sensor into the bore hole and install screw 1.



Thread-locking compound: micro-encapsulated

4.6 Nm

 Ease the brake calipers on to the brake discs



 Install securing screws 3 on left and right and tighten to specified tightening torque.



Front brake caliper to wheel carrier

28 Nm



- Clip retaining clip 1 of the sensor cable to the brake line.
- Secure new cable tie 2.
- Remove the adhesive tape from the wheel rim.
- Firmly pull the handbrake lever several times until a pressure point is perceptible.



• Hold the front-wheel cover in position and install screws **1** on left and right.

Front-wheel cover to wheel carrier

Thread-locking compound: micro-encapsulated

2 Nm

Remove the rear wheel

- Make sure the ground is level and firm and place the motorcycle on its centre stand.
- If applicable, remove the cases.



- Remove screws **1** on left and right.
- Remove the number plate carrier.
- Engage first gear.



Hot exhaust system

Risk of burn injury

- Do not touch a hot exhaust system.
- Remove the five screws **1** of the rear wheel and in this process, support the wheel.
- Place the rear wheel on the ground and roll it out of the frame towards the rear.



Install the rear wheel

WARNING

Use of a non-standard wheel Malfunctions in operation of ABS and DTC

 See the information on the effect of wheel size on the ABS and DTC systems at the start of this chapter.

Tightening threaded fasteners to incorrect tightening torque

Damage, or threaded fasteners work loose

 Always have the security of the fasteners checked by a specialist workshop, preferably an authorised BMW Motorrad dealer.

ATTENTION

Rear wheel installed with tyre's direction of rotation incorrect

Risk of accident

- Note direction-of-rotation arrows on tyre or rim.◄
- Roll the rear wheel to the rearwheel mounting and position it.



• Install the five screws **1** and tighten crosswise to the specified torque.

Rear wheel to wheel flange

Tightening sequence: tighten in diagonally opposite sequence

60 Nm



 Hold number plate carrier 1 in position and engage retaining lugs 2 in recesses 3 of rear carrier 4.


• Install screws **1** on left and right.

Lighting

Replacing bulb for highbeam headlight

The description below steps you through the procedure for replacing the left bulb. The procedure for working on the right side is the same.◄



- Twist the slipstream deflector **1** towards the outside.
- Remove the screw **2** and remove the side panel **3** towards the rear.



• Slacken screw 1.



• Work wind deflector **2** to the rear to disengage.



- Remove screws **3** and remove mounting **4**.
- 1 2
- Switch on ignition and move windscreen up to the limit position.
- Remove bolt 1.

- Remove screw **2** and take off hand protector **3** to the side.
- Switch off ignition and wait until the windscreen has moved to the bottom position.
- with ECE audio system and preparation for navigation system^{OE}



- Remove screws 1.
- Work speaker unit **2** to the rear to remove.



• Disconnect plug connection **3**.⊲



• Turn covers **1** counter-clockwise to remove.



• Disconnect plug 2.



- Release spring clip **3** at left and right and swing it up.
- Remove bulb 4.

- Replace the defective bulb.
 - Bulb for high-beam headlight

H7 12 V 55 W

• Hold the bulb by the base only, in order to keep the glass free of foreign matter.

tab 5 is correctly positioned.

• Engage spring clip 3.



• Connect plug 2.



• Turn covers **1** clockwise to install.

Maintenance

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• Install bulb 4, making sure that

- **9** 182
- with ECE audio system and preparation for navigation system ^{OE}



• Connect plug connection 3.



• Insert the speaker unit in the mounting **4**.



- Install screws 1.
 - Speaker to bracket/top section of fairing

2.5 Nm⊲

• Switch on the ignition and raise the windscreen to its highest position.



- Hold hand protector **3** in position and engage it in the guides (arrows).
- Install screw 2.
- Install screw 1.
- Switch off the ignition and wait until the windscreen has moved to its lowest position.

Maintenance



• Fit mounting **4** and install screws **3**.

Wind deflector base plate on upper section of fairing

1 Nm



• Hold wind deflector **2** in position from the rear, making sure that all three lugs are firmly seated in the mounting.



• Install bolt 1.

Wind deflector on wind deflector base plate

2 Nm



- Position the side panel **3** and install the screw **2**.
- Align the slipstream deflector **1**.

Replacing bulb for lowbeam headlight

The low-beam headlight can be replaced only as a complete unit.

Maintenance

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• Consult a specialist workshop, preferably an authorised BMW Motorrad dealer.

Replacing LED additional headlights

- with additional headlight^{OE}

The LED additional headlights can be replaced as a complete unit only.

• Consult a specialist workshop, preferably an authorised BMW Motorrad dealer.

Replace LED flashing turn indicators

The LED flashing turn indicators can be replaced only as a complete unit.

• Consult a specialist workshop, preferably an authorised BMW Motorrad dealer.

Replacing LED rear light

The LED rear light can be replaced only as a complete unit.

• Consult a specialist workshop, preferably an authorised BMW Motorrad dealer.

Replacing bulb for number plate light



- Remove screw 1.
- Remove number plate light 2.



• Remove socket **1** from number plate light **2**



• Remove the old bulb from the socket.



• Insert the new bulb into the socket.



• Insert socket **1** into number plate light **2**.



- Hold number plate light **2** in position.
- Install screw 1.

Jump-starting



Touching live parts of the ignition system when the engine is running

Electric shock

• Do not touch parts of the ignition system when the engine is running.◄

Excessive current flowing when the motorcycle is jump-started

Wiring smoulders/ignites or damage to the on-board electronics

 If the motorcycle has to be jump-started connect the leads to the battery terminals; never attempt to jump-start the engine by connecting leads to the on-board socket.

ATTENTION

Contact between crocodile clips of jump leads and vehicle

Risk of short-circuit

 Use jump leads fitted with fully insulated crocodile clips at both ends.◄

9

Jump-starting with a voltage greater than 12 V

Damage to the on-board electronics

- Make sure that the battery of the donor vehicle has a voltage rating of 12 V.
- When jump-starting the engine, do not disconnect the battery from the on-board electrical system.
- Removing seat (m 98).
- Run the engine of the donor vehicle during jump-starting.
- Begin by connecting one end of the red jump lead to the positive terminal of the discharged battery and the other end to the positive terminal of the donor battery.
- Then connect one end of the black jump lead to the negative terminal of the donor battery,

and the other end to the negative terminal of the discharged battery.

- Start the engine of the vehicle with the discharged battery in the usual way; if the engine does not start, wait a few minutes before repeating the attempt in order to protect the starter motor and the donor battery.
- Allow both engines to run for a few minutes before disconnecting the jump leads.
- Disconnect the jump lead from the negative terminal first, then from the positive terminal.
- Install the seat (m 99).

Battery

Maintenance instructions

Correct upkeep, recharging and storage will prolong the life of the battery and are essential if warranty claims are to be considered.

Compliance with the points below is important in order to maximise battery life:

- Keep the surface of the battery clean and dry.
- Do not open the battery.
- Do not top up with water.
- Be sure to read and comply with the instructions for charging the battery on the following pages.
- Do not turn the battery upside down.

On-board electronics (e.g. clock) draining connected battery

Battery is deep-discharged; this voids the guarantee

• Connect a float charger to the battery if the motorcycle is to

Maintenance

remain out of use for more than four weeks.◄

BMW Motorrad has developed a float charger specially designed for compatibility with the electronics of your motorcycle. Using this charger, you can keep the battery charged during long periods of disuse, without having to disconnect the battery from the motorcycle's on-board systems. You can obtain additional information from your authorised BMW Motorrad dealer.

Charging battery when connected

Charging the battery that is connected to the vehicle via the battery terminals Damage to the on-board electronics

• Disconnect the battery at the battery terminals before charging.

ATTENTION

Recharging a fully discharged battery via the power socket or extra socket

Damage to the vehicle electronics

 If a battery has discharged to the extent that it is completely flat (battery voltage less than 12 V, indicator lights and multifunction display remain off when the ignition is switched on) always charge the **disconnected** battery with the charger connected directly to the battery terminals.

Unsuitable chargers connected to a socket

Damage to charger and vehicle electronics

- Use suitable BMW chargers. The suitable charger is available from your authorised BMW Motorrad dealer.
- With the battery connected to the vehicle's on-board electrical system, charge via the power socket.

The motorcycle's on-board electronics know when the battery is fully charged. The on-board socket is switched off when this happens.◄

• Comply with the operating instructions of the charger. Maintenance



NOTICE

If you are unable to charge the battery through the on-board socket, you may be using a charger that is not compatible with your motorcycle's electronics. In this case, directly charge the battery at the terminals of the battery that has been disconnected from the vehicle.◄

Charging battery when disconnected

- Charge the battery using a suitable charger.
- Comply with the operating instructions of the charger.
- Once the battery is fully charged, disconnect the charger's terminal clips from the battery terminals.

The battery has to be recharged at regular intervals in the course of a lengthy period of disuse. See the instructions for caring for your battery. Always fully recharge the battery before restoring it to use.◄

Removing battery

- Removing seat (im 98).
- with anti-theft alarm (DWA)^{OE}
- Switch off the anti-theft alarm system.⊲
- Switch off the ignition.

 without intelligent emergency call^{OE}



Battery not disconnected in accordance with correct procedure

Risk of short-circuit

- Always proceed in compliance with the specified disconnection sequence.◄
- Disconnect negative battery cable **1**.
- Remove protective cap **2** and disconnect positive battery cable **3**.

- Remove screws **4** and retaining bracket.
- Lift the battery up and out; work it slightly back and forth if it is difficult to remove.⊲
- with intelligent emergency call ^{OE}



EF ATTENTION

Battery not disconnected in accordance with correct procedure

Risk of short-circuit

- Always proceed in compliance with the specified disconnection sequence.
- Disconnect negative battery cable **1**.
- Remove protective cap 2 and disconnect positive battery cable for intelligent emergency call 3 together with positive battery cable 4.
- Remove screws **5** and retaining bracket.
- Lift the battery up and out; work it slightly back and forth if it is difficult to remove.⊲

Installing battery

 Place the battery in the battery compartment, positive terminal on the right in the forward direction of travel. without intelligent emergency call ^{OE}



• Fit retaining bracket, insert screws **4**.

Battery not connected in accordance with correct procedure

Risk of short-circuit

- Always proceed in compliance with specified installation sequence.◀
- First connect positive battery cable **3** and position protective cap **2**.



- Connect negative battery cable 1.⊲
- with intelligent emergency call ^{OE}



• Insert retaining bracket, install screws 5.

Battery not connected in accordance with correct procedure

Risk of short-circuit

• Always proceed in compliance with specified installation sequence.◄

- Connect positive battery cable **4** together with positive battery cable for Intelligent emergency call **3** and install protective cap **2**.
- Connect negative battery cable 1.⊲
- with anti-theft alarm (DWA)^{OE}
- Switch on the anti-theft alarm.⊲
- Switch on the ignition.
- Adjust the time and date in the Settings Clock and Settings Date menus.
- Install the seat (m 99).

Fuses

Replacing fuse

- Removing seat (m 98).
- Switch off the ignition.



• Pull off the fuse connector 1.

Jumpering of blown fuses

Risk of short-circuit and fire

- Never attempt to jumper a blown fuse.
- Always replace a defective fuse with a new fuse of the same amperage.
- Consult the fuse assignment diagram and replace the defective fuse.

If fuse defects recur frequently have the electric circuits checked by a specialist workshop, preferably an authorised BMW Motorrad dealer.

- Secure the fuse connector 1.
- Install the seat (🗰 99).

Fuse assignment



- 1 40 A Main fuse
- 2 7.5 A Audio system

- 3 Not used
 - with anti-theft alarm (DWA)^{OE}
 - or
 - with central locking system OE
 - 7.5 A
 - Anti-theft alarm
 - Central locking

Diagnostic connector Disengaging diagnostic connector

Incorrect procedure followed when loosening the diagnostic connector for the on-board diagnosis

Motorcycle experiences malfunctions

 Only have the diagnostic connector loosened by a specialist workshop or other authorised persons during your next BMW Service appointment.

- Have the work performed by appropriately trained staff.
- Refer to the vehicle manufacturer specifications.◄
- Removing seat (m 98).



- Press locks 1.
- Disengage the diagnostic connector **2** from the seat bench box **3**.
- » The interface to the diagnosis and information system can be connected to diagnostic connector 2.

Maintenance



Securing the diagnostic connector

• Disconnect the interface for the diagnosis and information system.



- Plug the diagnostic connector **2** into the seat box **3**.
- » Retainers **1** engage with an audible click.
- Install the seat (m 99).

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General notes

CAUTION

Use of other-make products Safety risk

- BMW Motorrad cannot examine or test each product of outside origin to ensure that it can be used on or in connection with BMW vehicles without constituting a safety hazard. Country-specific official authorisation does not suffice as assurance. Tests conducted by these instances cannot make provision for all operating conditions experienced by BMW vehicles and, consequently, they are not sufficient in some circumstances.
- Use only parts and accessories approved by BMW for your vehicle.◄

BMW has conducted extensive testing of the parts and accessory products to establish that they are safe, functional and suitable. Consequently, BMW accepts responsibility for the products. BMW accepts no liability whatsoever for parts and accessories that it has not approved.

All modifications must be in compliance with legal requirements. Make sure that the vehicle does not infringe the national roadvehicle construction and use regulations applicable in your country.

Also bear in mind the information on the effect of wheel size on running-gear control systems (••• 172).

Your BMW Motorrad dealer can offer expert advice on the choice of genuine BMW parts, accessories and other products.

You can examine all the optional accessories from BMW Motorrad

by visiting: "www.bmwmotorrad.com/equipment".

Power sockets

Notes on use of power sockets:

Automatic shutdown

If this warning symbol appears it tells you that the on-board system voltage is low. If necessary, the sockets will be temporarily switched off.

The on-board sockets are also switched off when the engine is being cranked by the starter and if maximum load capability as stated in the technical data is exceeded.

If more than one socket is used, total current must not exceed the maximum load capability of 10 A.

Operating electrical accessories

Auxiliary devices operated using a socket can only be switched on when the ignition is switched on. If the ignition is then switched off, sockets are also switched off in the event of high loads. In the event of lower loads, the sockets remain in operation for some time.

Cable routing

Note the following with regard to the routing of cables from sockets to items of electrical equipment:

- Make sure that cables do not impede the rider.
- Make sure that cables do not restrict the steering angle or obstruct handling.
- Make sure that cables cannot be trapped.

Cases Open cases

- with central locking system OE
- If applicable, open the central locking.⊲



• Turn the key to the in the case lock to the position indicated by the dot.



- Push lock barrel 1 down.
- » Lever 2 pops up.
- Pull the release lever all the way up and open the lid of the case.



Close cases



- Pull release lever **2** all the way up.
- Close the lid of the case and press it down. Check that nothing is trapped between the lid and the case.

The cases can also be locked by turning the lock to the LOCK position. In this case, ensure that the vehicle key is not left in the cases.◄

• Push release lever **2** down until it engages.

• Turn the key in the case lock to the LOCK position and remove the key from the lock.

Removing cases



• Turn the key to the RELEASE position in the case lock.

» The handle pops out.



- Pull carry handle **3** up as far as it will go.
- » The case is released and can be removed.

Install cases

• Pull the handle up as far as it will go.

Accessories



• Seat the case in holders 4.



- Push handle **3** down until it engages.
- Turn the key in the case lock to the LOCK position and remove the key from the lock.

Maximum payload and maximum speed

Note the maximum payload and the maximum permissible speed. The values for the combination described here are as follows:

Maximum speed for riding with a loaded case

max 180 km/h

Payload per case

max 10 kg

Topcase

Opening topcase

- with central locking system OE
- If necessary, unlock the central locking system.⊲



• Turn the key to the in the topcase lock to the position indicated by the dot.



Push lock barrel 1 forward.
» Lever 2 pops up.

Accessories

10

10 198 • Pull the release lever all the way up and open the lid of the topcase.

Closing topcase



- Pull release lever **2** all the way up.
- Close the lid of the topcase and hold it down. Check that nothing is trapped between the lid and the case.

The topcase can also be closed when the lock is in the LOCK position. In this case, make sure

that the key is not left inside the topcase. \blacktriangleleft

- Push release lever **2** down until it engages.
- Turn the key in the topcase lock to the LOCK position and remove the key from the lock.

Removing the topcase

• Removing seat (m 98).



- Disconnect plug 1.
- Work the topcase-end plug through to the rear.
- Open the topcase.

• If applicable, empty the topcase and lift out the bottom mat.



- Push slide latch **2** toward the outside and hold it in this position.
- Turn rotary latch **3** in the direction indicated by the RELEASE arrow.
- » Release warning 4 is visible.
- Close the topcase.



- Lift the topcase at the rear and remove it from the luggage carrier.
- Install the seat (m 99).

Installing topcase

- Removing seat (🗰 98).
- If applicable, empty the topcase and lift out the bottom mat.



- Set the topcase on the luggage carrier.
- Opening topcase (IIII+ 197).



• Turn rotary latch **3** as far as it will go in the direction indicated by the LOCK arrow while pressing down on the back edge of the topcase.

» Release warning 4 is no longer visible.

If the release warning is still visible the topcase is not correctly secured.

• Make sure that the topcase is correctly seated on the luggage carrier.



• Route the connecting cable forward in cable guide **5**.

10

10 200



- · Work the cable into position at positions 6.
- Connect plug 1.
- Install the seat (me 99).

Maximum payload and maximum speed

Note the maximum payload and the maximum permissible speed. The values for the combination described here are as follows:

Maximum speed for riding with a loaded topcase

max 180 km/h

```
Payload of topcase
П;
```

max 10 kg

Navigation device Installing navigation device

- with preparation for navigation system^{OE}
- with navigation system OA
- Switch on the ignition.



• Press button 1 to open the slot for the navigation device.

- » Slot cover pops open, windscreen moves to top limit position
- Pull slot cover up as far as it will go.
- From behind, push out cap 2.



 Operate latch 3 and remove cover 4.



- Initially insert the navigation device into mount 5, then press it into latching mechanism 6.
- Check that the navigation device is secure in the cradle.
- Press cover 7 to push cradle with navigation device into the slot until it snaps into position.

Removing navigation device

- with navigation system OA
- Switch on the ignition.



- Press button **1** to open the slot for the navigation device.
- » Slot cover pops open, windscreen moves to top limit position.
- Pull slot cover up as far as it will go.



• Operate latch **3**, pull the navigation device forward out of holder **6** and lift it up and out.



• Install cover 4.

<u>10</u> 201 **10** 202 • Press cover **7** to push the cradle into the slot until it snaps into position.



• Insert cap 2.

Operating the navigation device

- with preparation for navigation system^{OE}
- with navigation system OA
- If necessary, switch on the navigation device.
- Open the Navigation menu.



Operating options for the navigation device are displayed.

- View: switches between the main menu, map and on-board computer views.
- zoom +: activates functions highlighted with a + in the navigation system. For instance, the map section is enlarged in map view.
- zoom -: activates functions highlighted with a - in the navigation system. For instance, the map section zooms out in map view.
- Voice output: repeats the last navigation voice output.

The voice output is also output if automatic voice commands have been switched off in the navigation system settings.

- Mute: switches automatic voice commands on or off.
- Display off: the navigation device display is switched off and on.
- Select the desired operation and carry it out by pressing the Multi-Controller towards the right.

Special functions

- with preparation for navigation system^{OE}
- with navigation system OA

Integration of the BMW Motorrad Navigators has produced a number of deviations from the descriptions in the operating instructions for the Navigator.

Traffic information channel

If the vehicle is fitted with an audio system, the audio system sends the traffic announcements to the Navigator. The symbol described in the operating instructions of the Navigator appears on the display.

(TMC)

It is not possible to receive traffic announcements from subscription services via the BMW Motorrad audio system.

Reserve fuel level warning

The settings for the fuel gauge enable you to define a distance that is covered per full tank of fuel. The motorcycle sends the figure for residual range possible with the fuel remaining in the fuel tank to the Navigator, so it is no longer necessary to enter this value.

Time and date

Time and date are transmitted by the Navigator to the motorcvcle. Acceptance of these data for the readings in the instrument cluster has to be activated in the user settings for the motorcycle.

Security settings

The BMW Motorrad Navigator IV. BMW Motorrad Navigator V and BMW Motorrad Navigator VI can be protected from unauthorised use with a four-digit PIN (Garmin Lock). If this function is activated. while the Navigator is cradled on the motorcycle and the ignition is switched on you are prompted to add the motorcycle to the list of secured vehicles. If you answer "Yes" at this prompt the Navigator saves the VIN of this vehicle in its internal memory. A maximum of five vehicle identification numbers can be stored.

Subsequently, the PIN does not have to be entered when the Navigator is switched on by ignition ON while cradled in any of these vehicles.

If the Navigator is removed from the vehicle while switched on, a security prompt asking for the PIN to be entered is issued.

Screen brightness

Screen brightness is adjusted by the motorcycle while the unit is cradled. There is no provision for manual input.



Accessories

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Care

Care products

BMW Motorrad recommends that you use the cleaning and care products you can obtain from your authorised BMW Motorrad dealer. The substances in BMW Care Products have been tested in laboratories and in practice; they provide optimised care and protection for the materials used in your vehicle.

Use of unsuitable cleaning and care products

Damage to vehicle parts

 Do not use solvents such as cellulose thinners, cold cleaners, fuel or the like, and do not use cleaning products that contain alcohol.

Use of strongly acidic or strongly alkaline cleaning agents

Damage to vehicle parts

- Dilute in accordance with the dilution ratio stated on the packaging of the cleaning agent.
- Do not use strongly acidic or strongly alkaline cleaning agents.

Washing the vehicle

BMW Motorrad recommends that you use BMW insect remover to soften and wash off insects and stubborn dirt on painted parts prior to washing the vehicle.

To prevent stains, do not wash the vehicle immediately after it has been exposed to strong sunlight and do not wash it in the sun.

Make sure that the vehicle is washed frequently, especially during the winter months.

To remove road salt, clean the motorcycle with cold water immediately after every trip.

Wet brake discs and brake pads after vehicle wash, after riding through water and in rainy conditions

Diminished braking effect, risk of accident

 Apply the brakes in good time to allow the friction and heat to dry the brake discs and brake pads.

F ATTENTION

Effect of road salt intensified by warm water Corrosion Use only cold water to wash off road salt.◄

ATTENTION

Damage due to high water pressure from high pressure cleaners or steam cleaners

Corrosion or short circuit, damage to labels, seals, hydraulic brake system, electrical system and the motorcycle seat

• Exercise restraint when using a steam jet or high pressure cleaning equipment.

Cleaning easily damaged components

Plastics

EF ATTENTION

Use of unsuitable cleaning agents

Damage to plastic surfaces

- Do not use cleaning agents that contain alcohol, solvents or abrasives.
- Do not use insect-remover pads or cleaning pads with hard, scouring surfaces.

Body panels

Clean trim panel components with water and BMW Motorrad solvent cleaner.

Plastic windscreens and headlight lenses

Remove dirt and insects with a soft sponge and generous amounts of water.

Soften stubborn dirt and insects by covering the affected areas with a wet cloth.◄

Chrome

Carefully clean chrome sections with a generous amount of water and motorcycle cleaner from the care series BMW Motorrad Care Products. This applies especially where road salt has been in use. For an additional treatment, use BMW Motorrad metal polish.

Radiator

Clean the radiator regularly to prevent overheating of the engine due to inadequate cooling. For example, use a garden hose with low water pressure.

Bending of radiator fins

Damage to radiator fins

• Take care not to bend the radiator fins when cleaning.





Rubber

Treat rubber components with water or BMW rubber-care products.

Application of silicone sprays to rubber seals

Damage to the rubber seals

 Do not use silicone sprays or care products that contain silicon.

Care of paintwork

The long-term effects of materials that are damaging to paint can be prevented by regular vehicle washes, particularly if your vehicle is ridden in areas susceptible to high levels of air pollution or natural contamination, for example tree resin or pollen. Particularly aggressive materials, however, should be removed immediately, otherwise changes to or discolouration of the paint can result. These include, for example, spilled fuel, oil, grease, brake fluid or bird excrement. For this, we recommend BMW Motorrad solvent cleaner followed by BMW Motorrad gloss polish for preservation. Contamination of the paint surface can be seen particularly clearly after a vehicle wash. These areas should be cleaned immediately using benzine or spirit, applied with a clean cloth or cotton pad, BMW Motorrad recommends that tar spots be removed using BMW tar remover. The paint should then be preserved in these areas.

Vehicle preservation

If water no longer rolls off the paint, the paint must be preserved.

For paint preservation, BMW Motorrad recommends the use of BMW Motorrad gloss polish or agents containing carnauba wax or synthetic wax.

Laying up the motorcycle

- Clean the motorcycle.
- Fill the motorcycle's fuel tank with fuel.
- Remove the battery (IIII).
- Spray the brake and clutch lever pivots and the side-stand and centre-stand pivot mounts with a suitable lubricant.
- Coat bright metal and chromeplated parts with an acid-free grease (e.g. Vaseline).
- Park the motorcycle in a dry room so that no load applies to either wheel (preferably using the front-wheel and rearwheel stand available from BMW Motorrad).

Restoring motorcycle to use

- Remove the protective wax coating.
- Clean the motorcycle.
- Install the battery (IIII).
- Comply with checklist (m 136).



Care

Technical data

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Troubleshooting chart

The engine does not start.

Possible cause

Rectification

Side stand is extended	Retract the side stand.
Gear engaged and clutch not disengaged	Select neutral or pull the clutch lever.
No fuel in tank	Refuelling (IIII) 143).
Battery flat	Recharge the battery.
Overheating protection for starter motor has been activated. Starter motor can only be operated for a limited period of time.	Allow the starter motor to cool down for approx. 1 minute before using it again.

Front wheel	Value	Valid
Front brake caliper to wheel car- rier		
M8 x 30 - 10.9	28 Nm	
Clamping screw for quick-re- lease axle to wheel carrier		
M8 x 30	19 Nm	
Quick-release axle in threaded bush (wheel carrier)		
M24 x 1.5	50 Nm	
Rear wheel	Value	Valid
Rear wheel to wheel flange		
M10 x 1.25 x 40	Tightening sequence: tighten in diagon- ally opposite sequence	
	60 Nm	

12	Speakers	Value	Valid
214	Speaker to bracket/top section of fairing		
	M5 x 20	2.5 Nm	
	Base plate, wind deflector	Value	Valid
data	Wind deflector base plate on upper section of fairing		
cal	M5 x 25	1 Nm	
hnid	Wind deflector	Value	Valid
Tec	Wind deflector on wind deflector base plate		
	M5 x 20	2 Nm	
Fuel

Recommended fuel grade	Premium unleaded (maximum 15 % ethanol, E15) 95 ROZ/RON 90 AKI
Usable fuel capacity	approx. 26.5 I
Reserve fuel	approx. 4 l
Fuel consumption	approx. 5.9 I/100 km, according to WMTC
 with power reduction ^{OE} 	approx. 6.2 I/100 km, according to WMTC
CO2 emission	138 g/km, according to WMTC
 with power reduction ^{OE} 	143 g/km, according to WMTC
Exhaust emissions standard	Euro 4

Technical data

12	Engine oil	
010	Engine oil, capacity	approx. 4.5 l, with filter change
216	Specification	SAE 5W-40, API SL / JASO MA2, Additives
		(e.g. molybdenum-based) are not permissible because they can attack coated components
ta		of the engine, BMW Motorrad recommends BMW Motorrad ADVANTEC Ultimate oil.

BMW recommends

ADVANTEC ORIGINAL BMW ENGINE OIL

Ultim

Engine number location	Above oil filler neck
Engine type	166EA
Engine design	6-cylinder, four-stroke in-line engine arranged across the direction of travel, featuring four valves per cylinder, two overhead camshafts; liquid cool- ing, electronic fuel injection, integrated six-speed cassette gearbox, dry-sump lubrication.
Displacement	1649 cm ³
Cylinder bore	72.0 mm
Piston stroke	67.5 mm

Compression ratio	12.2:1
Nominal capacity	118 kW, at engine speed: 7750 min ⁻¹
- with power reduction OE	79 kW, at engine speed: 7750 min ⁻¹
Torque	175 Nm, at engine speed: 5250 min ⁻¹
- with power reduction OE	155 Nm, at engine speed: 4750 min ⁻¹
Maximum engine speed	max 8500 min ⁻¹
Idle speed	900 ^{±50} min ⁻¹ , Engine at regular operating temper- ature
Clutch	

Clutch type	Multi-disc oil bath
51	

Transmission

Type of transmission	Claw-shift 6-speed gearbox with helical gearing
Gearbox transmission ratios	1.617, Primary transmission ratio 2.230, 1st gear 1.641, 2nd gear 1.210, 2rd gear
	1.101, 4th gear 0.926, 5th gear
	0.788, 6th gear 0.913 (drive train 1.258 K), Transmission output
	ratio

Final drive

Type of final drive	Shaft drive with bevel gears
Type of rear suspension	Cast-aluminium single swinging arm with BMW Motorrad Paralever
Number of teeth in bevel gears (gear ratio)	2.750 (33:12)

Frame

Frame type	Aluminium composite bridge frame, engine also load bearing
Type plate location	Wheel carrier, front, top right
Position of the vehicle identification number	Rear part of the main frame above the swinging arm, pointing in the direction of travel

Suspension

Front wheel	
Type of front suspension	BMW Motorrad Duolever
Design of front wheel suspension	Central suspension strut with electrically adjustable damping action.
Spring travel, front	115 mm, at wheel
Rear wheel	

Type of rear-wheel suspension	Central spring strut with coil spring, adjustable rebound stage damping and spring preload
Spring travel, rear	135 mm, At wheel

12	Brakes Front wheel	
Technical data	Type of front brake	Hydraulically operated twin disc brake with 4-pis- ton fixed calipers and floating brake discs
	Brake-pad material, front	Sintered metal
	Brake disc thickness, front	5.0 mm, When new min 4.5 mm, Wear limit
	Play of brake controls (Front brake)	2.32.7 mm, Measuring point on the piston
	Rear wheel	
	Type of rear brake	Hydraulically operated disc brake with 2-piston floating caliper and fixed disc
	Brake-pad material, rear	Organic material
	Brake disc thickness, rear	5.5 mm, When new min 4.9 mm, Wear limit
	Blow-by clearance of the footbrake lever	min 1 mm, Measuring point between piston and pushrod

Wheels and tyres

Recommended tyre combinations	An overview of currently approved tyres is avail- able from your authorised BMW Motorrad Retailer or on the Internet at bmw-motorrad.com.	221
Speed category, front/rear tyres	W, required at least: 270 km/h	
Front wheel		5
Front-wheel type	Aluminium casting	ati
Front-wheel rim size	3.50" x 17"	pla
Tyre designation, front	120/70 ZR 17	<u>i</u>
Load index, front tyre	min. 58	hn
Wheel load, front, at unladen weight	166 kg	e
Permissible wheel load, front	max 212 kg	-
Permissible front-wheel imbalance	max 5 g	

12	Rear wheel	
	Rear-wheel type	Aluminium casting
222	Rear wheel rim size	6.00" x 17"
	Tyre designation, rear	190/55 ZR 17
	Load index, rear tyre	min. 75
<u>n</u>	Wheel load, rear, at unladen weight	184 kg
qa	Permissible wheel load, rear	max 368 kg
g	Permissible rear-wheel imbalance	max 45 g
nic	Tyre pressure	
Fech	Tyre pressure, front	2.9 bar, One-up and two-up mode with load; with cold tyres
	Tyre pressure, rear	2.9 bar, One-up and two-up mode with load; with cold tyres

Electrical system

Electrical rating of on-board sockets	max 10 A, All sockets in total	
Battery		
Battery type	AGM	
Battery rated voltage	12 V	
Battery rated capacity	16 Ah	
Spark plugs		
Spark plugs, manufacturer and designation	NGK LMAR8AI-8	
Light source		
Bulb for high-beam headlight	H7 12 V 55 W	
Bulbs for the low-beam headlight	Xenon D1S 12 V 35 W	
Bulb for parking light	LED ring light	
Bulb for tail light/brake light	LED	
Bulbs for turn indicators	LED	
Bulbs for flashing turn indicators, rear	LED	
Light source for the number plate light	W5W / 12 V / 5 W	

12	Fuses	
	Fuse carrier 1	40 A, Main fuse
224	Fuse carrier 2	7.5 A, Top slot: audio system7.5 A, Bottom slot: alarm system, central locking system

Anti-theft alarm

Anti-theft alarm

Activation time on arming	approx. 30 s
Alarm duration	approx. 26 s
Activation time between two alarms	15 s
Battery type	CR 1632 A

Remote control

Range of the remote control	approx. 10 m
Signal frequency	20 kHz, Broadband
Transmission frequency	433 MHz
Battery type and battery rated voltage (For remote control)	CR 2032 3 V

Dimensions

Length of motorcycle	2489 mm, over topcase
Height of motorcycle	14401560 mm, To windscreen at DIN unladen weight
Width of motorcycle	1000 mm, with mirrors
Height of rider's seat	750 mm, without rider
– with seat, high ^{OE}	780 mm, without rider
- with seat, extra high ^{OE}	810 mm, without rider
Rider's inside-leg arc, heel to heel	1720 mm, without rider at DIN unladen weight
– with seat, high ^{OE}	1770 mm, without rider at DIN unladen weight
- with seat, extra high ^{OE}	1830 mm, without rider at DIN unladen weight

1	2
2	26

Weights

Vehicle kerb weight	350 kg, DIN unladen weight with case, roadworthy, 90 % refuelled, without OE
Permissible gross vehicle weight	560 kg
Maximum payload	210 kg
Payload per case	max 10 kg
Payload of topcase	max 10 kg

Performance figures

Top speed	>200 km/h
Maximum speed for riding with a loaded case	max 180 km/h
Maximum speed for riding with a loaded topcase	max 180 km/h

Radio

Wavebands Wavebands

FM	87.5108.0 MHz
LW	153279 MHz, not available in all countries
MW	5311602 MHz
Station memory	Twelve system memory slots and twelve personal memory slots for each waveband

MP3

MP3 standard	MPEG1 Layer 3
Sampling rate	32 / 44.1 / 48 kHz
Bitrates	32, 40, 48, 56, 64, 80, 96, 112, 128, 160, 192, 224, 256, 320 kbit/s



Bluetooth

Frequency range	2.4022.480 GHz
Supported standards	1.2 and 2.0
Profiles	A2DP, SPP

External audio devices

Plug	3.5 mm, Stereo jack plug
Input-signal range	01 V, Effective

Speakers

Impedance	4 Ω
Output power	15 W, RMS, per speaker unit
Frequency range	2.4022.480 GHz

Service

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BMW Motorrad Service

BMW Motorrad has an extensive network of dealerships in place to look after you and your motorcycle in more than 100 countries. Authorised BMW Motorrad dealerships have the technical information and the technical know-how to carry out reliably all maintenance and repair work on your BMW.

You can locate your nearest authorised BMW Motorrad dealership by visiting our website:

bmw-motorrad.com



Maintenance and repair work not in compliance with correct procedure

Risk of accident due to consequential damage

 BMW Motorrad recommends having work of this nature carried out on the vehicle by a specialist workshop, preferably an authorised BMW Motorrad dealer.◄

In order to help ensure that your BMW is always in optimum condition, BMW Motorrad recommends compliance with the maintenance intervals specified for your motorcycle. Have all maintenance and repair work that is carried out confirmed in the "Service" chapter in this manual. For generous treatment of claims submitted after the warranty period has expired, evidence of regular maintenance is essential.

Your authorised BMW Motorrad dealer can provide information on BMW services and the work undertaken as part of each service.

BMW Motorrad Service history

Entries

Maintenance work that has been carried out is entered in the proof of maintenance. The entries are like a Service Booklet and provide proof of regular maintenance.

When an entry is made in the electronic service booklet of the vehicle, service-relevant data is saved in the central IT systems of BMW AG, Munich, Germany. If there is a change in vehicle owner, the data saved in the electronic service booklet can also be viewed by the new vehicle owner. A BMW Motorrad retailer or a specialist workshop can also view data that is stored in the electronic service booklet. The vehicle owner can object to entries being made by the BMW Motorrad retailer or a specialist workshop in the electronic service booklet along with the corresponding storage of data in the vehicle and transfer of data to the vehicle manufacturer for the period of time that they are the vehicle owner. In this instance, no entry is made in the electronic service booklet of the vehicle.

BMW Motorrad Mobility services

As owner of a new BMW motorcycle, in circumstances in which assistance is required you can benefit from the protection afforded by the various BMW Motorrad mobility services (e.g. Mobile Service, breakdown service, vehicle recovery service). Your authorised BMW Motorrad dealer will be happy provide information about the mobility services available to you.

Maintenance work

BMW Pre-delivery Check

Your authorised BMW Motorrad dealer conducts the BMW predelivery check before handing over the vehicle to you.

BMW Running-in Check

The BMW running-in check has to be performed when the motorcycle has covered between 500 km and 1200 km

BMW Service

The BMW Service is carried out once a year. The scope of the service depends on the age of the vehicle and the mileage ridden. Your BMW Motorrad Retailer will confirm the service that has been carried out for you and will enter the deadline for the next service.

For riders with a high mileage it may be necessary to have a service before the specified deadline. In this case, a corresponding maximum mileage is entered in the service confirmation. If this mileage is reached before the next service deadline, the service must be brought forward.

The service display in the multifunction display reminds you approx. one month or 1000 km in advance of the imminent service deadline before the entered values are reached.

To find out more about service, go to:

bmw-motorrad.com/service

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The scope of maintenance work required for your vehicle can be found in the following maintenance schedule:

Service

Service

3 4		500 -1200 km 300 - 750 mls	10 000 km 6 000 mls	20 000 km 12 000 mls	30 000 km 18 000 mls	40 000 km 24 000 mls	50 000 km 30 000 mls	60 000 km 36 000 mls	70 000 km 42 000 mls	80 000 km 48 000 mls	90 000 km 54 000 mls	100 000 km 60 000 mls	12 months	24 months
C G	1	x											20.00	
2	(2)												X	
ů	3	_	x	x	x	x	x	х	x	x	х	x	Xa	
	4			x		x		х		x		x		
	5				x			х			х			
	6				x			х			х			
	$\overline{\mathbf{O}}$													x
	8			x		x		х		х		x		Xp
	9												Xc	Xc

Maintenance schedule

- **1** BMW running-in check (including oil change)
- 2 BMW Service standard scope
- **3** Engine-oil change, with filter
- 4 Replace air filter element
- 5 Check valve clearance
- 6 Replace all spark plugs
- 7 Check the bearing for deflection on the rear wheel swinging arm
- 8 Oil change in bevel gears rear
- **9** Change brake fluid, entire system
- annually or every 10000 km (whichever comes first)
- every 2 years or every 20000 km (whichever comes first)
- for the first time after one year, then every two years

1<u>3</u> 235



Maintenance confirmations

BMW Service standard scope

The repair tasks in the BMW Service standard scope are listed below. The actual scope of maintenance work applicable for your vehicle may vary.

- Performing vehicle test with BMW Motorrad diagnosis system
- Draining the condensate hose
- Visual inspection of the brake lines, brake hoses and connections
- Checking front brake pads and brake discs for wear
- Checking brake-fluid level, front wheel brake
- Checking rear brake pads and brake disc for wear
- Checking brake-fluid level, rear wheel brake
- Visual inspection of clutch system
- Checking coolant level
- Checking tyre pressure and tread depth
- Check the side stand's ease of movement
- Checking ease of movement of the centre stand
- Check lighting and signalling system
- Function test, engine start suppression
- Final inspection and check for road safety
- Setting service date and remaining distance with BMW Motorrad diagnosis system
- Checking battery state of charge
- Confirming BMW service in on-board literature

BMW pre-delivery check carried out	BMW Running-in Check carried out	13 237
at	atOdometer reading <u>Next service</u> at the latest at or, when reached earlier Odometer reading	Service
Stamp, signature	Stamp, signature	

	work performed	Yes N
carried out	BMW Service	
at Odometer reading	Oil change, engine, with filter	
Next service at the latest	Checking valve clearance Checking valve clearance Renewing all spark plugs Oil change in rear bevel gears	
or, when reached earlier Odometer reading	 Change brake fluid in entire system 	
	Notes	

BMW Service	Work performed	Vac	No	239
carried out	BMW Service	Tes		
at Odometer reading	Oil change, engine, with filter Renewing air cleaner insert			
Next service at the latest at or, when reached earlier	Checking valve clearance Renewing all spark plugs Oil change in rear bevel gears Change brake fluid in entire system			Service
-	Notes			
Stomp cignoturo				

	work performed	Yes N
carried out	BMW Service	
at Odometer reading	Oil change, engine, with filter	
Next service	Checking valve clearance	
at the latest	Oil change in rear bevel gears	
or, when reached earlier Odometer reading	-	
	Notes	

BMW Service	Work performed	24
carried out	BMW Service	2.
at Odometer reading	Oil change, engine, with filter	
Next service at the latest at or, when reached earlier Odometer reading	Checking valve clearance	Service
	Notes	
Stamp signature		

	work performed	Yes N
carried out	BMW Service	
at Odometer reading	Oil change, engine, with filter	
Next service	Checking valve clearance	
at the latest	Renewing all spark plugs Oil change in rear bevel gears	
or, when reached earlier Odometer reading	Change brake fluid in entire system	
	Notes	

BMW Service	Work performed	Voc	No	24
carried out	BMW Service	res		
at Odometer reading	Oil change, engine, with filter Renewing air cleaner insert			
<u>Next service</u> at the latest at	Checking valve clearance Renewing all spark plugs Oil change in rear bevel gears Change brake fluid in optics system			Service
or, when reached earlier Odometer reading	-			0)
	Notes			

Divive Service	work performed	Yes N
camed out	BMW Service	
at Odometer reading	Oil change, engine, with filter	
Next service	Checking valve clearance	
at the latest	Renewing all spark plugs Oil change in rear bevel gears	
or, when reached earlier Odometer reading	Change brake fluid in entire system	
	Notes	

BMW Service	Work performed	Ves	No	24
carried out	BMW Service			
at Odometer reading	Oil change, engine, with filter Renewing air cleaner insert			
Next service at the latest at	Checking valve clearance Renewing all spark plugs Oil change in rear bevel gears Change brake fluid in entire system			Service
or, when reached earlier Odometer reading				
	Notes			

Divivy Service	work performed	Yes N
carried out	BMW Service	
at Odometer reading	Oil change, engine, with filter	
Next service	Checking valve clearance	
at the latest	Renewing all spark plugs Oil change in rear bevel gears	
or, when reached earlier Odometer reading	Change brake fluid in entire system	
	Notes	

BMW Service	Work performed	24
carried out	BMW Service	
at Odometer reading	Oil change, engine, with filter Renewing air cleaner insert	
Next service at the latest at	Checking valve clearance	Service
Odometer reading	-	
	Notes	

	work performed	Yes N
carried out	BMW Service	
at Odometer reading	Oil change, engine, with filter	
Next service	Checking valve clearance	
at the latest	Renewing all spark plugs Oil change in rear bevel gears	
or, when reached earlier Odometer reading	- Change brake fluid in entire system	
	Notes	

BMW Service	Work performed	Ves No	249
carried out	BMW Service		
at Odometer reading	Oil change, engine, with filter Renewing air cleaner insert		
Next service at the latest at	Checking valve clearance Renewing all spark plugs Oil change in rear bevel gears		ervice
or, when reached earlier Odometer reading	Change brake huid in entire system		0)
	Notes		

Service confirmations

The table is used to verify maintenance and repair work as well as installed optional accessories and purchased special promotions.

Work performed	Odometer reading	Date

Service

13
Work performed	Odometer reading	Date	13
			251
			ice
			Serv



Service

Appendix

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Declaration of Conformity

Radio equipment electronic immobiliser (EWS)

Simplified EU Declaration of Conformity acc. Radio Equipment Directive 2014/53/EU after 12.06.2016 and during transition period

CE

Technical information

Frequency Band: 134 kHz (Transponder: TMS37145 / TypeDST80, TMS3705 Transponder Base Station IC) Output Power : 50 dBµV/m

Manufacturer and Address

Manufacturer: BECOM Electronics GmbH Adress: Technikerstraße 1, A-7442 Hochstraß

Austria

Hiermit erklärt BECOM Electronics GmbH, dass der Funkanlagentyp EWS4 der Richtlinie 2014/53/EU entspricht. Der vollständige Text der EU-Konformitätserklärung ist unter der folgenden Internetadresse verfügbar: http://www.becom.at/de/download/

Belgium

Le soussigné, BECOM Electronics GmbH, déclare que l'équipement radioélectrique du type EWS4 est conforme à la directive 2014/53/UE. Le texte complet de la déclaration UE de conformité est disponible à l'adresse internet suivante:http://www.becom.at/de/download/

Bulgaria

С настоящото BECOM Electronics GmbH декларира, че този тип радиосъоръжение EWS4 е в съответствие с Директива 2014/53/EC.

Цялостният текст на EC декларацията за съответствие може да се намери на следния интернет адрес:

http://www.becom.at/de/download/

Cyprus

Με την παρούσα ο/η BECOM Electronics GmbH, δηλώνει ότι ο ραδιοεξοπλισμός EWS4 πληροί την οδηγία 2014/53/ΕΕ.

Το πλήρες κείμενο της δήλωσης συμμόρφωσης ΕΕ διατίθεται στην ακόλουθη ιστοσελίδα στο διαδίκτυο: http://www.becom.at/de/download/

Czech Republic

Tímto BECOM Electronics GmbH prohlašuje, že typ rádiového zařízení EWS4 je v souladu se směrnicí 2014/53/EU.

Úplné znění EU prohlášení o shodě je k dispozici na této internetové adrese:

http://www.becom.at/de/download/

Germany

Hiermit erklärt BECOM Electronics GmbH, dass der Funkanlagentyp EWS4 der Richtlinie 2014/53/EU entspricht. Der vollständige Text der EU-Konformitätserklärung ist unter der folgenden Internetadresse verfügbar: http://www.becom.at/de/download/

Denmark

Hermed erklærer BECOM Electronics GmbH, at radioudstyrstypen EWS4 er i overensstemmelse med direktiv 2014/53/EU.

EU-overensstemmelseserklæringens fulde tekst kan findes på følgende internetadresse: http://www.becom.at/de/download/

Estonia

Käesolevaga deklareerib BECOM Electronics GmbH, et käesolev raadioseadme tüüp EWS4 vastab direktiivi 2014/53/EL nõuetele. ELi vastavusdeklaratsiooni täielik tekst on kättesaadav järgmisel internetiaadressil: http://www.becom.at/de/download/

Spain

Por la presente, BECOM Electronics GmbH declara que el tipo de equipo radioeléctrico EWS4 es conforme con la Directiva 2014/53/UE. El texto completo de la declaración UE de conformidad está disponible en la dirección Internet siguiente: http://www.becom.at/de/download/

Finland

BECOM Electronics GmbH vakuuttaa, että radiolaitetyyppi EWS4 on direktiivin 2014/53/EU mukainen.

EU-vaatimustenmukaisuusvakuutuksen täysimittainen teksti on saatavilla seuraavassa internetosoitteessa:

http://www.becom.at/de/download/

France

Le soussigné, BECOM Electronics GmbH, déclare que l'équipement radioélectrique du type EWS4 est conforme à la directive 2014/53/UE. Le texte complet de la déclaration UE de conformité est disponible à l'adresse internet suivante: http://www.becom.at/de/download/

United Kingdom

Hereby, BECOM Electronics GmbH declares that the radio equipment type EWS4 is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address: http://www.becom.at/de/download/

Greece

Με την παρούσα ο/η BECOM Electronics GmbH, δηλώνει ότι ο ραδιοεξοπλισμός EWS4 πληροί την οδηγία 2014/53/ΕΕ.

Το πλήρες κείμενο της δήλωσης συμμόρφωσης ΕΕ διατίθεται στην ακόλουθη ιστοσελίδα στο διαδίκτυο: http://www.becom.at/de/download/

Croatia

BECOM Electronics GmbH ovime izjavljuje da je radijska oprema tipa EWS4 u skladu s Direktivom 2014/53/EU.

Cjeloviti tekst EU izjave o sukladnosti dostupan je na sljedećoj internetskoj adresi: http://www.becom.at/de/download/

Hungary

BECOM Electronics GmbH igazolja, hogy a EWS4 típusú rádióberendezés megfelel a 2014/53/EU irányelvnek.

Az EU-megfelelőségi nyilatkozat teljes szövege elérhető a következő internetes címen: http://www.becom.at/de/download/

Ireland

Hereby, BECOM Electronics GmbH declares that the radio equipment type EWS4 is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address: http://www.becom.at/de/download/

Italy

Il fabbricante, BECOM Electronics GmbH, dichiara che il tipo di apparecchiatura radio EWS4 è conforme alla direttiva 2014/53/UE. Il testo completo della dichiarazione di conformità UE è disponibile al seguente indirizzo Internet: http://www.becom.at/de/download/

Lithuania

Aš, BECOM Electronics GmbH, patvirtinu, kad radijo įrenginių tipas EWS4 atitinka Direktyvą 2014/53/ES.

Visas ES atitikties deklaracijos tekstas prieinamas šiuo interneto adresu:

http://www.becom.at/de/download/

Luxembourg

Le soussigné, BECOM Electronics GmbH, déclare que l'équipement radioélectrique du type EWS4 est conforme à la directive 2014/53/UE. Le texte complet de la déclaration UE de conformité est disponible à l'adresse internet suivante: http://www.becom.at/de/download/

Latvia

Ar šo BECOM Electronics GmbH deklarē, ka radioiekārta EWS4 atbilst Direktīvai 2014/53/ES. Pilns ES atbilstības deklarācijas teksts ir pieejams šādā interneta vietnē: http://www.becom.at/de/download/

Malta

B'dan, BECOM Electronics GmbH, niddikjara li dan it-tip ta' tagħmir tar-radju EWS4 huwa konformi mad-Direttiva 2014/53/UE. It-test kollu tad-dikjarazzjoni ta' konformità tal-UE huwa disponibbli f'dan l-indirizz tal-Internet li ġej: http://www.becom.at/de/download/

Netherlands

Hierbij verklaar ik, BECOM Electronics GmbH, dat het type radioapparatuur EWS4 conform is met Richtlijn 2014/53/EU.

De volledige tekst van de EU-

conformiteitsverklaring kan worden geraadpleegd op het volgende internetadres:

http://www.becom.at/de/download/

Poland

BECOM Electronics GmbH niniejszym oświadcza, że typ urządzenia radiowego EWS4 jest zgodny z dyrektywą 2014/53/UE.

Pełny tekst deklaracji zgodności UE jest dostępny pod następującym adresem internetowym: http://www.becom.at/de/download/

Portugal

O(a) abaixo assinado(a) BECOM Electronics GmbH declara que o presente tipo de equipamento de rádio EWS4 está em conformidade com a Diretiva 2014/53/UE. O texto integral da declaração de conformidade está disponível no seguinte endereço de Internet: http://www.becom.at/de/download/

Romania

Prin prezenta, BECOM Electronics GmbH declară că tipul de echipamente radio EWS4 este în conformitate cu Directiva 2014/53/UE. Textul integral al declarației UE de conformitate este disponibil la următoarea adresă internet: http://www.becom.at/de/download/

Sweden

Härmed försäkrar BECOM Electronics GmbH att denna typ av radioutrustning EWS4 överensstämmer med direktiv 2014/53/EU. Den fullständiga texten till EU-försäkran om överensstämmelse finns på följande webbadress: http://www.becom.at/de/download/

Slovenia

BECOM Electronics GmbH potrjuje, da je tip radijske opreme EWS4 skladen z Direktivo 2014/53/EU.

Celotno besedilo izjave EU o skladnosti je na voljo na naslednjem spletnem naslovu: http://www.becom.at/de/download/

Slovakia

BECOM Electronics GmbH týmto vyhlasuje, že rádiové zariadenie typu EWS4 je v súlade so smernicou 2014/53/EÚ. Úplné EÚ vyhlásenie o zhode je k dispozícii na tejto internetovej adrese: http://www.becom.at/de/download/

FCC Approval

Ring aerial in the ignition switch



To verify the authorization of the ignition key, the electronic immobilizer exchanges information with the ignition key via the ring aerial. This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Approbation de la FCC

Antenne annulaire présente dans le commutateur d'allumage



Pour vérifier l'autorisation de la clé de contact, le système d'immobilisation électronique échange des informations avec la clé de contact via l'antenne annulaire.

Le présent dispositif est conforme à la partie 15 des règles de la FCC. Son utilisation est soumise aux deux conditions suivantes :

- Le dispositif ne doit pas produire d'interférences nuisibles, et
- (2) le dispositif doit pouvoir accepter toutes les interférences extérieures, y compris celles qui pourraient provoquer une activation inopportune.

Toute modification qui n'aurait pas été approuvée expressément par l'organisme responsable de l'homologation peut annuler l'autorisation accordée à l'utilisateur pour utiliser le dispositif. ◄

Remote Control for central locking system



Česky

Meta System S.p.A. tímto prohlašuje, že tento PF240009 je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 1999/5/ES.

Dansk

Undertegnede Meta System S.p.A. erklærer herved, at følgende udstyr PF240009 overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF.

Deutsch

Hiermit erklärt Meta System S.p.A., dass sich das Gerät PF240009 in Übereinstimmung mit den grundlegenden Anforderungen und den übrigen einschlägigen Bestimmungen der Richtlinie 1999/5/EG befindet.

Eesti

Käesolevaga kinnitab Meta System S.p.A. seadme PF240009 vastavust direktiivi 1999/5/EÜ põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.

English

Hereby, Meta System S.p.A., declares that this PF240009 is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

Español

Por medio de la presente Meta System S.p.A. declara que el PF240009 cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE.

Ελληνική

ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ Meta System S.p.A. ΔΗΛΩΝΕΙ ΟΤΙ ΡF240009 ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 1999/5/ΕΚ.

Français

Par la présente Meta System S.p.A. déclare que l'appareil PF240009 est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE.

Italiano

Con la presente Meta System S.p.A. dichiara che questo PF240009 è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE.

Latviski

Ar šo Meta System S.p.A. deklarē, ka PF240009 atbilst Direktīvas 1999/5/EK būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.

Lietuvių

Šiuo Meta System S.p.A. deklaruoja, kad šis PF240009 atitinka esminius reikalavimus ir kitas 1999/5/EB Direktyvos nuostatas.

Nederlands

Hierbij verklaart Meta System S.p.A. dat het toestel PF240009 in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG.

Malti

Hawnhekk, Meta System S.p.A., jiddikjara li dan PF240009 jikkonforma mal-ħtiģijiet essenzjali u ma provvedimenti oħrajn relevanti li hemm fid-Dirrettiva 1999/5/EC.

Magyar

Alulírott, Meta System S.p.A. nyilatkozom, hogy a PF240009 megfelel a vonatkozó alapvető követelményeknek és az 1999/5/EC irányelv egyéb előírásainak.

Polski

Niniejszym Meta System S.p.A. oświadcza, że PF240009 jest zgodny z zasadniczymi wymogami oraz pozostałymi stosownymi postanowieniami Dyrektywy 1999/5/EC.

Português

Meta System S.p.A. declara que este PF240009 está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/CE.

Slovensko

Meta System S.p.A. izjavlja, da je ta PF240009 v skladu z bistvenimi zahtevami in ostalimi relevantnimi določili direktive 1999/5/ES.

Slovensky

Meta System S.p.A. týmto vyhlasuje, že PF240009 spĺňa základné požiadavky a všetky príslušné ustanovenia Smernice 1999/5/ES.

Suomi

Meta System S.p.A. vakuuttaa täten että PF240009 tyyppinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.

Svenska

Härmed intygar Meta System S.p.A. att denna PF240009 står I överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG.

Íslenska

Hér með lýsir Meta System S.p.A. yfir því að PF240009 er í samræmi við grunnkröfur og aðrar kröfur, sem gerðar eru í tilskipun 1999/5/EC.

Norsk

Meta System S.p.A. erklærer herved at utstyret PF240009 er i samsvar med de grunnleggende krav og øvrige relevante krav i direktiv 1999/5/EF.

USA, Canada

Product name: TX BMW MR FCC ID: P3O98400 IC:4429A - TXBMWMR

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. R&TTE Declaration Of Conformity (DoC)

€€0470

We:

Meta System S.p.A.

with the address:

Via Majakovskij 10 b/c/d/e 42124 Reggio Emilia –Italy

Declare

Under own responsibility that the product:

TX BMW MR

To which this declaration relates is in conformity with the essential requirements and other relevant requirements of the R&TTE Directive (1999/5/EC). This product is in conformity with the following standards:

Health & Safety (art.3.1) EMC (art.3.2) Spectrum Human exposure EN 60950-1 ETSI EN 301 489-1/-3 ETSI EN 300 220 - 2 EN 62311

According to Directive 1999/5/CE

Reggio Emilia , 14/07/2010

Technical Director Lasagni Cesare

Declaration of Conformity

Radio equipment Keyless Ride

Simplified EU Declaration of Conformity acc. Radio Equipment Directive 2014/53/EU after 12.06.2016 and during transition period

CE

Technical information

Frequency band: 434,42 MHz Maximum Transmission Power: 10 mW

Manufacturer and Address

Manufacturer: Huf Hülsbeck & Fürst GmbH & Co. KG, Steeger Str. 17, 42551 Velbert, Germany

Bŭlgarski

С настоящото Huf Hülsbeck & Fürst GmbH & Co. КG декларира, че този тип радиосъоръжение HUF5750 е в съответствие с Директива 2014/53/EC.

Цялостният текст на EC декларацията за съответствие може да се намери на следния интернет адрес: http://www.hufgroup.com/eudoc/

Česky

Tímto Huf Hülsbeck & Fürst GmbH & Co. KG prohlašuje, že typ rádiového zařízení HUF5750 je v souladu se směrnicí 2014/53/EU. Úplné znění EU prohlášení o shodě je k dispozici na této internetové adrese: http://www.hufgroup.com/eudoc

Dansk

Hermed erklærer Huf Hülsbeck & Fürst GmbH & Co. KG, at radioudstyrstypen HUF5750 er i overensstemmelse med direktiv 2014/53/EU. EU-overensstemmelseserklæringens fulde tekst kan findes på følgende internetadresse: http://www.huf-group.com/eudoc

Deutsch

Hiermit erklärt Huf Hülsbeck & Fürst GmbH & Co. KG, dass der Funkanlagentyp HUF5750 der Richtlinie 2014/53/EU entspricht. Der vollständige Text der EU-Konformitätserklärung ist unter der folgenden Internetadresse verfügbar: http://www.hufgroup.com/eudoc

Eesti

Käesolevaga deklareerib Huf Hülsbeck & Fürst GmbH & Co. KG, et käesolev raadioseadme tüüp HUF5750 vastab direktiivi 2014/53/EL nõuetele. ELi vastavusdeklaratsiooni täielik tekst on kättesaadav järgmisel internetiaadressil: http://www.huf-group.com/eudoc

English

Hereby, Huf Hülsbeck & Fürst GmbH & Co. KG declares that the radio equipment type HUF5750 is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: http:// www.huf-group.com/eudoc

Español

Por la presente, Huf Hülsbeck & Fürst GmbH & Co. KG declara que el tipo de equipo radioeléctrico HUF5750 es conforme con la Directiva 2014/53/UE. El texto completo de la declaración UE de conformidad está disponible en la dirección Internet siguiente: http://www.hufgroup.com/eudoc

Français

Le soussigné, Huf Hülsbeck & Fürst GmbH & Co. KG, déclare que l'équipement radioélectrique du type HUF5750 est conforme à la directive 2014/53/UE.

Le texte complet de la déclaration UE de conformité est disponible à l'adresse internet suivante: http://www.huf-group.com/eudoc

Hrvatski

Huf Hülsbeck & Fürst GmbH & Co. KG ovime izjavljuje da je radijska oprema tipa HUF5750 u skladu s Direktivom 2014/53/EU. Cjeloviti tekst EU izjave o sukladnosti dostupan je na sljedećoj internetskoj adresi: http://www.hufgroup.com/eudoc

Íslenska

Hér Hülsbeck & Fürst GmbH & Co. KG að radíóbúnaður gerð HUF5750 tilskipunar 2014/53/EB samsvarandi.

The fullur texti af ESB-samræmisyfirlýsing er í boði á eftirfarandi veffang: http://www.hufgroup.com/eudoc

Italiano

Il fabbricante, Huf Hülsbeck & Fürst GmbH & Co. KG, dichiara che il tipo di apparecchiatura radio HUF5750 è conforme alla direttiva 2014/53/UE. Il testo completo della dichiarazione di conformità UE è disponibile al seguente indirizzo Internet: http://www.huf-group.com/eudoc

Latviski

Ar šo Huf Hülsbeck & Fürst GmbH & Co. KG deklarē, ka radioiekārta HUF5750 atbilst Direktīvai 2014/53/ES.

Pilns ES atbilstības deklarācijas teksts ir pieejams šādā interneta vietnē: http://www.huf-

group.com/eudoc

Lietuvių

Aš, Huf Hülsbeck & Fürst GmbH & Co. KG, patvirtinu, kad radijo įrenginių tipas HUF5750 atitinka Direktyvą 2014/53/ES. Visas ES atitikties deklaracijos tekstas prieinamas šiuo interneto adresu: http://www.hufgroup.com/eudoc

Magyar

Huf Hülsbeck & Fürst GmbH & Co. KG igazolja, hogy a HUF5750 típusú rádióberendezés megfelel a 2014/53/EU irányelvnek. Az EU-megfelelőségi nyilatkozat teljes szövege elérhető a következő internetes címen: http://www.huf-group.com/eudoc

Malti

B'dan, Huf Hülsbeck & Fürst GmbH & Co. KG, niddikjara li dan it-tip ta' tagħmir tar-radju HUF5750 huwa konformi mad-Direttiva 2014/53/UE.

It-test kollu tad-dikjarazzjoni ta' konformità tal-UE huwa disponibbli f'dan I-indirizz tal-Internet li ġej: http://www.huf-group.com/eudoc

Nederlands

Hierbij verklaar ik, Huf Hülsbeck & Fürst GmbH & Co. KG, dat het type radioapparatuur HUF5750 conform is met Richtlijn 2014/53/EU. De volledige tekst van de EUconformiteitsverklaring kan worden geraadpleegd op het volgende internetadres: http://www.hufgroup.com/eudoc

Norsk

Herved Huf Hülsbeck & Fürst GmbH & Co. KG at radioutstyrstype HUF5750 i direktiv 2014/53/EU tilsvarende.

Den fullstendige teksten i EU-erklæring er tilgjengelig på følgende internettadresse: http://www.huf-group.com/eudoc

Polski

Huf Hülsbeck & Fürst GmbH & Co. KG niniejszym oświadcza, że typ urządzenia radiowego HUF5750 jest zgodny z dyrektywą 2014/53/UE. Pełny tekst deklaracji zgodności UE jest dostępny pod następującym adresem internetowym: http://www.huf-group.com/eudoc

Português

O(a) abaixo assinado(a) Huf Hülsbeck & Fürst GmbH & Co. KG declara que o presente tipo de equipamento de rádio HUF5750 está em conformidade com a Diretiva 2014/53/UE. O texto integral da declaração de conformidade está disponível no seguinte endereço de Internet: http://www.huf-group.com/eudoc

Românesc

Prin prezenta, Huf Hülsbeck & Fürst GmbH & Co. KG declară că tipul de echipamente radio HUF5750 este în conformitate cu Directiva 2014/53/UE.

Textul integral al declarației UE de conformitate este disponibil la următoarea adresă internet: http://www.huf-group.com/eudoc

Slovensko

Huf Hülsbeck & Fürst GmbH & Co. KG potrjuje, da je tip radijske opreme HUF5750 skladen z Direktivo 2014/53/EU.

Celotno besedilo izjave EU o skladnosti je na voljo na naslednjem spletnem naslovu: http://www.hufgroup.com/eudoc

Slovensky

Huf Hülsbeck & Fürst GmbH & Co. KG týmto vyhlasuje, že rádiové zariadenie typu HUF5750 je v súlade so smernicou 2014/53/EÚ. Úplné EÚ vyhlásenie o zhode je k dispozícii na tejto internetovej adrese: http://www.hufgroup.com/eudoc

Suomi

Huf Hülsbeck & Fürst GmbH & Co. KG vakuuttaa, että radiolaitetyyppi HUF5750 on direktiivin 2014/53/EU mukainen. EU-vaatimustenmukaisuusvakuutuksen täysimittainen teksti on saatavilla seuraavassa internetosoitteessa: http://www.hufgroup.com/eudoc

Svenska

Härmed försäkrar Huf Hülsbeck & Fürst GmbH & Co. KG att denna typ av radioutrustning HUF5750 överensstämmer med direktiv 2014/53/EU. Den fullständiga texten till EU-försäkran om överensstämmelse finns på följande webbadress: http://www.huf-group.com/eudoc

Ελληνική

Με την παρούσα ο/η Huf Hülsbeck & Fürst, δηλώνει ότι ο ραδιοεξοπλισμός HUF5750 πληροί την οδηγία 2014/53/EE.

Το πλήρες κείμενο της δήλωσης συμμόρφωσης ΕΕ διατίθεται στην ακόλουθη ιστοσελίδα στο διαδίκτυο: http://www.huf-group.com/eudoc

BMW Keyless Ride ID Device



USA. Canada

Product name: BMW Keyless Ride ID Device ECC ID: YGOHUE5750 IC: 4008C-HUF5750

Canada

Operation is subject to the following two conditions.

(1) This device may not cause harmful interference, and

(2) this device must accept any interference received, including interference that may cause undesired operation.

USA-

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference. and

(2) this device must accept any interference received, including interference that may cause undesired operation.

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Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Declaration Of Conformity

We declare under our responsibility that the product

BMW Keyless Ride ID Device (Model: HUF5750)

camplies with the appropriate essential requirements of the article 3 of the R&TIE and the other relevant provisions, when used for its intended purpose. Applied Standards:

1. Health and safety requirements contained in article 3 (1) a)

- EN 60950-1:2006+A11:2009+A1:2010+A12:2011; Information technology equipment- Safety
- 2. Protection requirements with respect to electromagnetic compatibility article 3 (1) b)
 - EN 301 489-1 (V1 .9.2, 09/2011), Electromagnetic compatibility and radio spectrum matters (ERM); Electromagnetic compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements
 - EN 301 489-3 (V1.4.1, 08/2002) Electromagnetic compatibility and radio spectrum matters (ERM); Electromagnetic compatibility (EMC) standard for radio equipment and services; Part 3: Specific conditions for short range devices (SRD) operating on frequencies between 9 kHz and 40 GHz
- 3. Means of the efficient use of the radio frequency spectrum article 3 (2)
 - EN 300 220-1 & -2 (V2.4.1, 05/2012), electromagnetic compatibility and radio spectrum matters (ERM); Short
 range devices (SRD); Radio equipment tobe used in the 25 MHz to 1000 MHz frequency range with power leveis
 ranging up to 500 mW;

Part 1: Technical characteristics and test methods.

Part 2: Harmonized EN covering essential requirements under article 3.2 of the R&TIE directive

The product is labeted wilh the CE marking:

Velbert, October 15th, 2013

Begiamin A. Müller

Product Development Systems Car Access and Immobilization – Electronics Huf Hülsbeck & Fürst GmbH & Co. KG Steeger Straße 17, D-42551 Velbert

Declaration of Conformity

Radio equipment tyre pressure control (RDC)

Simplified EU Declaration of Conformity acc. Radio Equipment Directive 2014/53/EU after 12.06.2016 and during transition period

CE

Technical information

Frequency Band: 433.895 - 433.945 MHz Output Power : <10 mW e.r.p.

Manufacturer and Address

Manufacturer: Schrader Electronics Ltd. Adress: Technology Park, Antrim, N. Ireland BT41 1QS, United Kingdom

Austria

Hiermit erklärt Schrader Electronics Ltd., dass der Funkanlagentyp BC5A4 der Richtlinie 2014/53/EU entspricht. Der vollständige Text der EU-Konformitätserklärung ist unter der folgenden Internetadresse verfügbar: http://www.tpmseuroshop.com/documents/declar ation_conformities

Belgium

Le soussigné, Schrader Electronics Ltd., déclare que l'équipement radioélectrique du type BC5A4 est conforme à la directive 2014/53/UE. Le texte complet de la déclaration UE de conformité est disponible à l'adresse internet suivante:

Bulgaria

С настоящото Schrader Electronics Ltd. декларира, че този тип радиосъоръжение BC5A4 е в съответствие с Директива 2014/53/EC.

Цялостният текст на EC декларацията за съответствие може да се намери на следния интернет адрес:

http://www.tpmseuroshop.com/documents/declar ation_conformities

Cyprus

Με την παρούσα ο/η Schrader Electronics Ltd., δηλώνει ότι ο ραδιοεξοπλισμός BC5A4 πληροί την οδηγία 2014/53/EE.

Το πλήρες κείμενο της δήλωσης συμμόρφωσης ΕΕ διατίθεται στην ακόλουθη ιστοσελίδα στο διαδίκτυο:

http://www.tpmseuroshop.com/documents/declar ation_conformities

Czech Republic

Tímto Schrader Electronics Ltd. prohlašuje, že typ rádiového zařízení BC5A4 je v souladu se směrnicí 2014/53/EU.

Úplné znění EU prohlášení o shodě je k dispozici na této internetové adrese: http://www.tpmseuroshop.com/documents/declar ation_conformities

Germany

Hiermit erklärt Schrader Electronics Ltd., dass der Funkanlagentyp BC5A4 der Richtlinie 2014/53/EU entspricht. Der vollständige Text der EU-Konformitätserklärung ist unter der folgenden Internetadresse verfügbar: http://www.tpmseuroshop.com/documents/declar ation_conformities

Denmark

Hermed erklærer Schrader Electronics Ltd., at radioudstyrstypen BC5A4 er i overensstemmelse med direktiv 2014/53/EU.

EU-overensstemmelseserklæringens fulde tekst kan findes på følgende internetadresse:

Estonia

Käesolevaga deklareerib Schrader Electronics Ltd., et käesolev raadioseadme tüüp BC5A4 vastab direktiivi 2014/53/EL nõuetele. ELi vastavusdeklaratsiooni täielik tekst on kättesaadav järgmisel internetiaadressil: http://www.tpmseuroshop.com/documents/declar ation_conformities

Spain

Por la presente, Schrader Electronics Ltd. declara que el tipo de equipo radioeléctrico BC5A4 es conforme con la Directiva 2014/53/UE. El texto completo de la declaración UE de conformidad está disponible en la dirección Internet siguiente:

http://www.tpmseuroshop.com/documents/declar ation_conformities

Finland

Schrader Electronics Ltd. vakuuttaa, että radiolaitetyyppi BC5A4 on direktiivin 2014/53/EU mukainen.

EU-vaatimustenmukaisuusvakuutuksen täysimittainen teksti on saatavilla seuraavassa internetosoitteessa:

http://www.tpmseuroshop.com/documents/declar ation_conformities

France

Le soussigné, Schrader Electronics Ltd., déclare que l'équipement radioélectrique du type BC5A4 est conforme à la directive 2014/53/UE. Le texte complet de la déclaration UE de conformité est disponible à l'adresse internet suivante:

United Kingdom

Hereby, Schrader Electronics Ltd. declares that the radio equipment type BC5A4 is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address:

http://www.tpmseuroshop.com/documents/declar ation_conformities

Greece

Με την παρούσα ο/η Schrader Electronics Ltd., δηλώνει ότι ο ραδιοεξοπλισμός BC5A4 πληροί την οδηγία 2014/53/EE.

Το πλήρες κείμενο της δήλωσης συμμόρφωσης ΕΕ διατίθεται στην ακόλουθη ιστοσελίδα στο διαδίκτυο:

http://www.tpmseuroshop.com/documents/declar ation_conformities

Croatia

Schrader Electronics Ltd. ovime izjavljuje da je radijska oprema tipa BC5A4 u skladu s Direktivom 2014/53/EU.

Cjeloviti tekst EU izjave o sukladnosti dostupan je na sljedećoj internetskoj adresi:

http://www.tpmseuroshop.com/documents/declar ation_conformities

Hungary

Schräder Electronics Ltd. igazolja, hogy a BC5A4 típusú rádióberendezés megfelel a 2014/53/EU irányelvnek.

Az ÉU-megfelelőségi nyilatkozat teljes szövege elérhető a következő internetes címen: http://www.tpmseuroshop.com/documents/declar ation_conformities

Ireland

Hereby, Schrader Electronics Ltd. declares that the radio equipment type BC5A4 is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address:

Italy

Il fabbricante, Schrader Electronics Ltd., dichiara che il tipo di apparecchiatura radio BC5A4 è conforme alla direttiva 2014/53/UE.

Il testo completo della dichiarazione di conformità UE è disponibile al seguente indirizzo Internet:

http://www.tpmseuroshop.com/documents/declar ation_conformities

Lithuania

Aš, Schrader Electronics Ltd., patvirtinu, kad radijo įrenginių tipas BC5A4 atitinka Direktyvą 2014/53/ES.

Visas ES atitikties deklaracijos tekstas prieinamas šiuo interneto adresu:

http://www.tpmseuroshop.com/documents/declar ation_conformities

Luxembourg

Le soussigné, Schrader Electronics Ltd., déclare que l'équipement radioélectrique du type BC5A4 est conforme à la directive 2014/53/UE.

Le texte complet de la déclaration UE de conformité est disponible à l'adresse internet suivante:

http://www.tpmseuroshop.com/documents/declar ation_conformities

Latvia

Ar šo Schrader Electronics Ltd. deklarē, ka radioiekārta BC5A4 atbilst Direktīvai 2014/53/ES. Pilns ES atbilstības deklarācijas teksts ir pieejams šādā interneta vietnē:

http://www.tpmseuroshop.com/documents/declar ation_conformities

Malta

B'dan, Schrader Electronics Ltd., niddikjara li dan it-tip ta' tagħmir tar-radju BC5A4 huwa konformi mad-Direttiva 2014/53/UE. It-test kollu tad-dikjarazzjoni ta' konformità tal-UE huwa disponibbli f'dan I-indirizz tal-Internet li ġej: http://www.tpmseuroshop.com/documents/declar ation_conformities

Netherlands

Hierbij verklaar ik, Schrader Electronics Ltd., dat het type radioapparatuur BC5A4 conform is met Richtlijn 2014/53/EU.

De volledige tekst van de EU-

conformiteitsverklaring kan worden geraadpleegd op het volgende internetadres:

http://www.tpmseuroshop.com/documents/declar ation_conformities

Poland

Schrader Electronics Ltd. niniejszym oświadcza, że typ urządzenia radiowego BC5A4 jest zgodny z dyrektywą 2014/53/UE.

Pełny tekst deklaracji zgodności UE jest dostępny pod następującym adresem internetowym: http://www.tpmseuroshop.com/documents/declar ation_conformities

Portugal

O(a) abaixo assinado(a) Schrader Electronics Ltd. declara que o presente tipo de equipamento de rádio BC5A4 está em conformidade com a Diretiva 2014/53/UE. O texto integral da declaração de conformidade está disponível no seguinte endereço de Internet: http://www.tpmseuroshop.com/documents/declar ation_conformities

Romania

Prin prezenta, Schrader Electronics Ltd. declară că tipul de echipamente radio BC5A4 este în conformitate cu Directiva 2014/53/UE. Textul integral al declarației UE de conformitate este disponibil la următoarea adresă internet: http://www.tpmseuroshop.com/documents/declar ation_conformities

Sweden

Härmed försäkrar Schrader Electronics Ltd. att denna typ av radioutrustning BC5A4 överensstämmer med direktiv 2014/53/EU. Den fullständiga texten till EU-försäkran om överensstämmelse finns på följande webbadress: http://www.tpmseuroshop.com/documents/declar ation_conformities

Slovenia

Schrader Electronics Ltd. potrjuje, da je tip radijske opreme BC5A4 skladen z Direktivo 2014/53/EU.

Celotno besedilo izjave EU o skladnosti je na voljo na naslednjem spletnem naslovu:

http://www.tpmseuroshop.com/documents/declar ation_conformities

Slovakia

Schrader Electronics Ltd. týmto vyhlasuje, že rádiové zariadenie typu BC5A4 je v súlade so smernicou 2014/53/EÚ. Úplné EÚ vyhlásenie o zhode je k dispozícii na tejto internetovej adrese: http://www.tpmseuroshop.com/documents/declar ation conformities

Certification Tire Pressure Control (TPC)

FCC ID: MRXBC54MA4 IC: 2546A-BC54MA4 FCC ID: MRXBC5A4 IC: 2546A-BC5A4

This device complies with Part 15 of the FCC Rules and with Industry Canada license-exempt RSS standard(s).

Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

WARNING: Changes or modifications not expressively approved by the party responsible for compliance could void the user's authority to operate the equipment. The term "IC:" before the radio certification number only signifies that Industry Canada technical specifications were met.

Declaration of Conformity

Radio equipment intelligent emergency call

Simplified EU Declaration of Conformity acc. Radio Equipment Directive 2014/53/EU after 12.06.2016 and during transition period

CE

Technical information

Antenna internal: Frequency Band: 880 MHz - 915 MHz Radiated Power [TRP]: < 22 dBm Not acessable by user: Frequency Band: 1710 MHz - 1785 MHz Radiated Power [TRP]: < 26 dBm Frequency Band: 1920 MHz - 1980 MHz Radiated Power [TRP]: < 22 dBm Frequency Band: 880 MHz - 915 MHz Radiated Power [TRP]: < 23 dBm

Manufacturer and Address

Manufacturer: Robert Bosch Car Multimedia GmbH Adress: Robert Bosch Str. 200, 31139 Hildesheim, GERMANY

Austria

Hiermit erklärt Robert Bosch Car Multimedia GmbH, dass der Funkanlagentyp TPM E-CALL EU der Richtlinie 2014/53/EU entspricht. Der vollständige Text der EU-Konformitätserklärung ist unter der folgenden Internetadresse verfügbar: http://cert.boschcarmultimedia.net/

Belgium

Le soussigné, Robert Bosch Car Multimedia GmbH, déclare que l'équipement radioélectrique du type TPM E-CALL EU est conforme à la directive 2014/53/UE. Le texte complet de la déclaration UE de conformité est disponible à l'adresse internet suivante:http://cert.bosch-carmultimedia.net

Bulgaria

С настоящото Robert Bosch Car Multimedia GmbH декларира, че този тип радиосъоръжение ТРМ E-CALL EU е в съответствие с Директива 2014/53/EC. Цялостният текст на EC декларацията за съответствие може да се намери на следния интернет адрес: http://cert.boschcarmultimedia.net/

Cyprus

Με την παρούσα ο/η Robert Bosch Car Multimedia GmbH, δηλώνει ότι ο ραδιοεξοπλισμός TPM E-CALL EU πληροί την οδηγία 2014/53/EE.

Το πλήρες κείμενο της δήλωσης συμμόρφωσης ΕΕ διατίθεται στην ακόλουθη ιστοσελίδα στο διαδίκτυο: http://cert.bosch-carmultimedia.net/

Czech Republic

Tímto Robert Bosch Car Multimedia GmbH prohlašuje, že typ rádiového zařízení TPM E-CALL EU je v souladu se směrnicí 2014/53/EU. Úplné znění EU prohlášení o shodě je k dispozici na této internetové adrese: http://cert.boschcarmultimedia.net

Germany

Hiermit erklärt Robert Bosch Car Multimedia GmbH, dass der Funkanlagentyp TPM E-CALL EU der Richtlinie 2014/53/EU entspricht. Der vollständige Text der EU-Konformitätserklärung ist unter der folgenden Internetadresse verfügbar: http://cert.boschcarmultimedia.net

Denmark

Hermed erklærer Robert Bosch Car Multimedia GmbH, at radioudstyrstypen TPM E-CALL EU er i overensstemmelse med direktiv 2014/53/EU. EU-overensstemmelseserklæringens fulde tekst kan findes på følgende internetadresse: http://cert.bosch-carmultimedia.net

Estonia

Käesolevaga deklareerib Robert Bosch Car Multimedia GmbH, et käesolev raadioseadme tüüp TPM E-CALL EU vastab direktiivi 2014/53/EL nõuetele. ELi vastavusdeklaratsiooni täielik tekst on kättesaadav järgmisel internetiaadressil: http://cert.bosch-carmultimedia.net

Spain

Por la presente, Robert Bosch Car Multimedia GmbH declara que el tipo de equipo radioeléctrico TPM E-CALL EU es conforme con la Directiva 2014/53/UE. El texto completo de la declaración UE de conformidad está disponible en la dirección Internet siguiente: http://cert.boschcarmultimedia.net

Finland

Robert Bosch Car Multimedia GmbH vakuuttaa, että radiolaitetyyppi TPM E-CALL EU on direktiivin 2014/53/EU mukainen. EU-vaatimustenmukaisuusvakuutuksen täysimittainen teksti on saatavilla seuraavassa internetosoitteessa: http://cert.boschcarmultimedia.net

France

Le soussigné, Robert Bosch Car Multimedia GmbH, déclare que l'équipement radioélectrique du type TPM E-CALL EU est conforme à la directive 2014/53/UE. Le texte complet de la déclaration UE de conformité est disponible à l'adresse internet suivante: http://cert.bosch-carmultimedia.net

United Kingdom

Hereby, Robert Bosch Car Multimedia GmbH declares that the radio equipment type TPM E-CALL EU is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address: http://cert.bosch-carmultimedia.net

Greece

Με την παρούσα ο/η Robert Bosch Car Multimedia GmbH, δηλώνει ότι ο ραδιοεξοπλισμός TPM E-CALL EU πληροί την οδηγία 2014/53/EE.

Το πλήρες κείμενο της δήλωσης συμμόρφωσης ΕΕ διατίθεται στην ακόλουθη ιστοσελίδα στο διαδίκτυο: http://cert.bosch-carmultimedia.net

Croatia

Robert Bosch Car Multimedia GmbH ovime izjavljuje da je radijska oprema tipa TPM E-CALL EU u skladu s Direktivom 2014/53/EU. Cjeloviti tekst EU izjave o sukladnosti dostupan je na sljedećoj internetskoj adresi: http://cert.boschcarmultimedia pet

Hungary

Robert Bosch Car Multimedia GmbH igazolja, hogy a TPM E-CALL EU típusú rádióberendezés megfelel a 2014/53/EU irányelvnek. Az EU-megfelelőségi nyilatkozat teljes szövege elérhető a következő internetes címen: http://cert.bosch-carmultimedia.net

Ireland

Hereby, Robert Bosch Car Multimedia GmbH declares that the radio equipment type TPM E-CALL EU is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address: http://cert.bosch-carmultimedia.net

Italy

Il fabbricante, Robert Bosch Car Multimedia GmbH, dichiara che il tipo di apparecchiatura radio TPM E-CALL EU è conforme alla direttiva 2014/53/UE.

Il testo completo della dichiarazione di conformità UE è disponibile al seguente indirizzo Internet: http://cert.bosch-carmultimedia.net

Lithuania

Aš, Robert Bosch Car Multimedia GmbH, patvirtinu, kad radijo įrenginių tipas TPM E-CALL EU atitinka Direktyvą 2014/53/ES. Visas ES atitikties deklaracijos tekstas prieinamas šiuo interneto adresu: http://cert.boschcarmultimedia.net

Luxembourg

Le soussigné, Robert Bosch Car Multimedia GmbH, déclare que l'équipement radioélectrique du type TPM E-CALL EU est conforme à la directive 2014/53/UE. Le texte complet de la déclaration UE de

conformité est disponible à l'adresse internet suivante: http://cert.bosch-carmultimedia.net

Latvia

Ar šo Robert Bosch Car Multimedia GmbH deklarē, ka radioiekārta TPM E-CALL EU atbilst Direktīvai 2014/53/ES.

Pilns ES atbilstības deklarācijas teksts ir pieejams šādā interneta vietnē: http://cert.bosch-

carmultimedia.net

Malta

B'dan, Robert Bosch Car Multimedia GmbH, niddikjara li dan it-tip ta' tagħmir tar-radju TPM E-CALL EU huwa konformi mad-Direttiva 2014/53/UE.

It-test kollu tad-dikjarazzjoni ta' konformità tal-UE huwa disponibbli f'dan l-indirizz tal-Internet li ġej: http://cert.bosch-carmultimedia.net

Netherlands

Hierbij verklaar ik, Robert Bosch Car Multimedia GmbH, dat het type radioapparatuur TPM E-CALL EU conform is met Richtlijn 2014/53/EU. De volledige tekst van de EUconformiteitsverklaring kan worden geraadpleegd

op het volgende internetadres: http://cert.boschcarmultimedia.net

Poland

Robert Bosch Car Multimedia GmbH niniejszym oświadcza, że typ urządzenia radiowego TPM E-CALL EU jest zgodny z dyrektywą 2014/53/UE. Pełny tekst deklaracji zgodności UE jest dostępny pod następującym adresem internetowym: http://cert.bosch-carmultimedia.net

Portugal

O(a) abaixo assinado(a) Robert Bosch Car Multimedia GmbH declara que o presente tipo de equipamento de rádio TPM E-CALL EU está em conformidade com a Diretiva 2014/53/UE. O texto integral da declaração de conformidade está disponível no seguinte endereço de Internet: http://cert.bosch-carmultimedia.net

Romania

Prin prezenta, Robert Bosch Car Multimedia GmbH declară că tipul de echipamente radio TPM E-CALL EU este în conformitate cu Directiva 2014/53/UE.

Textul integral al declarației UE de conformitate este disponibil la următoarea adresă internet: http://cert.bosch-carmultimedia.net

Sweden

Härmed försäkrar Robert Bosch Car Multimedia GmbH att denna typ av radioutrustning TPM E-CALL EU överensstämmer med direktiv 2014/53/EU.

Den fullständiga texten till EU-försäkran om överensstämmelse finns på följande webbadress: http://cert.bosch-carmultimedia.net

Slovenia

Robert Bosch Car Multimedia GmbH potrjuje, da je tip radijske opreme TPM E-CALL EU skladen z Direktivo 2014/53/EU.

Celotno besedilo izjave EU o skladnosti je na voljo na naslednjem spletnem naslovu: http://cert.bosch-carmultimedia.net

Slovakia

Robert Bosch Car Multimedia GmbH týmto vyhlasuje, že rádiové zariadenie typu TPM E-CALL EU je v súlade so smernicou 2014/53/EÚ. Úplné EÚ vyhlásenie o zhode je k dispozícii na tejto internetovej adrese: http://cert.boschcarmultimedia.net
Declaration of Conformity

Radio equipment anti-theft alarm (DWA)

Simplified EU Declaration of Conformity acc. Radio Equipment Directive 2014/53/EU after 12.06.2016 and during transition period

CE

Technical information

Frequency Band: 433.05-434.79 MHz Output Power: 10 mW e.r.p.

Manufacturer and Address

Manufacturer: Meta System S.p.A. Adress: Via Galimberti 5 42124 Reggio Emilia - Italy –

Austria

Hiermit erklärt Meta System S.p.A., dass der Funkanlagentyp TXBMWMR der Richtlinie 2014/53/EU entspricht. Der vollständige Text der EU-Konformitätserklärung ist unter der folgenden Internetadresse verfügbar: https://docs.metasystem.it/

Belgium

Le soussigné, Meta System S.p.A., déclare que l'équipement radioélectrique du type TXBMWMR est conforme à la directive 2014/53/UE. Le texte complet de la déclaration UE de conformité est disponible à l'adresse internet suivante:https://docs.metasystem.it/

Bulgaria

С настоящото Meta System S.p.A. декларира, че този тип радиосъоръжение TXBMWMR е в съответствие с Директива 2014/53/ЕС. Цялостният текст на ЕС декларацията за съответствие може да се намери на следния интернет адрес: https://docs.metasystem.it/

Cyprus

Με την παρούσα o/n Meta System S.p.A. δηλώνει ότι ο ραδιοεξοπλισμός TXBMWMR πληροί την οδηγία 2014/53/ΕΕ. Το πλήρες κείμενο της δήλωσης συμμόρφωσης ΕΕ διατίθεται στην ακόλουθη ιστοσελίδα στο διαδίκτυο: https://docs.metasvstem.it/

Czech Republic

Tímto Meta System S.p.A. prohlašuje, že typ rádiového zařízení TXBMWMR je v souladu se směrnicí 2014/53/EU

Úplné znění EU prohlášení o shodě je k dispozici na této internetové adrese. https://docs.metasvstem.it/

Germany

Hiermit erklärt Meta System S.p.A., dass der Funkanlagentyp TXBMWMR der Richtlinie 2014/53/EU entspricht. Der vollständige Text der EU-Konformitätserklärung ist unter der folgenden Internetadresse verfügbar: https://docs.metasystem.it/

Denmark

Hermed erklærer Meta System S.p.A., at radioudstyrstypen TXBMWMR er i overensstemmelse med direktiv 2014/53/EU. EU-overensstemmelseserklæringens fulde tekst kan findes på følgende internetadresse: https://docs.metasvstem.it/

Estonia

Käesolevaga deklareerib Meta System S.p.A., et käesolev raadioseadme tüüp TXBMWMR vastab direktiivi 2014/53/EL nõuetele EL i vastavusdeklaratsiooni täielik tekst on kättesaadav järgmisel internetiaadressil: https://docs.metasystem.it/

Spain

Por la presente, Meta System S.p.A. declara que el tipo de equipo radioeléctrico TXBMWMR es conforme con la Directiva 2014/53/UE. El texto completo de la declaración UE de conformidad está disponible en la dirección Internet siguiente: https://docs.metasystem.it/

Finland

Meta System S.p.A. vakuuttaa, että radiolaitetyyppi TXBMWMR on direktiivin 2014/53/EU mukainen.

EU-vaatimustenmukaisuusvakuutuksen täysimittainen teksti on saatavilla seuraavassa internetosoitteessa: https://docs.metasystem.it/

France

Le soussigné, Meta System S.p.A., déclare que l'équipement radioélectrique du type TXBMWMR est conforme à la directive 2014/53/UE. Le texte complet de la déclaration UE de conformité est disponible à l'adresse internet suivante: https://docs.metasystem.it/

United Kingdom

Hereby, Meta System S.p.A. declares that the radio equipment type TXBMWMR is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: https://docs.metasystem.it/

Greece

Με την παρούσα ο/η Meta System S.p.A., δηλώνει ότι ο ραδιοεξοπλισμός TXBMWMR πληροί την οδηγία 2014/53/ΕΕ. Το πλήρες κείμενο της δήλωσης συμμόρφωσης ΕΕ διατίθεται στην ακόλουθη ιστοσελίδα στο διαδίκτυο: https://docs.metasystem.it/

Croatia

Meta System S.p.A. ovime izjavljuje da je radijska oprema tipa TXBMWMR u skladu s Direktivom 2014/53/EU.

Cjeloviti tekst EU izjave o sukladnosti dostupan je na sljedećoj internetskoj adresi: https://docs.metasystem.it/

Hungary

Meta System S.p.A. igazolja, hogy a TXBMWMR típusú rádióberendezés megfelel a 2014/53/EU irányelvnek.

Az EU-megfelelőségi nyilatkozat teljes szövege elérhető a következő internetes címen: https://docs.metasystem.it/

Ireland

Hereby, Meta System S.p.A. declares that the radio equipment type TXBMWMR is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: https://docs.metasystem.it/

Italy

Il fabbricante, Meta System S.p.A., dichiara che il tipo di apparecchiatura radio TXBMWMR è conforme alla direttiva 2014/53/UE. Il testo completo della dichiarazione di conformità UE è disponibile al seguente indirizzo Internet: https://docs.metasystem.it/

Lithuania

Aš, Meta System S.p.A., patvirtinu, kad radijo įrenginių tipas TXBMWMR atitinka Direktyvą 2014/53/ES.

Visas ES atitikties deklaracijos tekstas prieinamas šiuo interneto adresu: https://docs.metasystem.it/

Luxembourg

Le soussigné, Meta System S.p.A., déclare que l'équipement radioélectrique du type TXBMWMR est conforme à la directive 2014/53/UE. Le texte complet de la déclaration UE de conformité est disponible à l'adresse internet suivante: https://docs.metasystem.it/

Latvia

Ar šo Meta System S.p.A. deklarē, ka radioiekārta TXBMWMR atbilst Direktīvai 2014/53/ES. Pilns ES atbilstības deklarācijas teksts ir pieejams šādā interneta vietnē: https://docs.metasystem.it/

Malta

B'dan, Meta System S.p.A., niddikjara li dan it-tip ta' tagħmir tar-radju TXBMWMR huwa konformi mad-Direttiva 2014/53/UE.

It-test kollu tad-dikjarazzjoni ta' konformità tal-UE huwa disponibbli f'dan l-indirizz tal-Internet li ġej: https://docs.metasystem.it/

Netherlands

Hierbij verklaar ik, Meta System S.p.A., dat het type radioapparatuur TXBMWMR conform is met Richtlijn 2014/53/EU. De volledige tekst van de EUconformiteitsverklaring kan worden geraadpleegd op het volgende internetadres:

https://docs.metasystem.it/

Poland

Meta System S.p.A. niniejszym oświadcza, że typ urządzenia radiowego TXBMWMR jest zgodny z dyrektywą 2014/53/UE.

Pełny tekst deklaracji zgodności UE jest dostępny pod następującym adresem internetowym: https://docs.metasystem.it/

Portugal

O(a) abaixo assinado(a) Meta System S.p.A. declara que o presente tipo de equipamento de rádio TXBMWMR está em conformidade com a Diretiva 2014/53/UE.

O texto integral da declaração de conformidade está disponível no seguinte endereço de Internet: https://docs.metasystem.it/

Romania

Prin prezenta, Meta System S.p.A. declară că tipul de echipamente radio TXBMWMR este în conformitate cu Directiva 2014/53/UE. Textul integral al declarației UE de conformitate este disponibil la următoarea adresă internet: https://docs.metasystem.it/

Sweden

Härmed försäkrar Meta System S.p.A. att denna typ av radioutrustning TXBMWMR överensstämmer med direktiv 2014/53/EU. Den fullständiga texten till EU-försäkran om överensstämmelse finns på följande webbadress: https://docs.metasystem.it/

Slovenia

Meta System S.p.A. potrjuje, da je tip radijske opreme TXBMWMR skladen z Direktivo 2014/53/EU.

Celotno besedilo izjave EU o skladnosti je na voljo na naslednjem spletnem naslovu: https://docs.metasystem.it/

Slovakia

Meta System S.p.A. týmto vyhlasuje, že rádiové zariadenie typu TXBMWMR je v súlade so smernicou 2014/53/EÚ. Úplné EÚ vyhlásenie o zhode je k dispozícii na tejto internetovej adrese: https://docs.metasystem.it/

Declaration of Conformity

Radio equipment audio system

Simplified EU Declaration of Conformity acc. Radio Equipment Directive 2014/53/EU after 12.06.2016 and during transition period

CE

Technical information

Frequency Band: 2,400 GHz Output Power: 4 dBm

Manufacturer and Address

Manufacturer: Alpine Electronics Inc Adress: 20-1, Yoshima Industrial Park, Iwaki, Fukushima 970-1192 Phone: + 81246 36 4111

Austria

Hiermit erklärt Alpine Electronics Inc., dass der Funkanlagentyp MRBE001A der Richtlinie 2014/53/EU entspricht. Der vollständige Text der EU-Konformitätserklärung ist unter der folgenden Internetadresse verfügbar: http://www.alpine.com/e/research/

Belgium

Le soussigné, Alpine Electronics Inc., déclare que l'équipement radioélectrique du type MRBE001A est conforme à la directive 2014/53/UE. Le texte complet de la déclaration UE de conformité est disponible à l'adresse internet suivante:http://www.alpine.com/e/research/

Bulgaria

С настоящото Alpine Electronics Inc. декларира, че този тип радиосъоръжение MRBE001A е в съответствие с Директива 2014/53/EC. Цялостният текст на EC декларацията за съответствие може да се намери на следния интернет адрес: http://www.alpine.com/e/research/

Cyprus

Με την παρούσα ο/η Alpine Electronics Inc., δηλώνει ότι ο ραδιοεξοπλισμός MRBE001A πληροί την οδηγία 2014/53/ΕΕ.

Το πλήρες κείμενο της δήλωσης συμμόρφωσης ΕΕ διατίθεται στην ακόλουθη ιστοσελίδα στο διαδίκτυο: http://www.alpine.com/e/research/

Czech Republic

Tímto Alpine Electronics Inc. prohlašuje, že typ rádiového zařízení MRBE001A je v souladu se směrnicí 2014/53/EU.

Úplné znění EU prohlášení o shodě je k dispozici na této internetové adrese:

http://www.alpine.com/e/research/

Germany

Hiermit erklärt Alpine Electronics Inc., dass der Funkanlagentyp MRBE001A der Richtlinie 2014/53/EU entspricht. Der vollständige Text der EU-Konformitätserklärung ist unter der folgenden Internetadresse verfügbar: http://www.alpine.com/e/research/

Denmark

Hermed erklærer Alpine Electronics Inc., at radioudstyrstypen MRBE001A er i overensstemmelse med direktiv 2014/53/EU. EU-overensstemmelseserklæringens fulde tekst kan findes på følgende internetadresse: http://www.alpine.com/e/research/

Estonia

Käesolevaga deklareerib Alpine Electronics Inc., et käesolev raadioseadme tüüp MRBE001A vastab direktiivi 2014/53/EL nõuetele. ELi vastavusdeklaratsiooni täielik tekst on kättesaadav järgmisel internetiaadressil: http://www.alpine.com/e/research/

Spain

Por la presente, Alpine Electronics Inc. declara que el tipo de equipo radioeléctrico MRBE001A es conforme con la Directiva 2014/53/UE. El texto completo de la declaración UE de conformidad está disponible en la dirección Internet siguiente: http://www.alpine.com/e/research/

Finland

Alpine Electronics Inc. vakuuttaa, että radiolaitetyyppi MRBE001A on direktiivin 2014/53/EU mukainen. EL vaatimustenmukaisuusvakuutuksen

EU-vaatimustenmukaisuusvakuutuksen täysimittainen teksti on saatavilla seuraavassa internetosoitteessa:

http://www.alpine.com/e/research/

France

Le soussigné, Alpine Electronics Inc., déclare que l'équipement radioélectrique du type MRBE001A est conforme à la directive 2014/53/UE. Le texte complet de la déclaration UE de conformité est disponible à l'adresse internet suivante: http://www.alpine.com/e/research/

United Kingdom

Hereby, Alpine Electronics Inc. declares that the radio equipment type MRBE001A is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: http://www.alpine.com/e/research/

Greece

Με την παρούσα ο/η Alpine Electronics Inc., δηλώνει ότι ο ραδιοεξοπλισμός MRBE001A πληροί την οδηγία 2014/53/ΕΕ. Το πλήρες κείμενο της δήλωσης συμμόρφωσης ΕΕ διατίθεται στην ακόλουθη ιστοσελίδα στο διαδίκτυο: http://www.alpine.com/e/research/

Croatia

Alpine Electronics Inc. ovime izjavljuje da je radijska oprema tipa MRBE001A u skladu s Direktivom 2014/53/EU. Cjeloviti tekst EU izjave o sukladnosti dostupan je na sljedećoj internetskoj adresi: http://www.alpine.com/e/research/

Hungary

Alpine Electronics Inc. igazolja, hogy a MRBE001A típusú rádióberendezés megfelel a 2014/53/EU irányelvnek. Az EU-megfelelőségi nyilatkozat teljes szövege elérhető a következő internetes címen: http://www.alpine.com/e/research/

Ireland

Hereby, Alpine Electronics Inc. declares that the radio equipment type MRBE001A is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: http://www.alpine.com/e/research/

Italy

Il fabbricante, Alpine Electronics Inc., dichiara che il tipo di apparecchiatura radio MRBE001A è conforme alla direttiva 2014/53/UE. Il testo completo della dichiarazione di conformità UE è disponibile al seguente indirizzo Internet: http://www.alpine.com/e/research/

Lithuania

Aš, Alpine Electronics Inc., patvirtinu, kad radijo įrenginių tipas MRBE001A atitinka Direktyvą 2014/53/ES.

Visas ES atitikties deklaracijos tekstas prieinamas šiuo interneto adresu:

http://www.alpine.com/e/research/

Luxembourg

Le soussigné, Alpine Electronics Inc., déclare que l'équipement radioélectrique du type MRBE001A est conforme à la directive 2014/53/UE. Le texte complet de la déclaration UE de conformité est disponible à l'adresse internet suivante: http://www.alpine.com/e/research/

Latvia

Ar šo Alpine Electronics Inc. deklarē, ka radioiekārta MRBE001A atbilst Direktīvai 2014/53/ES.

Pilns ES atbilstības deklarācijas teksts ir pieejams šādā interneta vietnē:

http://www.alpine.com/e/research/

Malta

B'dan, Alpine Electronics Inc., niddikjara li dan ittip ta' tagħmir tar-radju MRBE001A huwa konformi mad-Direttiva 2014/53/UE. It-test kollu tad-dikjarazzjoni ta' konformità tal-UE huwa disponibbli f'dan I-indirizz tal-Internet li ġej: http://www.alpine.com/e/research/

Netherlands

Hierbij verklaar ik, Alpine Electronics Inc., dat het type radioapparatuur MRBE001A conform is met Richtlijn 2014/53/EU.

De volledige tekst van de EU-

conformiteitsverklaring kan worden geraadpleegd op het volgende internetadres:

http://www.alpine.com/e/research/

Poland

Alpine Electronics Inc. niniejszym oświadcza, że typ urządzenia radiowego MRBE001A jest zgodny z dyrektywą 2014/53/UE. Pełny tekst deklaracji zgodności UE jest dostępny pod następującym adresem internetowym: http://www.alpine.com/e/research/

Portugal

O(a) abaixo assinado(a) Alpine Electronics Inc. declara que o presente tipo de equipamento de rádio MRBE001A está em conformidade com a Diretiva 2014/53/UE.

O texto integral da declaração de conformidade está disponível no seguinte endereço de Internet: http://www.alpine.com/e/research/

Romania

Prin prezenta, Alpine Electronics Inc. declară că tipul de echipamente radio MRBE001A este în conformitate cu Directiva 2014/53/UE. Textul integral al declarației UE de conformitate este disponibil la următoarea adresă internet: http://www.alpine.com/e/research/

Sweden

Härmed försäkrar Alpine Electronics Inc. att denna typ av radioutrustning MRBE001A överensstämmer med direktiv 2014/53/EU. Den fullständiga texten till EU-försäkran om överensstämmelse finns på följande webbadress: http://www.alpine.com/e/research/

Slovenia

Alpine Electronics Inc. potrjuje, da je tip radijske opreme MRBE001A skladen z Direktivo 2014/53/EU.

Celotno besedilo izjave EU o skladnosti je na voljo na naslednjem spletnem naslovu: http://www.alpine.com/e/research/

Slovakia

Alpine Electronics Inc. týmto vyhlasuje, že rádiové zariadenie typu MRBE001A je v súlade so smernicou 2014/53/EÚ. Úplné EÚ vyhlásenie o zhode je k dispozícii na tejto internetovej adrese: http://www.alpine.com/e/research/

United Arab Emirates

Product name: MCR, Model name: K48/K52/K61

TRA REGISTERED No: 0027793/10 DEALER No: 0014517/08

USA, Canada

FCC WARNING

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. NOTICE

This equipment complies with FCC/IC radiation exposure limits set forth for uncontrolled equipment and meets the FCC radio frequency (RF) Exposure Guidelines in Supplement C to OET65 and RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment has very low levels of RF energy that it deemed to comply without maximum permissive exposure evaluation (MPE). But it is desirable that it should be installed and operated with at least 20cm and more between the radiator and person's body (excluding extremities: hands, wrists, feet and ankles).

Brazil

Product name: MCR, Model name: K48/K52/K61



01078989267740403

Este equipamento opera em caráter secundário, isto é, não tem direito a proteção contra interferência prejudicial, mesmo de estações do mesmo tipo, e não pode causar interferência a sistemas operando em caráter primário.

Mexico

COFETEL RCPALPF10-0522 Product name: MCR, Model name: K48/K52/K61 Este equipo opera a titulo secundario, consecuentemente, debe aceptar interferencias perjudiciales incluyendo equipos de la misma clase y puede no causar interferencias a sistemas operando a titulo primario.

Argentina

CNC-ID 16-8765

Malaysia

Placeholder for certification label:

South Korea



방송통신위원회

인증번호: N25-MRBE002A

Name of applicant: Alpine Eletrconics Inc. Japan Code of applicant: N25 Model name: MCR K48/K52/K61 Produced by: Alpine Electronics Manufacturing Of Europe, Ltd. Vendel Park, Budai utca 1, H-2051 Biatorbagy, Hungary

Thailand

This telecommunication equipment conforms to technical standard NTC technical.

Singapore

Complies with IDA Standard DB105286

Taiwan

第十二條

經型式認證合格之低功率射頻電機,非經許可,公司、商 號或使用者均不得擅自變更頻

率、加大功率或變更原設計之特性及功能。

第十四條

低功率射頻電機之使用不得影響飛航安全及干擾合法通信 ;經發現有干擾現象時,應立即 停用,並改善至無干擾時方得繼續使用。 前項合法通信,指依電信法規定作業之無線電通信。 低功率射頻電機須忍受合法通信或工業、科學及醫療用電 波輻射性電機設備之干擾。

Serbia



China

第十三条

进口和生产厂商在其产品的说明书或使用手册中,应刊印下述有关内容:

1. 标明附件中所规定的技术指标和使用范围,说明所有控制、调整及开关等使用方法:

- 使用频率: 2.4 2.4835 GHz
- 等效全向辐射功率(EIRP): 天线增益<10dBi:
 ≤100 mW 或≤20 dBm
- 最大功率谱密度: 天线增益<10dBi时: ≤20 dBm / MHz(EIRP)
- 载频容限: 20 ppm
- 帯外发射功率(在2.4-2.4835GHz頻段以外)
 ≤-80 dBm / Hz (EIRP)

 杂散发射(辐射)功率(对应载波±2.5倍信道带宽以外):
 ≤-36 dBm / 100 kHz (30 - 1000 MHz)
 ≤-33 dBm / 100 kHz (2.4 - 2.4835 GHz)
 ≤-40 dBm / 1 MHz (3.4 - 3.53 GHz)
 ≤-40 dBm / 1 MHz (5.725 - 5.85 GHz)
 ≤-30 dBm / 1 MHz (其它1 - 12.75 GHz)

 不得擅自更改发射频率、加大发射功率(包括额外加装射 频功率放大器),不得擅自外接天线或改用其它发射天线;
 使用时不得对各种合法的无线电通信业务产生有害干; 一旦发现有干扰现象时,应立即停止使用,并采取措施消 除干扰后方可继续使用;

4. 使用微功率无线电设备,必须忍受各种无线电业务的干扰或工业、科学及医疗应用设备的辐射干扰;

5. 不得在飞机和机场附近使用。

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Details described or illustrated in this booklet may differ from the vehicle's actual specification as purchased, the accessories fitted or the national-market specification. No claims will be entertained as a result of such discrepancies.

Dimensions, weights, fuel consumption and performance data are quoted to the customary tolerances.

The right to modify designs, equipment and accessories is reserved.

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Fuel	
Recommended fuel grade	Premium unleaded (maximum 15 % ethanol, E15) 95 ROZ/RON 90 AKI
Usable fuel capacity	approx. 26.5 l
Reserve fuel	approx. 4 l
Tyre pressure	
Tyre pressure, front	2.9 bar, One-up and two-up mode with load; with cold tyres
Tyre pressure, rear	2.9 bar, One-up and two-up mode with load; with cold tyres

You can find further information on all aspects of your vehicle at: bmw-motorrad.com

BMW recommends ADVANTEC

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