

RIDER'S MANUAL © 400 X



MAKE LIFE A RIDE

Vehicle data

Model

Vehicle identification number

Color number

First registration

License plate

Retailer data

Contact in Service

Ms./Mr

Phone number

Retailer's address/Phone (company stamp)

YOUR BMW.

We are pleased that you have chosen a BMW Motorrad vehicle and welcome you to the family of BMW riders. Familiarize yourself with your new vehicle so that you can ride safely and confidently in all traffic situations.

About these operating instructions

Read these operating instructions before starting your new BMW. It contains important notes about operating the vehicle that will enable you to make full use of the technical assets of your BMW.

You will also obtain preventive maintenance and care instructions, which are beneficial to operating and road safety and help retain the value of your vehicle as much as possible.

If you should decide to sell your BMW one day, please remember to hand over these operating instructions as well. They are an important part of your vehicle.

We wish you many miles of safe and enjoyable riding with your $\operatorname{\mathsf{BMW}}$

BMW Motorrad.

01 GENERAL		03 DISPLAYS	24
INSTRUCTIONS	2	Indicator and warning	
Overview	4	lights	26
Abbreviations and sym-	-	Multifunction display	27
bols	4	Indicator lights	28
Equipment	5	Service display	37
Technical data	5	Oil level indicator	38
Notice concerning cur-	•	Ambient temperature	38
rent status	6	Indicator and warning	
Additional sources of	Ŭ	lights with connectivity	40
information	6	TFT display in Pure	
Certificates and operat-	Ŭ	view	41
ing pormits	6	TFT display in the	
Data memory	6	View menu	42
Data memory	0	Indicator lights with	
		connectivity	43
02 OVERVIEWS	12	connectivity	
General view, left side	14	04 OPERATION	60
General view, right			
side	15	Ignition switch/steer-	
Underneath the seat	16	ing lock	62
Multifunction switch,		Ignition with Key-	
left	17	less Ride	63
Multifunction switch,		Emergency on/off	
right	18	switch (kill switch)	67
Cockpit	19	Lights	67
Cockpit	20	Hazard warning lights	68
Instrument cluster	21	Turn indicators	69
Instrument cluster with		Multifunction display	70
connectivity	22	SETUP	72
		General settings on the	
		multifunction display	74
		Heated grips	76
		Seat heating	77
		Seat	78

Storage compartments

79

05 TFT DISPLAY	82	Breaking in	123
Concernal motion	04	Brakes	124
General notes	04	Parking the Scooter	125
	80	Refueling	126
Pure and Orban views	91	Refueling	128
General settings	91	Version 1	128
Onboard computer	93	Version 2	129
Bluetooth	94	Open fuel filler cap	
My Vehicle	97	emergency release	130
Navigation	99	Close fuel filler cap	
Media	101	emergency release	130
Phone	101	Securing the vehicle	
Display software ver-		for transport	130
sion	102		
Display license infor-			
mation	102	09 TECHNOLOGY IN DETAIL	134
06 ANTI-THEET		General notes	126
	104		130
ALARINI ST ST EIVI	104	Antilock Brake Sys-	400
Overview	106	tem (ABS)	136
Activation	106	Automatic Stability	
Alarm function	109	Control (ASC)	138
Deactivation	110		
Programming	111	10 MAINTENANCE	140
		General notes	142
07 SETTING	112	Standard tool kit	142
		Front-wheel stand	143
Mirrors	114	Engine oil	144
Headlights	114	Brake system	146
Spring preload	114	Coolant	150
		Tires	151
	116	Rims and tires	152
		Wheels	153
Safety instructions	118	Fuses	165
Observe checklist	120	light sources	167
Starting	121	Battory	167
Riding	123	Dattery	107

Trim panel compo-		Chassis	203
nents	173	Brakes	203
Diagnostic socket	175	Wheels and tires	204
-		Electrical system	205
	170	Anti-theft alarm sys-	
TT ACCESSORIES	170	tem	206
General notes	180	Keyless Ride	206
Power socket	180	Dimensions	207
USB charging socket	181	Weights	207
Topcase	182	Performance data	208
Navigation system	184		
		14 SERVICE	210
12 CARE	188	Reporting safety de-	
Company deside	100	focts	212
Care products	190	BMW Motorrad	212
wasning your motor-		Sorviço	212
cycle	190	BMW Motorrad	213
Cleaning sensitive		Service Manual	212
vehicle parts	191	BMW Motorrad Mo-	213
Paint care	192	bility Comisso	244
Protective wax coat-		Dinty Services	214
ing	192	Maintenance proce-	244
Storing the Scooter	192	aures	214
Putting the scooter		Maintenance sched-	040
into operation	193	ule Maintenance confir-	216
		mations	217
13 TECHNICAL DATA	194	Service confirmations	234
Troubleshooting chart	196		
Screw connections	199		
Fuel	201		
Engine oil	201		
Engine	202		
Clutch	202		
Transmission	202		
Rear-wheel drive	202		
Frame	203		

APPENDIX	236
Certificate for elec-	
tronic immobilizer Certificate for Key-	237
less Ride Declaration of con-	239
formity for anti-theft	
alarm Certificate for TFT	243
instrument cluster	248
INDEX	252

GENERAL INSTRUCTIONS



OVERVIEW	4
ABBREVIATIONS AND SYMBOLS	4
EQUIPMENT	5
TECHNICAL DATA	5
NOTICE CONCERNING CURRENT STATUS	6
ADDITIONAL SOURCES OF INFORMATION	6
CERTIFICATES AND OPERATING PERMITS	6
DATA MEMORY	6

4 GENERAL INSTRUCTIONS

OVERVIEW

Chapter 2 of this Rider's Manual will provide you with an initial overview of your Scooter. All maintenance and repair work carried out on your vehicle will be documented in Chapter 14. Documentation of the maintenance work performed is a prerequisite for generous treatment of claims. If you ever decide to sell your Scooter, please remember to include this Rider's Manual; it is an important part of the vehicle.

ABBREVIATIONS AND SYM-BOLS

CAUTION Hazard with low risk. Failure to avoid this hazard can result in minor or moderate injury.

WARNING Hazard with moderate risk. Failure to avoid this hazard can result in death or serious injury.

DANGER Hazard with high risk. Failure to avoid this hazard results in death or serious injury.

ATTENTION Special instructions and precautionary measures. Noncompliance can cause damage to the vehicle or accessories and warranty claims may be denied as a result.

NOTICE Special information on operating and inspecting your motorcycle as well as maintenance and adjustment procedures.

Instruction.

>>

 \triangleleft

T!

NV

OE

Result of an activity.

- Reference to a page with more detailed information.
 - Indicates the end of accessory or equipment-dependent information.

Tightening torque.

Technical data.

National-market version.

Optional equipment. BMW Motorrad optional equipment is already completely installed during motorcycle production.

- OA Optional accessories. BMW Motorrad optional accessories can be purchased and retrofitted at your authorized BMW Motorrad retailer.
- EWS Electronic immobilizer.
- DWA Anti-theft alarm.
- ABS Anti-Lock Brake System.
- ASC Automatic Stability Control.
- CVT Continuously variable transmission. Transmission with a continuously variable gear ratio

EQUIPMENT

When you ordered your Scooter, you chose various custom equipment items. This Rider's Manual describes optional equipment (OE) offered by BMW and selected optional accessories (OA). This explains why the manual may also contain descriptions of equipment which you have not ordered. Please note, too, that your vehicle might not be exactly as illustrated in this manual on account of countryspecific differences. If your Scooter was supplied with equipment not described in this rider's manual, you will find these features described in a separate manual.

TECHNICAL DATA

All dimensions, weights and performance data contained in these operating instructions refer to the German Institute for Standardization i.e. DIN (Deutsches Institut für Normung e. V.) and comply with their tolerance specifications. The technical data and specifications in these operating instructions serve as points of reference. The vehicle-specific data may vary, for instance due to the selected optional equipment. national-market version or country-specific measuring procedures. Detailed values can be obtained from the registration documents or requested from your BMW Motorrad retailer or other qualified service partner or specialist workshop. The information on the vehicle documents always takes precedence over the information in these operating instructions.

6 GENERAL INSTRUCTIONS

NOTICE CONCERNING CUR-RENT STATUS

The high safety and quality standards of BMW Scooters are maintained by consistent, ongoing development efforts embracing their design, equipment, and accessories. For this reason, some aspects of your vehicle may vary from the descriptions in this rider's manual. In addition, BMW Motorrad cannot guarantee the total absence of errors. We hope you will appreciate that no claims can be recognized based on the data. illustrations or descriptions in this manual.

ADDITIONAL SOURCES OF INFORMATION

BMW Motorrad retailer

Your BMW Motorrad retailer is always happy to answer any of your questions.

Internet

The Operating Instructions for your motorcycle, the operating and installation instructions for optional accessories and general BMW Motorrad information related to the technology or other features are available at **bmw-motorrad.com/manuals**.

CERTIFICATES AND OPERAT-ING PERMITS

The certificates for the vehicle and the official operating permits for possible accessories are available at **bmwmotorrad.com/certification**.

DATA MEMORY General information

Control units are installed in the vehicle. Control units process data received from vehicle sensors, self-generated data or data exchanged between control units, for example. Some control units are required for safe vehicle operation or provide riding assistance, such as driver assistance systems. Control units also make comfort and infotainment functions possible.

Information about the stored or exchanged data can be obtained from the vehicle manufacturer, such as in the form of a separate booklet.

Personal references

Every vehicle is marked with a unique vehicle identification number. Depending on the country, the vehicle owner can be identified using the vehicle identification number and license plate and with the help of the relevant authorities. There are also other ways to trace data obtained from the vehicle back to the driver or vehicle owner, such as via the ConnectedDrive Account that was used.

Data privacy laws

In accordance with applicable data privacy laws, vehicle users have certain rights over the vehicle manufacturer or company that collects or processes personal data.

Vehicle users have the right to obtain comprehensive information without charge from the locations that store the vehicle user's personal data.

- These locations may be:
- -The vehicle manufacturer
- -Qualified service partners
- -Specialist workshops
- -Service providers

Vehicle users may request information about the type of personal data that is stored, the purpose for which the data will be used and the source of the data. This information can only be obtained by a registered owner or a person with written proof authorizing use of the vehicle. The right to information also includes information related to data transmitted to other companies or locations. The vehicle manufacturer's website contains the appropriate privacy policy notices. The privacy policy notices contain information on the right to delete or correct data. The vehicle manufacturer also provides the manufacturer contact information and the contact information of the data security officer.

The vehicle owner can have a BMW Motorrad retailer or other qualified service partner or specialist workshop read out the data stored in the vehicle for a fee if required.

The vehicle data is read out via the vehicle's legally mandated socket for onboard diagnosis (OBD).

Legal requirements for the disclosure of data

The vehicle manufacture is required by the law applicable in this context to provide authorities with the data stored by the manufacturer. Providing this data within the scope required is on a case-by-case basis, for instance to clarify a criminal offense.

8 GENERAL INSTRUCTIONS

Government agencies are authorized by the law applicable in this context to read out the data from the vehicle themselves in individual cases.

Operating data in the vehicle

Control units process data so that the vehicle can run. Examples of this include:

- -Status messages from the vehicle and its individual components, such as wheel RPM, wheel speed and deceleration
- Environmental conditions, such as temperature

The data is processed only in the vehicle itself and is usually temporary. The data is not stored beyond the period in which the vehicle is operating. Electronic components such as control units contain components for storing technical information. This may be information about the vehicle's condition, component load, events or faults stored temporarily or permanently.

This information generally documents the condition of a component, module, system or the surrounding area; for example:

- -Operating conditions of system components, such as fill levels and tire pressure
- Malfunctions and faults in key system components, such as lights and brakes
- -Vehicle responses in specific riding situations, such as the activation of driving stability control systems
- Information about events causing damage to the vehicle

The data is necessary for providing control unit functions. In addition, it is used by the vehicle manufacturer to detect and eliminate malfunctions as well as to optimize vehicle functions.

The majority of this data is temporary and is processed only within the vehicle itself. Only a small amount of eventdriven data is stored in the event data recorder and fault memory.

When a vehicle is serviced, such as for repairs, servicing processes, warranty cases and quality assurance measures, this technical information can be read out from the vehicle together with the vehicle identification number.

The information can be read out by a BMW Motorrad re-

tailer or other qualified service partner or specialist workshop. The vehicle's legally mandated socket for onboard diagnosis (OBD) is used to read out the data.

The data is collected, processed and used by the respective retailer network locations. The data documents the vehicle's technical states and helps with fault finding, compliance with warranty obligations and quality improvements.

The manufacturer also has product monitoring obligations arising from product liability law. The vehicle manufacturer requires technical data from the vehicle in order to fulfill these obligations. The data from the vehicle can also be used to verify customer warranty and guarantee claims. The fault memory and event data recorder in the vehicle can be reset by a BMW Motorrad retailer or other gualified service partner or specialist workshop as part of a repair or servicing.

Data input and data transfer in the vehicle

General information

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

Examples of this include:

- -Windshield position settings
- Chassis and suspension adjustment settings

It is possible to introduce data into the vehicle entertainment and communication system via a smartphone, for instance. Depending on the individual equipment, this includes:

- Multimedia data, such as music for playback
- Address book data for use in conjunction with a communication system or integrated navigation system
- Entered navigation destinations
- -Data about the use of Internet services. This data can be stored locally in the vehicle or is on a device connected to the vehicle, such as a smartphone, USB stick or MP3 player. If this data is saved in the vehicle, it can be deleted at any time.

10 GENERAL INSTRUCTIONS

This data is transmitted to third parties only upon personal request as part of the use of online services. The data transmitted depends on the selected settings when using the services.

Integrating mobile end devices

Depending on the equipment, mobile end devices connected to the vehicle, such as smartphones, are controlled using the vehicle's operating elements.

This enables audio and visual output from mobile end devices through the multimedia system. At the same time, certain information is transmitted to the mobile end device. This includes for instance position data and other general vehicle data, depending on the type of integration, and makes it possible to optimize the use of selected apps, such as those for navigation or audio playback. The way the data is processed further is determined by the provider of the particular app used. The range of possible settings depends on the particular app and the operating system of the mobile end device.

Services General information

If the vehicle has a mobile phone connection, this connection makes it possible to exchange data between the vehicle and other systems. The mobile phone connection is made possible through the vehicle's transmitter and receiver or via personally integrated mobile end devices such as smartphones. Online functions, as they are called, are used over this mobile phone connection. These include online services and apps provided by the vehicle manufacturer or other providers.

Vehicle manufacturer services

In the case of the vehicle manufacturer's online services, the particular functions are described at the appropriate location, such as in the operating instructions or on manufacturer's website. The relevant legal information on data privacy is also provided there. Personal data may be used in order to provide online services. The data is exchanged over a secure connection, i.e. with the vehicle manufacturer's IT systems which are intended for this purpose.

Any collection, processing and use of personal data that goes beyond the provision of services take place only as permitted by law, on the basis of a contractual agreement or as a result of consent. It is also possible to have the entire data connection activated or deactivated. This is not the case for legally prescribed functions.

Services of other providers When using the online services of other providers, these services are subject to the responsibility and the data protection and usage conditions of the respective provider. The vehicle manufacturer has no control over the content exchanged via these services. Information about the type, scope and purpose of collecting and using personal data as part of third-party services can be obtained from the particular service provider.



GENERAL VIEW, LEFT SIDE	14
GENERAL VIEW, RIGHT SIDE	15
UNDERNEATH THE SEAT	16
MULTIFUNCTION SWITCH, LEFT	17
MULTIFUNCTION SWITCH, RIGHT	18
COCKPIT	19
COCKPIT	20
INSTRUMENT CLUSTER	21
INSTRUMENT CLUSTER WITH CONNECTIVITY	22

GENERAL VIEW, LEFT SIDE



- Brake fluid expansion tank for the rear wheel brake (IIII) 149)
- 3 Spring preload setting (┉ 114)
- 4 Fuel filler opening (→ 126) (→ 128)
- 5 Coolant expansion tank (under left fairing side panel) (mm 151)

GENERAL VIEW, RIGHT SIDE



- Brake fluid expansion tank for the front wheel brake (IIII) 148)
- 2 Coolant level indicator (IIIII) 150)
- 3 Nameplate (on the right frame tube) Vehicle identification number (on the right frame tube)
- Emergency release for seat Operating the seat (m 78).

UNDERNEATH THE SEAT



- 1 Rider's Manual
- 3 Payload table Tire pressure table Note about using accessory products
- 4 Unlocking BMW flexcase (Ⅲ→ 80)

MULTIFUNCTION SWITCH, LEFT



- 1 High-beam headlight and headlight flasher (IIII € 68)
- 2 Hazard warning lights (IMM 68)
- 3 Turn indicators (m 69)
- 4 Horn

MULTIFUNCTION SWITCH, RIGHT



- −with heated grips ^{OE} Operating heated grips ([™] 76). Heated grips
- 2 -with seat heating ^{OE} Operating the rider's seat heating ([™] 77). Seat heating
- 3 Emergency-off switch (IIIII) 67)
- 4 Starter button (m 121)



-without Keyless Ride OE

- 1 Ignition switch/steering lock (┉ 62)
- 2 Unlocking the right storage compartment (IIIII 79)
- 4 Unlocking the seat (···· 78)
- 5 Storage compartment, left (IIII) 79)

6 Unlocking the left storage compartment (IIII 79)

COCKPIT



-with Keyless Ride OE

- 1 Control module for Keyless Ride (┉ 63)
- 2 Unlocking the right storage compartment (IIIII 79)
- 3 Storage compartment, right (Im 79) Power socket (in the storage compartment) (Im 180) USB charging port (in the storage compartment) (Im 181)
- 4 Unlocking the seat (····→ 78)
- 5 Storage compartment, left (m 79)

6 Unlocking the left storage compartment (IIII 79)

INSTRUMENT CLUSTER



-without Connectivity OE

- 1 Speedometer
- 2 Indicator and warning lights
- **3** Multifunction display

INSTRUMENT CLUSTER WITH CONNECTIVITY



-with Connectivity OE

- Indicator and warning lights with connectivity (up 40)
- 2 TFT display (*** 41) (*** 42)
- Anti-theft alarm system LED
 with anti-theft alarm system (DWA) OE
 Alarm signal (IIII 109)
 with Keyless Ride OE
 Indicator light for radiooperated key
 Switching on ignition
 (IIII 64).
- 4 Photosensor (for adjusting brightness of instrument lighting)

DISPLAYS



INDICATOR AND WARNING LIGHTS	26
MULTIFUNCTION DISPLAY	27
INDICATOR LIGHTS	28
SERVICE DISPLAY	37
OIL LEVEL INDICATOR	38
AMBIENT TEMPERATURE	38
INDICATOR AND WARNING LIGHTS WITH CONNECTIV-	
ΙΤΥ	40
TFT DISPLAY IN PURE VIEW	41
TFT DISPLAY IN THE VIEW MENU	42
INDICATOR LIGHTS WITH CONNECTIVITY	43

26 DISPLAYS

INDICATOR AND WARNING LIGHTS



- 1 Turn indicator, left (🗰 69)
- 2 Fuel reserve (m 37)
- High-beam headlight (**** 68)
- 4 General warning light ([™] 28)
- 5 Turn signal, right (m 69)
- 6 Anti-theft alarm system LED (┉ 109)
- 7 with auxiliary headlight ^{OA} Auxiliary headlight
- 8 ASC (m 35)
- 9 ABS (== 34)

MULTIFUNCTION DISPLAY



- 1 Clock (🗰 73)
- 2 Fuel fill level indicator
- 3 Warning symbols (m 28)
- 4 Text field for warnings (Ⅲ 28)
- 5 Set heating stage (m 76)
- 6 Set heating stage (m 77)
- 7 Trip odometer (m 71) Service display (m 37)
- 8 Displays of the onboard computer (IIII 70)
- 9 Outside temperature warning (m 38)
 BMW flexcase (m 80)

10

28 DISPLAYS

INDICATOR LIGHTS

Displays

Warnings are displayed with appropriate warning lights.



Warnings for which no separate warning light is available are indicated by the 'universal' warning light **1** in conjunction with a warning notice at position **2** such as LAMPF! or a warning symbol **3** in the multifunction display.

The universal warning light lights up in either yellow or red depending on the urgency of the warning.

If several warnings are active, all corresponding warning lights and warning symbols are displayed; warnings are alternated in the display. You will find an overview of the potential warnings on the following pages.

Meaning

Overview of warning indicators Indicator and Display text warning lights

is displayed.	Outside temper-
	(··•• 31)
lights up yellow. is displayed.	EWS active (IIII) 31)
lights up yellow. is displayed.	Radio-operated key outside re- ception range (IIII 31)
lights up red. is displayed.	Coolant temper- ature too high (Ⅲ→ 32)
lights up yellow. is displayed.	Low engine oil level (IIII 32)
OIL CHECK is dis- played	
Iights up yellow. is displayed.	Engine in emer- gency-operation mode (*** 32)
flashes yel- low.	Severe drive mal- function (*** 33)
lights up yellow. flashes.	Serious fault in the engine control (IIII) 33)
lights up yellow. LAMPF!, LAMPR! or LAMPS! is dis- played.	Light source de- fect (IIIII 34)
flashes.	ABS self-diagno- sis not completed (IIII) 34)

30 DISPLAYS

Indicator and warning lights	Display text	Meaning
lights up.		ABS fault (🗰 34)
flashes rapidly.		ASC intervention (IIII) 35)
flashes slowly.		ASC self-diagno- sis not completed (IIII) 35)
lights up.		ASC error (┉ 35)
lights up yellow.	is displayed.	BMW flexcase is open (IIII 36)
	DWALO! is dis- played.	Anti-theft alarm battery low charge (IIII 36)
lights up yellow.	DWALO! is dis- played.	Anti-theft alarm system battery discharged (IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII
lights up red.	is displayed.	Insufficient bat- tery charge cur- rent (IIIII) 36)
lights up.		Fuel down to re- serve (IIII 37)
Outside temperature warning



is displayed.

Possible cause:

The ambient temperature measured at the vehicle is lower than 37 °F (3 °C).



Risk of black ice, even above 37 °F (3 °C) Accident bazard

- At a low outside temperature, icy conditions must expected on bridges and in shady road areas.
- Think well ahead when driving.

EWS active



lights up yellow.



is displayed.

Possible cause:

The ignition key being used is not authorized for a start, or communication between the ignition key and the engine electronics is disrupted.

- Remove any other vehicle keys that are also fastened to the bunch of keys.
- Use a second vehicle key.

 Have the defective vehicle key replaced, preferably by an authorized BMW Motorrad retailer.

Radio-operated key outside reception range

-with Keyless Ride OE



lights up yellow.



is displayed.

Possible cause:

Communication between the key fob transmitter and the engine electronics is disrupted.

- Check the battery in the key fob transmitter.
- -with Keyless Ride OE
- Use reserve key for further driving.
- -with Keyless Ride OE
- The battery of the radio-operated key is dead or the radiooperated key is lost (**** 65).
- Should the warning symbol appear while driving, keep calm. You can continue driving; the engine will not turn off.
- Have the defective key fob transmitter replaced by an authorized BMW Motorrad retailer.

Coolant temperature too high



lights up red.



is displayed.



Riding with overheated engine

Engine damage

• Be sure to observe the measures listed below.

Possible cause:

Coolant level is too low.

- Checking the coolant level (IPP 150).
- If coolant level is too low:
- Have the cooling system checked at a specialist workshop, preferably an authorized BMW Motorrad retailer.

Possible cause:

The coolant or engine oil temperature is too high.

- If possible, continue driving in the part-load range to cool down the engine.
- Should the coolant or engine oil temperature frequently be too high, have the fault rectified as quickly as possible by a specialist workshop, preferably an authorized BMW Motorrad retailer.

Low engine oil level



lights up yellow.



is displayed.

OIL CHECK is displayed. Possible cause:

The electronic oil level sensor has detected that the engine's oil level is too low. Check the engine oil level with the dipstick the next time you stop to refuel:

• Checking the engine oil level (IMP 144).

If oil level is too low:

Top up engine oil.

Engine in emergencyoperation mode



lights up yellow.



is displayed.



Unusual handling when the engine is in emergency operation

Accident hazard

• Avoid rapid acceleration and passing maneuvers.

Possible cause:

The engine control unit has diagnosed a fault. The engine is running in the emergency-operation mode.

- It is possible to continue riding, but the usual engine power may not be available.
- » The drive malfunction warning light will also light up if the pollutant emissions exceed the setpoint values.
- » In exceptional cases, the engine stops and can no longer be started.
- Have the malfunction corrected as soon as possible at a specialist workshop, preferably an authorized BMW Motorrad retailer.

Severe drive malfunction



flashes yellow.



Possible cause:

The engine control unit has diagnosed a fault which can lead to damage of the exhaust system.

 Have the malfunction corrected as soon as possible at a specialist workshop, preferably an authorized BMW Motorrad retailer. » You may continue riding, but it is not recommended.

Serious fault in the engine control



lights up yellow.

flashes.

Damage to engine during emergency operation Accident hazard

- Drive slowly and avoid rapid acceleration and passing maneuvers.
- If possible, have the vehicle picked up and the fault eliminated at a specialist workshop, preferably an authorized BMW Motorrad retailer.

Possible cause:

The engine control unit has diagnosed a fault, which can lead to a severe secondary fault. The engine is in emergency

- operation.
- Avoid high load and engine speed ranges if possible.
- Have the malfunction corrected as soon as possible at a specialist workshop,

preferably an authorized BMW Motorrad retailer.

» You may continue riding, but it is not recommended.

Light source defect



lights up yellow.

LAMP! is displayed:

- LAMPF!: low-beam headlight, high-beam headlight, parking lights or front turn signal defective.
- LAMPR!: brake light, rear light, rear turn signal or license plate illumination defective.
- LAMPS !: multiple bulbs defective.



WARNING

Overlooking the vehicle in traffic due to a defective light source on the vehicle Safety risk

 Replace defective bulbs as soon as possible; it is best always to carry a complete set of spare bulbs on the motorcycle. Possible cause: Light source defective.

- Locate faulty light sources by means of a visual inspection.
- Have the LED light source replaced in full; for details please contact a specialist workshop, preferably an authorized BMW Motorrad retailer.

ABS self-diagnosis not completed



Possible cause:

The self-diagnosis routine was not completed; the ABS function is not available. The Scooter must reach a speed of at least 3 mph (5 km/h) before ABS self-diagnosis can be completed.

 Ride off slowly. It must be noted that the ABS function is not available until the self-diagnosis has been completed.

ABS fault



lights up.

Possible cause:

The ABS control unit has detected an error. The ABS function is not available.

 It is possible to continue riding if you make allowance for the failed ABS function. You should also observe the additional information on situations that can lead to an ABS fault (IIII+ 137).

 Have the malfunction corrected as soon as possible at an authorized service facility, preferably an authorized BMW Motorrad Retailer.

ASC intervention

flashes rapidly.

ASC has detected instability at the rear wheel and responded by reducing the torque. The ASC warning light flashes longer than the ASC intervention lasts. This feature continues to furnish the rider with visual feedback confirming that the system has initiated active closed-loop intervention even after the critical situation has passed.

ASC self-diagnosis not completed



flashes slowly.

Possible cause:

ASC self-diagnosis rou-

The Scooter must reach a specified minimum speed with the engine running before the system can check operation of the wheel speed sensors:

min 3 mph (min 5 km/h)

 Ride off slowly. It must be noted that the ASC function is not available until the self-diagnosis has been completed.

ASC error



lights up.

Possible cause:

The ASC control unit has detected a fault.

- It remains possible to continue riding. It must be noted that the ASC function is not available. You should also observe the additional information on situations that can lead to a ASC fault (m 138).
- Have the malfunction corrected as soon as possible at an authorized service facility, preferably an authorized BMW Motorrad Retailer.

BMW flexcase is open



lights up yellow.



is displayed.

Possible cause:

The BMW flexcase is open.

- Close the BMW flexcase.

Anti-theft alarm battery low charge

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

DWALO! is displayed.

This fault message is only shown for a short time immediately following the Pre-Ride-Check.

Possible cause:

The anti-theft alarm battery no longer has its full capacity. The operation of the anti-theft alarm system is only ensured for a limited time when the vehicle battery is disconnected.

• Contact an authorized service facility, preferably an authorized BMW Motorrad retailer.

Anti-theft alarm system battery discharged

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



lights up yellow.

DWALO! is displayed.

This fault message is only shown for a short time immediately following the Pre-Ride-Check.

Possible cause:

The anti-theft alarm system battery is completely discharged. Operation of the antitheft alarm system is no longer ensured when the vehicle battery is disconnected.

 Contact an authorized service facility, preferably an authorized BMW Motorrad retailer.

Insufficient battery charge current



lights up red.

is displayed.

Failure of vehicle systems Accident hazard • Do not continue riding.

The battery is not being charged. If the journey is con-

tinued, the vehicle electronics will discharge the battery. Possible cause:

Alternator or alternator drive faulty.

 Have the malfunction corrected as soon as possible at an authorized service facility, preferably an authorized BMW Motorrad Retailer.

Fuel down to reserve

lights up.

WARNING

Rough engine running or switching off of the engine due to a fuel shortage Accident hazard, damage to catalytic converter

• Do not drive to the extent that the fuel tank is completely empty.

Possible cause:

At the most, the fuel tank still contains the reserve fuel quantity.

Reserve quantity

Approx. 3.2 quarts (Approx. 3 I)

- -without Keyless Ride OE
- Refueling (m 126).

- -with Keyless Ride OE
- Refueling (m 128).

SERVICE DISPLAY



If service is due within a month, SERVT! **1** and the service date **2** are displayed. These are briefly displayed following the Pre-Ride-Check.



If the service is due within 700 miles, SERVD! **3** and the remaining distance **4** are displayed and counted down in steps of 100 miles. These are briefly displayed following the Pre-Ride-Check.

If service is overdue, the Service date or the distance covered at which service should have been completed is accompanied by the general warning light in vellow. The SERVD! or SERVT! displays are permanently shown.

If the service display appears more than a month before the service date, the current day's date must be reset in the instrument cluster. This situation can occur if the battery was disconnected.

OIL LEVEL INDICATOR



The oil level display 1 provides information on the oil level in the engine. This display can only be activated when the vehicle is stopped.

The conditions required for using the oil level display are as follows

- -Engine at normal operating temperature.
- -Engine idling for at least ten seconds
- -Side stand retracted.
- -The Scooter is standing upright.

The possible displays at locations 1 and 2 mean

OILLVL OK: the oil level is correct.

OILLVL CHECK: check the oil level during the next refueling stop.

OILLVL -- ---: no measurement possible (above-mentioned conditions not met).



If the oil level is too low, the corresponding warning symbol is displayed.

AMBIENT TEMPERATURE

When the outside temper-ature drops below 37 °F (3 °C) the temperature display responds by flashing a warning indicating possible ice formation on the road surface. The display automatically switches from any other mode to the temperature reading when the

temperature drops below this threshold for the first time.

INDICATOR AND WARNING LIGHTS WITH CONNECTIVITY



-with Connectivity OE

- 1 Turn indicator, left (🗰 69)
- 2 High-beam headlight (┉ 68)
- 3 General warning light (IIII) 43)
- 4 Turn signal, right (m 69)
- 5 ASC (m 35)
- 6 ABS (🗰 34)
- 7 with auxiliary headlight ^{OA} Auxiliary headlight

TFT DISPLAY IN PURE VIEW



-with Connectivity OE

- Changing operating focus (IMP 89)
- 2 Speedometer
- 3 Rider info. status line (Ⅲ 89)
- 4 Speed Limit Info (m 90)
- 5 Clock (= 92)
- 6 Connection status (IIII 95)
- 7 Muting (m 91)
- 8 Operating assistance
- 9 Set heating stage, seat heating (IIII → 77) Set heating stage, heated
- 10 grips (m 76) Outside temperature warn-

11 ing (m 49)

Outside temperature

12

TFT DISPLAY IN THE VIEW MENU



-with Connectivity OE

- 1 Menu area
- 2 Speedometer
- 3 Speed Limit Info (m 90)
- 4 Rider info. status line ([™] 89)
- 5 Clock Setting the clock (IIII) 92).
- 6 Connection status Performing Bluetooth pairing (Ⅲ♥ 95).
- 7 Muting (= 91)
- 8 Operating assistance
- 9 Set heating stage, seat heating (m 77) Set heating stage, heated
- **10** grips (m 76)

Outside temperature warn-

- 11 ing (m 49)
 - Outside temperature
- 12

INDICATOR LIGHTS WITH CONNECTIVITY

Layout

Warnings are displayed by the corresponding warning light. Warnings are indicated by the general warning light in conjunction with a dialog in the TFT display. The general warning light lights up in either yellow or red, depending on the urgency of the warning.

The general warning light lights up for whichever warning is most urgent at the current time.

You will find an overview of the potential warnings on the following pages.



Check Control display

The messages in the display are shown differently in the display. Different colors and characters are used depending on the priority:

- -Green CHECK OK 1: no message, values optimal.
- -White circle with small "i" 2: information.
- -Yellow warning triangle **3**: warning message, value not optimal.
- Red warning triangle 3: warning message, value critical



Value display

The icons **4** are displayed differently. Different colors are used depending on the assessment of value. Instead of numerical values **7** with units **8**, texts **6** are also displayed: **Color of the icon**

- -Green: (OK) current value is optimal.
- -Blue: (Cold!) current temperature is too low.
- -Yellow: (Low! /High!) current value is too low or too high.
- -Red: (Hot! /High!) current temperature or value is too high.

-White: (---) there is no valid value. Instead of the value, dashes **5** are displayed.

The evaluation of the individual values is possible in part only after a certain riding duration or speed. If a measured value cannot yet be displayed due to unfulfilled measurement conditions, dashes are displayed instead as placeholders. As long as no valid measured value is available, no evaluation is carried out in the form of a colored symbol.



Check Control dialog

Messages are output as Check Control dialog **1**.

- If several Check Control messages of the same priority are present, the messages change in the order in which they occur, until they are acknowledged.
- -If the icon **2** is active, you can acknowledge this by tilt-

ing the Multi-Controller to the left.

 Check Control messages are dynamically attached as additional tabs to the pages in the My vehicle (*** 87) menu.
The message can be called up again as long as the error persists.

Meaning

Overview of warning indicators Indicator and Display text warning lights

	is displayed.	Outside temper- ature warning (*** 49)
lights up yellow.	Remote key not in range.	Radio-operated key outside re- ception range (IIII 49)
lights up yellow.	Remote key bat- tery at 50%. Remote key bat-	Replacing the bat- tery of the key fob transmitter
	tery low.	(
	low.	Vehicle voltage too low (🗰 50)
	Vehicle volt- age low.	
lights up red.	is displayed in red.	Vehicle voltage critical (🗰 50)
	Vehicle volt- age critical!	
lights up red.	is displayed in red.	Charging voltage critical (*** 51)
	Battery criti- cally low!	_
lights up yellow.	The faulty light source is displayed.	Light source de- fect (IIIII 51)
	Anti-theft alarm batt. capacity low.	Anti-theft alarm battery low charge (I 52)

Indicator and warning lights	Display text	Meaning
	Anti-theft alarm battery discharged.	Anti-theft alarm battery discharged (IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII
	Engine oil level. Check engine oil level.	Low engine oil level (IIII 53)
Iights up red.	Coolant tem- perature too high!	Coolant temper- ature too high (IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII
	Engine!	Drive malfunction (IIII) 54)
flashes red.		Severe drive mal- function (m 54)
lights up yellow.	No communica- tion with en- gine control.	Engine control failure (🎟 54)
lights up yellow.	Fault in the engine control.	Engine in emer- gency-operation mode (IIII 55)
flashes yel- low.	Serious fault in the engine control.	Serious fault in the engine control (*** 55)
	Side stand mon- itoring faulty	Side stand monitoring faulty (🗯 56)
flashes.		ABS self-diagno- sis not completed (IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII
lights up yellow.	Limited ABS availability!	ABS fault (🗰 56)

Indicator and warning lights	Display text	Meaning
lights up.		ABS fault (🗰 56)
lights up yellow.	ABS failure!	ABS failure (🎟 57)
lights up.		
flashes rapidly.		ASC intervention (IMP 35)
flashes slowly.		ASC self-diagno- sis not completed (IIIII) 35)
lights up.	Traction con- trol failure!	ASC fault (🗰 57)
	Engine start not poss. BMW flexcase open. Close BMW flex- case.	BMW flexcase is open (IIII 58)
	Low fuel. Ride to the next filling station.	Fuel down to re- serve (🗰 58)
flashes in		Hazard warn-
green.		Ing lights sys-
green.		(
	is displayed in white.	Service due (==> 59)
	Service due!	
lights up yellow.	is displayed in yel- low.	Service date missed (🗰 59)

Indicator and warning lights	Display text	Meaning
	Service over-	Service date
	due!	missed (🚥 59)

Outside temperature

The outside temperature is displayed in the status line of the TFT display.

Engine heat can lead to spurious readings the outside temperature when the motorcycle is stationary. If the effect of the engine heat becomes excessive, dashes are temporarily displayed instead of the value.



If the outside temperature falls below the following limit value, there is a risk of black ice formation.

T temperature

Approx. 37 °F (Approx. 3 °C)

The first time the temperature drops below this value, the outside temperature display and ice crystal symbol will flash in the status line of the TFT display.

Outside temperature warning



is displayed.

Possible cause:

The ambient temperature measured at the vehicle is lower than 37 °F (3 °C).



Risk of black ice, even above 37 °F (3 °C) Accident hazard

- At a low outside temperature, icy conditions must expected on bridges and in shady road areas.
- Think well ahead when drivina.

Radio-operated key outside reception range

-with Kevless Ride OE



lights up yellow.

Remote key not in range. It is not possible to turn on the ignition again.

Possible cause:

Communication between the kev fob transmitter and the enaine electronics is disrupted.

- Check the battery in the key fob transmitter.
- -with Keyless Ride OE
- Replacing the battery of the kev fob transmitter (m 66).
- Use reserve key for further driving.

-with Kevless Ride OE

- The battery of the radio-operated key is dead or the radiooperated key is lost (me 65).
- Should the Check Control dialog appear while riding, keep calm. You can continue driving; the engine will not turn off
- Have the defective key fob transmitter replaced by an authorized BMW Motorrad retailer

Replacing the battery of the kev fob transmitter



lights up yellow.



Remote key battery at 50%. No functional limitation.



Remote key battery low. Limited central locking function. Change battery.

Possible cause:

- The battery for the key fob transmitter is no longer charged to full capacity. Operation of the key fob transmitter is only ensured for a limited time.
- -with Keyless Ride OE
- Replacing the battery of the key fob transmitter (m 66).

Vehicle voltage too low



is displayed in yellow.



The vehicle voltage is too low. If you continue riding, the vehicle electronics will discharge the battery.

Possible cause:

Consumers with high electrical consumption, e.g. heating vests, are in operation: too many consumers are in operation at the same time, or the battery is defective.

- Switch off consumers that are not needed or disconnect them from the electrical svstem.
- If the malfunction persists or occurs without any consumers connected, have the malfunction corrected as soon as possible at a specialist workshop, preferably an authorized BMW Motorrad retailer.

Vehicle voltage critical



lights up red.

is displayed in red.



Vehicle voltage critical! Consumers were switched off. Check battery condition.

WARNING

Failure of vehicle systems Accident hazard Do not continue ridina.

The battery is not being charged. If you continue riding, the motorcycle electronics will discharge the battery.

If the 12-V battery is inserted incorrectly or the terminals reversed (e.g. when jump starting), it can blow the fuse for the alternator regulator.

Possible cause:

Alternator or alternator drive faulty.

 Have the malfunction corrected as soon as possible at an authorized service facility, preferably an authorized BMW Motorrad Retailer.

Charging voltage critical



lights up red.



is displayed in red.

Battery critically low! Risk of accident. Do not continue to operate vehicle.



Failure of vehicle systems Accident hazard

Do not continue ridina.

The battery is not being charged. If you continue riding, the vehicle electronics will discharge the battery. Possible cause:

Alternator or alternator drive faultv.

 Have the malfunction corrected as soon as possible at an authorized service facility, preferably an authorized BMW Motorrad Retailer.

Light source defect



lights up yellow.



The faulty light source is displayed:



High beam faulty!



Turn indicator front left faultv!

or Turn indicator front right faulty!



Low beam faulty!



Front parking lamp faulty!



Tail light faulty!



Brake light faulty!



Rear left turn signal faulty! or

Rear right turn signal faulty!

- Have checked by a specialist workshop.



WARNING

Overlooking the vehicle in traffic due to a defective light source on the vehicle Safety risk

 Replace defective bulbs as soon as possible; it is best always to carry a complete set of spare bulbs on the motorcycle.

Possible cause:

Multiple front and rear lights are faulty.

• Please read the fault description provided earlier in these instructions.

Anti-theft alarm battery low charge

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

Anti-theft alarm batt. capacity low. No limitations. Arrange an appointment at a specialist workshop.

This fault message is only shown for a short time immediately following the Pre-Ride-Check.

Possible cause:

The anti-theft alarm battery no longer has its full capacity. Operation of the anti-theft alarm system is only ensured for a limited time when the vehicle battery is disconnected.

 Contact a specialist workshop, preferably an authorized BMW Motorrad retailer.

Anti-theft alarm battery discharged

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

Anti-theft alarm battery discharged. No independent alarm. Arrange an appointment at a specialist workshop.

This fault message is only 'n shown for a short time immediately following the Pre-Ride-Check

Possible cause

The anti-theft alarm system battery is completely discharged. Operation of the antitheft alarm system is no longer ensured when the vehicle battery is disconnected.

 Contact a specialist workshop, preferably an authorized BMW Motorrad retailer.

Electronic oil-level check

The electronic oil-level check evaluates the oil level in the engine as OK or LOW

The following conditions must be satisfied in order to use the electronic oil-level check: multiple measurements may be necessary:

- -The rider is sitting on the motorcycle and the motorcycle has been ridden at a speed of at least 6 mph (10 km/h) beforehand
- -Engine idling for at least 20 seconds.
- -Engine is at operating temperature.
- Motorcycle stands vertically on a level surface.

- The side stand is folded in and the vehicle is not resting on the center stand.
- -The spring strut is set according to the load status, or D-ESA is in the Auto loading mode

If the measurement is incomplete or the conditions specified above are not fulfilled, an assessment of the oil level is not possible. Dashes (---) are indicated in place of the note.

Low engine oil level



Engine oil level. Check engine oil

level.

Possible cause:

The electronic oil level sensor has detected that the engine's oil level is too low. Check the engine oil level with the dipstick the next time you stop to refuel:

- Checking the engine oil level (144).
- If oil level is too low:
- Top up engine oil.

Coolant temperature too high lights up red.



Coolant temperature too high! Check coolant level. Carry

on at moderate pace to cool.



Riding with overheated enaine

Engine damage

 Be sure to observe the measures listed below.

Possible cause:

- Coolant level is too low.
- Checking the coolant level (150).
- If coolant level is too low.
- Have the cooling system checked at a specialist workshop, preferably an authorized BMW Motorrad retailer

Possible cause:

The coolant or engine oil temperature is too high.

- If possible, continue driving in the part-load range to cool down the engine.
- Should the coolant or engine oil temperature frequently be too high, have the fault rectified as quickly as possible by a specialist workshop, preferably an authorized BMW Motorrad retailer.

Drive malfunction



Engine! Have L checked by a specialist workshop.

Possible cause

The engine control unit has diagnosed a fault.

- At the next opportunity, have the fault eliminated at a specialist workshop, preferably an authorized BMW Motorrad retailer
- » You may continue to drive if the pollutant emission is above the setpoint values.

Severe drive malfunction



flashes red.

Possible cause:

The engine control unit has diagnosed a fault which can lead to damage of the exhaust svstem

- Have the malfunction corrected as soon as possible at a specialist workshop, preferably an authorized BMW Motorrad retailer.
- » You may continue riding, but it is not recommended.

Engine control failure



lights up yellow.

No communication with engine control. Multiple sys. affected. Ride carefully to the next specialist workshop.

Engine in emergencyoperation mode



lights up yellow.



Fault in the engine control. Onward journey possible. Ride carefully to next specialist workshop.



Unusual handling when the engine is in emergency operation

Accident hazard

 Avoid rapid acceleration and passing maneuvers.

Possible cause:

The engine control unit has diagnosed a fault. In exceptional cases, the engine stops and can no longer be started. Otherwise, the engine runs in the emergency operating mode.

 Continued driving is possible, however the accustomed engine performance may not be available.

 Have the malfunction corrected as soon as possible at an authorized service facility, preferably an authorized BMW Motorrad Retailer.

Serious fault in the engine control



flashes vellow.

Serious fault in the engine control. Onward journey possible. Damage possible. Have checked by a workshop.

WARNING

Damage to engine during emergency operation

Accident hazard

- Drive slowly and avoid rapid acceleration and passing maneuvers.
- · If possible, have the vehicle picked up and the fault eliminated at a specialist workshop, preferably an authorized BMW Motorrad retailer

Possible cause:

The engine control unit has diagnosed a fault, which can lead to a severe secondary fault. The engine is in emergency operation.

- Avoid high load and engine speed ranges if possible.
- Have the malfunction corrected as soon as possible at a specialist workshop, preferably an authorized BMW Motorrad retailer.
- » You may continue riding, but it is not recommended.

Side stand monitoring faulty

Side stand monitoring faulty. Onward journey possible. Stop engine when stationary! Have checked by workshop.

Possible cause:

The side-stand switch or its wiring is damaged. The engine is switched off when the speed falls below 3 mph (5 km/h). The journey cannot be continued.

• Contact a specialist workshop, preferably an authorized BMW Motorrad retailer.

ABS self-diagnosis not completed



🖏 flashes.

Possible cause:

The self-diagnosis routine was not completed; the ABS function is not available. The Scooter must reach a speed of at least 3 mph (5 km/h) before ABS self-diagnosis can be completed.

 Ride off slowly. It must be noted that the ABS function is not available until the self-diagnosis has been completed.

ABS fault



lights up yellow.

lights up.

Limited ABS availability! Onward journey possible. Ride carefully to next specialist workshop.

Possible cause:

The ABS control unit has detected an error. The ABS function is limited.

- It remains possible to continue riding. Observe additional information on special situations which can lead to ABS fault messages (IIII) 137).
- Have the malfunction corrected as soon as possible at an authorized service facil-

ity, preferably an authorized BMW Motorrad Retailer.

ABS failure



lights up yellow.



lights up.



ABS failure! Onward journey possi-

ble. Ride carefully to next specialist workshop.

Possible cause:

The ABS control unit has detected an error. The ABS function is not available.

- It is possible to continue riding if you make allowance for the failed ABS function. You should also observe the additional information on situations that can lead to an ABS fault (im 137).
- Have the malfunction corrected as soon as possible at an authorized service facility, preferably an authorized BMW Motorrad Retailer.

ASC intervention



flashes rapidly.

ASC has detected instability at the rear wheel and responded by reducing the torque. The ASC warning light flashes longer than the ASC intervention lasts. This feature continues to furnish the rider with visual feedback confirming that the system has initiated active closed-loop intervention even after the critical situation has passed.

ASC self-diagnosis not completed



flashes slowly.

Possible cause:

ASC self-diagnosis rou-

The Scooter must reach a specified minimum speed with the engine running before the system can check operation of the wheel speed sensors:

min 3 mph (min 5 km/h)

 Ride off slowly. It must be noted that the ASC function is not available until the self-diagnosis has been completed.

ASC fault



lights up.

Traction control failure! Onward journey possible. Ride carefully to the next specialist workshop.

Possible cause

The ASC control unit has detected a fault.

- It remains possible to continue riding. It must be noted that the ASC function is not available. You should also observe the additional information on situations that can lead to a ASC fault (m 138).
- Have the malfunction corrected as soon as possible at an authorized service facility, preferably an authorized BMW Motorrad Retailer

BMW flexcase is open

Engine start not poss. BMW flexcase open. Close BMW flexcase.

Possible cause:

The BMW flexcase is open.

- Close the BMW flexcase.
- Using the BMW flexcase (80).

Fuel down to reserve



Low fuel. Ride to 🛚 the next filling

station.



Rough engine running or switching off of the engine due to a fuel shortage

Accident hazard, damage to catalytic converter

 Do not drive to the extent that the fuel tank is completely empty.

Possible cause:

At the most, the fuel tank still contains the reserve fuel quantity.

Reserve quantity

Approx. 3.2 guarts (Approx. 3 I)

- -without Keyless Ride OE
- Refueling (m 126).
- -with Kevless Ride OE
- Refueling (
 — 128).

Hazard warning lights system switched on



flashes in green.



flashes in green.

Possible cause:

The hazard warning lights system was switched on by the rider.

• Operating hazard warning flashers (IIII+ 68).

Service display

If service is overdue, the due date or the odometer reading at which service was due is accompanied by the general warning light in yellow. If service is overdue, a yellow Check Control message is displayed. The displays for service, service appointment and remaining distance are also highlighted with exclamation marks in the MY VEHICLE and SERVICE REQUIREMENTS menu windows.

If the service display appears more than a month before the service date, the current day's date must be reset in the instrument cluster. This situation can occur if the battery was disconnected.

Service due



is displayed in white.

Service due! Have a service performed at a specialist workshop.

Possible cause:

Service is due because of the driving performance or the date.

- Have service performed regularly by a specialist workshop, preferably an authorized BMW Motorrad retailer.
- » The operating and road safety of the vehicle remains unchanged.
- » The best-possible value retention of the vehicle is ensured.

Service date missed



lights up yellow.



is displayed in yellow.

Service overdue! Have a service performed at a specialist workshop. Possible cause:

Service is overdue because of the riding performance or the date.

- Have service performed regularly by a specialist workshop, preferably an authorized BMW Motorrad retailer.
- » The operating and road safety of the vehicle remains unchanged.
- » The best-possible value retention of the vehicle is ensured.

OPERATION



IGNITION SWITCH/STEERING LOCK	62
IGNITION WITH KEYLESS RIDE	63
EMERGENCY ON/OFF SWITCH (KILL SWITCH)	67
LIGHTS	67
HAZARD WARNING LIGHTS	68
TURN INDICATORS	69
MULTIFUNCTION DISPLAY	70
SETUP	72
GENERAL SETTINGS ON THE MULTIFUNCTION	
DISPLAY	74
HEATED GRIPS	76
SEAT HEATING	77
SEAT	78
STORAGE COMPARTMENTS	79

62 OPERATION

IGNITION SWITCH/STEERING LOCK

Vehicle keys

You receive two ignition keys.

-with topcase Light ^{OA} A topcase with a lock for the same vehicle key can be ordered on request. Please contact a specialist workshop for this purpose, preferably an authorized BMW Motorrad retailer.

Locking the steering lock

Turn handlebars to left.



- Turn the vehicle key to position **3** while moving the handlebars somewhat.
- » Ignition, lights and all electrical circuits are switched off.
- » Steering lock is locked.
- » The vehicle key can now be removed.

Switching on the ignition



- Turn the vehicle key to the **ON** position.
- » Parking lights and all function circuits switched on.
- » Engine can be started.
- » Pre-Ride-Check is carried out. (IMP 121)
- » ABS self-diagnosis is performed. (IMP 122)
- » ASC self-diagnosis is performed. (IIII) 122)

Switching off the ignition



- Turn the vehicle key to the **OFF** position.
- » The light is switched off, but parking lights and lighting of

the rear storage compartment remain illuminated briefly.

- » Steering lock is not locked.
- » The vehicle key can now be removed.

IGNITION WITH KEY-LESS RIDE

-with Keyless Ride OE

Vehicle keys

The indicator light for the radio-operated key flashes as long as the radio-operated key is being searched for.

If the radio-operated key or the spare key is detected, it goes out.

If the radio-operated key or the spare key is not detected, it lights up briefly.

You are provided with one radio-operated key and one spare key. If you lose your keys, refer to the notes regarding the electronic immobilizer (EWS) (Imm 65).

The ignition, fuel cap and antitheft alarm system are activated with the radio-operated key. The seat locking mechanism and topcase can be operated manually.

If the range of the radiooperated key (e.g. in the topcase) is exceeded, the motorcycle cannot be started. If the radio-operated key continues to be missing, the ignition will be switched off after approx. 1.5 minutes to protect the battery charge.

Do not store the radio-operated key in the luggage compartment.

The antenna may not be able to receive the signal of the radio-operated key, and opening the seat will not be possible. It is advisable to carry the radio-operated key directly on your person (e.g. in a jacket pocket) and to also carry the spare key as an alternative.

Range of Keyless Ride radio-operated key

-with Keyless Ride ^{OE} Approx. 3.3 ft (Approx.

1 m)⊲

Locking handlebars Requirement

Handlebars are turned to the left. Key remote is within reception range.

64 OPERATION



- Press and hold button 1.
- » Steering lock audibly locks.
- » Ignition, lights and all electrical circuits switched off.
- To unlock the steering lock, briefly press button **1**.

Switching on ignition Requirement

Key remote is within reception range.



- The ignition can be activated in **two** ways. **Version 1:**
- Briefly press button 1.
- » Parking light and all function circuits are switched on.
- » Pre-Ride-Check is carried out. (IMP 121)

- »ABS self-diagnosis is performed. (IIII) 122)
- » ASC self-diagnosis is performed. (IMP 122)

Version 2:

- Steering lock is locked, press and hold button **1**.
- » Steering lock is unlocked.
- » Parking lights and all function circuits switched on.
- » Pre-Ride-Check is carried out. (IMP 121)
- »ABS self-diagnosis is performed. (IMP 122)
- »ASC self-diagnosis is performed. ([™] 122)

Switch off ignition Requirement

Key remote is within reception range.



• The ignition can be deactivated in **two** ways.

Version 1:

- Briefly press button 1.
- » Light is switched off.
- » Handlebars are not locked.

Version 2:

- Turn handlebars to left.
- Press and hold button 1.
- » Light is switched off.
- » Steering lock is locked.

EWS Electronic immobilizer

The motorcycle's electronics monitor the data stored in the radio-operated key through a ring antenna in the radio-operated lock. The engine control unit does not enable the engine to start until the radio-operated key has been recognized as "authorized".

If an additional ignition key is attached to the same ring as the radio-operated key used to start the engine, this could affect the electronics, in which case the enabling signal for the engine start is not issued. The warning is displayed in the multifunction display with the key symbol. Always store further vehicle keys separately from the radiooperated key. If you lose a radio-operated key, you can have it disabled by your authorized BMW Motorrad retailer. For this purpose, you should also bring all of the motorcycle's remaining vehicle keys with you.

The engine can no longer be started using a disabled radiooperated key; however, a disabled radio-operated key can be enabled again.

Additional keys can only be obtained from an authorized BMW Motorrad retailer. As the radio-operated keys are part of a safety system, the retailer is under obligation to check your proof of identity.

The battery of the radiooperated key is dead or the radio-operated key is lost



- If you lose your keys, refer to the notes regarding the electronic immobilizer (EWS).
- Should you loose the radiooperated key while riding, the

66 OPERATION

motorcycle can be started by using the spare key.

- If the battery of the key remote is empty, the vehicle can be started by touching the battery cover with the key remote.
- Hold the spare key 1 or the dead radio-operated key 2 against the battery cover at the height of the antenna 3.

The spare key or dead radio-operated key must

be **touching** the battery cover.

Period in which the engine must be started. Then unlocking must be repeated.

30 s

- » Pre-Ride-Check is carried out.
- -Key fob transmitter was detected.
- -Engine can be started.
- Starting engine (
 — 121).

Replacing the battery of the key fob transmitter

If the key fob transmitter fails to react when the button is pressed briefly or is pressed and held:

- The battery of the key fob transmitter no longer has its full charging capacity.
- » KEYLO! appears in the multifunction display.

» Replace battery.



- Press button 1.
- » Key bit folds open.
- Press battery cover **2** upward.
- Remove battery 3.
- Dispose of the old battery in accordance with legal regulations. Do not dispose of the battery in the household waste.

Unsuitable or improperly inserted batteries

Component damage

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

For Keyless Ride radio-operated key

CR 2032

- Install battery cover 2.
- » Red LED in instrument panel flashes.
- » The key fob transmitter is working again.

EMERGENCY ON/OFF SWITCH (KILL SWITCH)



 Emergency on/off switch (kill switch)



Operation of the emergency ON/OFF switch when riding

Danger of falling due to blocking of rear wheel

• Do not operate the emergency ON/OFF switch when riding. The engine can be switched off easily and quickly using the emergency on/off switch.



a Engine is switched off

b Operating position

LIGHTS

Low-beam headlight and parking lights

The parking lights come on automatically when the ignition is switched on.

After the ignition is switched off, the parking lights remain on for a brief period.

The parking lights are a strain on the battery. Do not leave the ignition switched on longer than absolutely necessary.

The low-beam headlight switches on automatically when the engine is switched on.

High beam and headlight flasher



- Press switch **1** toward front to switch on high beam.
- Pull switch **1** toward rear to actuate headlight flasher.

Parking lights

• Turn off ignition.



- Immediately after switching off the ignition, push button 1 to left and hold it until the parking lamps come on.
- Switch ignition on and then off again to switch off parking light.

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 necessary.

If a turn indicator button is pressed when hazard warning lights are on, the turn indicator function replaces the hazard warning light function for the duration of turn indicator operation. Once the turn indicator button is no longer being pressed, the hazard warning light function will resume.



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

switch off the hazard warning lights system.

TURN INDICATORS

Operating turn signals

• Switch on the ignition.



- Press button **1** to the left to switch on the left-side turn signals.
- Press button **1** to the right to switch on the right-side turn signals.
- Move button **1** to the center position to switch off the turn signals.

Comfort turn signals



When button **1** is pushed to the right or left, the turn signals automatically turn off under the following conditions:

- -Speed is under 18 mph (30 km/h): After distance of 165 ft (50 m) is covered.
- -Speed is between 18 mph and 60 mph (30 km/h and 100 km/h): After a speed-dependent distance is covered or during acceleration.
- -Speed is above 60 mph (100 km/h): After turn signal flashes five times.

When button **1** is pushed to the right or left and held slightly longer, the turn signals will only turn off automatically after the speed-dependent distance is covered.

MULTIFUNCTION DISPLAY Selecting display at the top

Switch on the ignition.



• Briefly press the top of the MENU rocker button **1** repeatedly to select the display in area **3**.

The following values can be displayed:

- -Odometer ODO
- -Trip meter 1 TRIP 1
- -Trip meter 2 TRIP 2
- -The automatic trip meter TRIP A is automatically reset if at least 5 hours have passed since the ignition was switched off and the date has changed.
- -Open the settings menu: SETUP ENTER (only displayed if the Scooter is stationary)

Selecting the onboard computer display

• Switch on the ignition.



• Briefly press the bottom of the MENU rocker button **2** repeatedly to select the display of the onboard computer **4**.

If the fuel reserve has been reached, RANGE always appears on the display after the ignition is switched on.

The following values can be displayed:

- -Range RANGE
- -Average consumption CONS 1
- -Average consumption CONS 2
- -Current consumption CONS C
- -Oil level indicator OILLVL
- -Outside temperature EXTEMP
- -Coolant temperature ENGTMP
- -Average speed SPEED Ø
- -Battery voltage VOLTGE
- -Ride time RDTIME
- -Date DATE

Resetting the trip meter

- Switch on the ignition.
- Select the trip distance recorder.
- » The desired trip distance recorder is displayed.



 Press and hold the top of the MENU rocker button 1 until the trip meter 3 is reset.
 » Trip mileage = 0.0

Resetting average values

- Switch on the ignition.
- Briefly press the bottom of the rocker button MENU repeatedly until the average fuel consumption or the average speed is displayed, as desired.



 Hold the bottom of the MENU rocker button 2 until the displayed average value 4 is reset.

Resetting riding time

- Switch on the ignition.
- Briefly press the bottom of the MENU rocker button repeatedly until the riding time RDTIME is displayed.



• Press and hold the bottom of the MENU rocker button **2** until the riding time RDTIME **3** is reset.

» The riding time starts at 00:00:00

SETUP

Selecting SETUP

Requirement

The Scooter is stationary.



- Briefly press the top of the MENU rocker button **1** repeatedly until SETUP ENTER **3** is displayed.
- Press and hold the top of the MENU rocker button 1 to start SETUP.
- » SETUP ASC is displayed.
- Briefly press the top of the MENU rocker button 1 repeatedly to select the following parameters in SETUP:
- -with anti-theft alarm system (DWA) ^{OE}
- -Automatically activate the anti-theft alarm system's alarm function after the ignition is switched off DWA ON or leave it switched off DWA OFF.⊲
- -Set time display CLOCK.
- -Set the date DATE.

- -Adjust the backlighting brightness for the instrument cluster BRIGHT.
- -Set the units UNIT.
- -Reset the displays RESET.
- -Exit SETUP EXIT.

Exiting SETUP Requirement

There are 4 ways to exit SETUP.



- Press and hold the top of the MENU rocker button **1**.
- » SETUP ENTER is displayed.
- Alternative: Briefly press the top of the MENU rocker button **1** repeatedly until SETUP EXIT is displayed.
- Press and hold the bottom of the MENU rocker button **2**.
- » SETUP ENTER is displayed.
- Alternative: turn the ignition off and on again.
- » SETUP ENTER is displayed.
- Alternative: Ride off.

Speed for using SETUP

max 6 mph (max 10 km/h)

- » When the permissible speed for operation is exceeded, SETUP is exited.
- » ODO is displayed.
- » All settings are stored, regardless of how SETUP is exited.

Setting the clock Requirement

The Scooter is stationary.

- Switch on the ignition.
- Selecting SETUP (m 72).
- » SETUP CLOCK is displayed.



- Press and hold the bottom of the MENU rocker button to set the hours.
- » The hours **1** flash.
- Briefly press the top of the MENU rocker button to increase the hours setting.
- Briefly press the bottom of the MENU rocker button to decrease the hours setting.

- After the hours are set, press and hold the bottom of the MENU rocker button.
- » The minutes 2 flash.
- Briefly press the top of the MENU rocker button to increase the minutes setting.
- Briefly press the bottom of the MENU rocker button to decrease the minutes setting.
- After the minutes are set, press and hold the bottom of the MENU rocker button.
- » The minutes **2** no longer flash.
- Check the setting on the time display **3**.
- » Setting is completed.
- Press and hold the top of the MENU rocker button.
- » SETUP ENTER is displayed.

Setting the date Requirement

The Scooter is stationary.

- Switch on the ignition.
- Selecting SETUP (III 72).
- » SETUP DATE is displayed.



- Press and hold the bottom of the MENU rocker button.
- » Month 1 flashes.
- Briefly press the top of the MENU rocker button to increase the month setting.
- Briefly press the bottom of the MENU rocker button to decrease the month setting.
- After the month is set, press and hold the bottom of the MENU rocker button.
- » Day 2 flashes.
- Briefly press the top of the MENU rocker button to increase the day setting.
- Briefly press the bottom of the MENU rocker button to decrease the day setting.
- After the day is set, press and hold the bottom of the MENU rocker button.
- » Year 3 flashes.
- Briefly press the top of the MENU rocker button to increase the year setting.

- Briefly press the bottom of the MENU rocker button to decrease the year setting.
- After the year is set, press and hold the bottom of the MENU rocker button.
- » Year **3** stops flashing.
- » Setting is completed.
- Press and hold the top of the MENU rocker button.
- » SETUP ENTER is displayed.

GENERAL SETTINGS ON THE MULTIFUNCTION DISPLAY

Adjusting the brightness of the backlighting for the instrument cluster Requirement

The Scooter is stationary.

- Switch on the ignition.
- Selecting SETUP (
 — 72).
- Briefly press the top of the MENU rocker button repeatedly until SETUP BRIGHT is displayed.



• Briefly press the bottom of the MENU rocker button **2**

repeatedly until the desired brightness of the backlighting is adjusted.

- Press and hold the top of the MENU rocker button **1** to exit SETUP.
- » SETUP ENTER is displayed.

Setting the units Requirement

The Scooter is stationary.

- Switch on the ignition.
- Selecting SETUP (*** 72).
- Briefly press the top of the MENU rocker button repeatedly until SETUP UNIT ENTER is displayed.
- Press and hold the bottom of the MENU rocker button to activate SETUP UNIT.
- » SETUP UNIT SPEED is displayed.
- Briefly press the top of the MENU rocker button **1** repeatedly to select the following parameters in SETUP UNIT:
- -Change the speedometer unit, KMH or MPH
- -Change the odometer unit, KM or MI
- -Reset the units of the speedometer and odometer to the factory setting.



- Briefly press the bottom of the MENU rocker button 2 repeatedly until the desired unit 3 of the speedometer or the odometer is set.
- To exit the setting, briefly press the top of the MENU rocker button **1** repeatedly until SETUP UNIT EXIT is displayed.
- Press and hold the bottom of the MENU rocker button **2** to exit SETUP UNIT.
- » SETUP RESET is displayed.



• To reset the units to the factory setting, briefly press the top of the MENU rocker

button **1** repeatedly until SETUP UNIT RESET is displayed.

- Press and hold the bottom of the MENU rocker button **2** until the RESET **3** display flashes.
- » The units have been reset to the factory setting.
- » SETUP UNIT EXIT is displayed.
- Press and hold the bottom of the MENU rocker button **2** to exit SETUP UNIT.
- » SETUP RESET is displayed.

Resetting SETUP

- Switch on the ignition.
- Selecting SETUP (** 72).
- Briefly press the top of the MENU rocker button repeatedly until SETUP RESET is displayed.



• Press and hold the bottom of the MENU rocker button **2** until SETUP **3** is reset. The SETUP RESET function also resets the date and time to their standard values.

- » The time 12:00 is displayed.
- Press and hold the top of the MENU rocker button **1** to exit SETUP.
- » SETUP ENTER is displayed.

HEATED GRIPS

-with heated grips OE

Operating heated grips

• Start engine.

The heated grips option can only be activated when the engine is running.



• Repeatedly press button **1** until the desired heating level appears in the display. The grips have three-level heating. The third level is used for heating the grips quickly. It is advisable to switch back to the second or first level once the grips are warm. The following displays are available:

High heater output

Medium heater output



Low heater output

-with Connectivity OE



• Repeatedly press button **1** until the desired heating level appears in the display.

The grips have three-level heating. The third level is used for heating the grips quickly. It is advisable to switch back to the second or first level once the grips are warm. The following displays are available:



Medium heater output

Low heater output

SEAT HEATING

-with seat heating OE

Operating the rider's seat heating

Start engine.

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



Repeatedly press button 1

 until the desired heating level appears in the display.

 The rider's seat has three-level heating. The third level is used for heating the seat quickly.

 It is advisable to switch back to the second or first level as soon as the seat is warm. The following displays are available:



High heater output



Medium heater output



Low heater output

-with Connectivity OE



 Repeatedly press button 1 until the desired heating level appears in the display.

The rider's seat has three-level heating. The third level is used for heating the seat quickly. It is advisable to switch back to the second or first level as soon as the seat is warm. The following displays are available:

3 458

2 Medium heater output

C	
	120
	and

Low heater output

SEAT

Operating the seat

Switch on the ignition.



• Press button **1**. » The seat is unlocked.

-without Keyless Ride OE



- The seat can also be unlocked without switching on the ignition. To do so, insert the ignition key 3 into the lock 4 on the right-hand side trim panel and turn clockwise.
- » The seat is unlocked. \lhd

-with Keyless Ride OE



- The seat can also be unlocked without switching on the ignition. To do so, insert the key remote **3**, which is folded open, into the lock **4** on the right-hand side trim panel and turn clockwise.
- » The seat is unlocked. \lhd



• Raise the seat **5** at the rear and fold it open.



• To close, press the seat **5** into the locking mechanism at the rear.

STORAGE COMPARTMENTS Operating the front storage compartments

-without Keyless Ride OE



- To open a storage compartment, press the corresponding button **1**.
- To close a storage compartment, press the corresponding flap into the locking mechanism.

The storage compartments cannot be locked.⊲

Operating the front storage compartments

-with Keyless Ride OE

• Switch on the ignition.



- To open a storage compartment, press the corresponding button 1.
- To close a storage compartment, press the corresponding flap into the locking mechanism.
- After the ignition is switched off, both storage compartments are locked after an after-running period.

☐ After-running period for opening the storage compartments

10 s⊲

Using the BMW flexcase

 Operating the seat (IIII) 78). The lighting of the storage compartment is switched on when the ignition is switched on. After switching off the ignition, the storage compartment lighting remains lit for a short time.



- Pull the release lever 1 to the front to increase the storage compartment, e.g. for storing a motorcycle helmet.
- » The floor 2 will drop.
- » If the floor is lowered, the vehicle cannot be started



🖂 When the ignition is switched on, the storage compartment icon is displayed.

» - with connectivity

If the ignition has been switched on, Engine start not poss. BMW flexcase open. Close BMW flexcase. is displayed.



• The BMW flexcase offers space for an integral helmet.

flexcase payload

max 11 lbs (max 5 kg)



• A jet helmet can be stored as shown in the front part of the storage compartment.

Payload of front storage

max 7 lbs (max 3 kg)

Close seat.



- To continue driving, open the seat.
- Empty the luggage compartment.
- Pull the floor **2** upward into the locking mechanism using the lever **3**.

When the ignition is switched on, the storage compartment icon is not displayed.

»-with connectivity If the ignition has been switched on, Engine start not poss. BMW flexcase open. Close BMW flexcase. is hidden.

- Close seat.
- » You can continue your journey.



GENERAL NOTES	84
PRINCIPLE	85
PURE AND URBAN VIEWS	91
GENERAL SETTINGS	91
ONBOARD COMPUTER	93
BLUETOOTH	94
MY VEHICLE	97
NAVIGATION	99
MEDIA	101
PHONE	101
DISPLAY SOFTWARE VERSION	102
DISPLAY LICENSE INFORMATION	102

GENERAL NOTES

Warnings



Operation of a smartphone while riding or with the engine running

Accident hazard

- Observe the relevant road traffic regulations.
- Do not use while riding (except for applications without operation such as telephony via the hands-free system).

WARNING

Distraction from traffic conditions and loss of control

Risk of accident through the use of integrated information systems and communication devices during the journey

- Operate these systems or devices only if the traffic situation allows.
- If necessary, stop and operate the system or devices at a standstill.

Connectivity functions

Connectivity functions include media, telephony and navigation. Connectivity functions can be used if the TFT display is connected with a mobile end device and a helmet (IIII 94). You can find more information about the Connectivity functions at: **bmw-motorrad.com**

If the fuel tank is between the mobile end device and the TFT display, the Bluetooth connection may be restricted. BMW Motorrad recommends storing the mobile end device above the fuel tank (e.g. in the jacket pocket).

Depending on the mobile end device, the scope of the Connectivity functions may be limited.

BMW Motorrad Connected App

With the BMW Motorrad Connected App, you can call up information about the vehicle and usage. To use some features such as navigation, the app must be installed on the mobile end device and be connected to the TFT display. The app starts the route guidance and adapts the navigation. On some mobile devices, e.g. with operating system iOS, the BMW Motorrad Connected App must be called up before using.

Notice concerning current status

After the editorial deadline, there may be updates to the TFT display. For this reason, some aspects of your Scooter may vary from the descriptions in this Rider's Manual. Updated information at: **bmw-motorrad.com**

PRINCIPLE

Operating elements



All contents of the display are controlled by the Multi-Controller **1** and the rocker button MENU **2**.

The following functions are possible depending on the context.

Functions of the Multi-Controller

Turn the Multi-Controller up:

- -Move cursor up in lists.
- -Make settings.
- Increase volume.

Turn the Multi-Controller down:

- -Move cursor down in lists.
- -Make settings.
- -Reduce volume.

Tilt Multi-Controller to the left:

- Activate the function according to the operating feedback.
- -Activate function to the left or back.
- -After settings, return to menu view.
- -In the menu view: move up one hierarchy level.
- In the My Vehicle menu: leaf to the next menu sheet.

Tilt Multi-Controller to the right:

- Activate the function according to the operating feedback.
- -Confirm selection.
- -Confirm settings.
- -Leaf to the next menu step.
- -Scroll to right in lists.
- -In the My Vehicle menu: leaf to the next menu sheet.

Rocker button MENU functions

Navigation instructions are displayed as a dialog if the Navigation menu has not been called up. Operation of the MENU rocker button is temporarily restricted.

Briefly press the MENU up:

- -In the menu view: move up one hierarchy level.
- -In the Pure view: change the display for the rider info status line.

MENU long press up:

- -In the menu view: open the Pure view.
- In the Pure view: change the operating focus to the navigator.

MENU short press down:

- Change a hierarchy level down.
- -No function when lowest hierarchy level is reached.

MENU long press down:

 Return to the last menu, after a menu change has been previously carried out by long press of the rocker button MENU at the top.

Operating instructions in the main menu



The operating instructions indicate whether and which interactions are possible.



Meaning of the operating instructions:

- -Operating instructions **1**: The left end has been reached.
- -Operating instructions **2**: You can scroll to the right.
- -Operating instructions **3**: You can scroll down.
- -Operating instructions **4**: You can scroll to the left.
- -Operating instructions **5**: The right end has been reached.

Operating instructions in submenus

In addition to the operating instructions in the main menu, there are additional operating instructions in submenus.



Meaning of the operating instructions:

- -Operating instructions **1**: The current display is in a hierarchical menu. One icon indicates one submenu level. Two icons indicate two or more submenu levels. The color of the icon changes depending on whether it is possible to return to the top.
- -Operating instructions **2**: Another submenu level can be called up.
- -Operating instructions **3**: There are more entries than can be displayed.

Display Pure view

 Rocker button MENU long press up.

Switching functions on and off



Some items are preceded by a box. The box indicates whether the function is switched on or off. Action icons after the menu items illustrate what is switched by briefly tilting the Multi-Controller to the right. **Examples for switching on** and off:

- -lcon **1** indicates that the function is switched off.
- -lcon **2** indicates that the function is switched on.
- -lcon 3 indicates that the function can be switched on.
- -Icon 4 indicates that the function can be switched off.

Calling up the menu



- Display Pure view (IIII 87).
- Briefly press button **2** down-ward.

The following menus can be called up:

- My vehicle
- Navigation
- Media
- Telephone
- Settings
- Press Multi-Controller 1 repeatedly briefly to the right until the desired menu item is marked.
- Briefly press button **2** down-ward.

The Settings menu can only be called up when stationary.

Moving the cursor in lists



- To move the cursor down in lists, turn the Multi-Controller **1** down until the desired entry is marked.
- To move the cursor up in lists, turn the Multi-Controller **1** up until the desired entry is marked.

Confirming the selection



- Select desired entry.
- Multi-Controller **1** short press to right.

Calling up the last menu used

- In the Pure view: press and hold the bottom of the MENU rocker button.
- » The last used menu is called up. The last marked entry is selected.

Operating focus change

When the Navigator is connected, you can switch between the operation of the Navigator and the TFT display.

Changing the operating focus

- -with navigation system OA
- Install navigation device (IIII) 184).
- Display Pure view (= 87).
- Rocker button MENU long press up.
- » Operating focus changes to the Navigator or the TFT display. The respectively active device is marked on the left in the upper status line. Operator actions apply to the respectively active device until the operating focus is changed again.
- » Operating the navigation system. (┉ 185)

Changing the display for rider info. status line Requirement

The vehicle is stationary. The Pure view is displayed.

- Switching on the ignition (IMP 62).
- In the TFT display, all information necessary for operation on public roads is provided by the onboard computer. The information can be displayed in the upper status line.
- Select content of driver info. status line (IIII 90).



- Press and hold button **1** to display the Pure view.
- Press button **1** briefly to select the value in the upper status line **2**.

The following values can be displayed:

- Total distance Total



Current distance 1

90

TFT DISPLAY



Current distance 2



Consumption 1 (average)

Consumption 2 (average)



Riding time 1



Riding time 2



Break 1



Break 2



Speed 1 (average)



Speed 2 (average)



Range



Fuel tank level

Select content of driver info. status line

- Call up menu Settings, Display, Status line content.
- Turn on desired displays.
- It is possible to change between the selected displays in the driver info. status line. If no displays are selected, only the range is shown.

Making settings



- Select desired settings menu and confirm.
- Turn Multi-Controller **1** down until the desired setting is marked.
- If an operating instruction is present, tilt Multi-Controller **1** to the right.
- If no operating instruction is present, tilt Multi-Controller **1** to the left.
- » The setting is saved.

Switch Speed Limit Info on or off

Requirement

Vehicle is connected with the Navigator or a compatible mobile end device. The BMW Motorrad Connected app is installed on the mobile end device.

- Speed Limit Info displays the currently permitted top speed.
- Call up menu Settings, Display.

• Switch Speed Limit Info on or off.

PURE AND URBAN VIEWS

Pure view



In the Pure view, all information required for operation on public roads is made available. The speedometer **1** shows the

current vehicle speed. Pressing the top of the MENU rocker button briefly displays the range **2** instead of the fuel gage.

The range **2** indicates the distance that can still be traveled with the remaining fuel. This distance is calculated based on average consumption and the remaining fuel quantity.

-When the vehicle is propped on its side stand, the resulting angle of inclination means that the sensor cannot register the fuel quantity correctly. For this reason, the range is only recalculated when the side stand is folded in.

- -The range is displayed together with a warning once the fuel reserve is reached.
- After refueling, the range is recalculated if the fuel quantity is greater than the fuel reserve.
- -The calculated range is only an approximate figure.

Urban view



As additional information, the Urban display also shows the engine speed in a numerical display **1** and a bar display **2**. It can be opened via the main menu.

GENERAL SETTINGS

Adjusting the volume

- Connect the rider's helmet and the passenger helmet (IMP 96).
- Increase volume: turn Multi-Controller up.

- Reduce volume: turn Multi-Controller down.
- Mute: turn Multi-Controller all the way down.

Set date

- Switching on the ignition (IIII) 62).
- Call up menu Settings, System settings, Date and time, Set date.
- Set Day, Month, and Year.
- Confirm setting.

Adjust date format

- Call up menu Settings, System settings, Date and time, Date format.
- Select desired setting.
- Confirm setting.

Setting the clock

- Switching on the ignition (**** 62).
- Call up menu Settings, System settings, Date and time, Set time.
- Set Hour and Minute.

Setting the time format

- Call up menu Settings, System settings, Date and time, Time format.
- Select desired setting.
- Confirm setting.

Switch GPS synchronization on or off

- Call up menu Settings, System settings, Date and time.
- Switch GPS synchronization on or off.
- If the corresponding option has been activated in the Navigator, the time will be taken over from the Navigator.

Adjust units of measurement

- Call up menu Settings, System settings, Units. The following units of measurement can be set: -Distance covered
- -Pressure
- Temperature
- Consumption

Adjust language

- Call up menu Settings, System settings, Language.
- The following languages can be set:
- -Chinese
- –German
- -English (UK)
- -English (US)
- -Spanish
- -French
- -ltalian
- -Japanese
- –Korean
- -Dutch

- -Polish
- -Portuguese
- -Russian
- –Thai
- –Turkish
- –Ukrainian

Adjusting brightness

- Go to Settings, Display, Brightness menu.
- Adjust brightness.
- » The brightness of the display is dimmed to the set value if ambient brightness falls below a defined value.

Reset all settings

- All settings in the Settings menu can be reset to the factory settings.
- Call up menu Settings.
- Select Reset all and confirm.

The settings of the following menus are reset:

- Vehicle settings
- System settings
- Connections
- Display
- Information
- » Existing Bluetooth connections are not deleted.

ONBOARD COMPUTER

Calling up the onboard computer

- Go to My vehicle menu.
- Scroll to the right until the ONBOARD COMPUTER menu panel is displayed.

Reset on-board computer

- -with Connectivity OE
- Calling up the onboard computer (IMP 93).
- Press MENU rocker button down.
- Select Reset all values or Reset individual values and confirm.

The following values can be reset individually:

- Break
- Journey
- Current (TRIP 1)
- Speed
- Consump.

Call up travel on-board computer

- -with Connectivity OE
- Calling up the onboard computer (IMP 93).
- Scroll to the right until the TRIP COMPUTER menu panel is displayed.

Reset travel on-board computer

-with Connectivity OE

- Call up travel on-board computer (IMP 93).
- Press MENU rocker button down.
- Select Automatic reset or Reset all values and confirm.
- » If Automatic reset has been selected, the travel onboard computer is automatically reset if at least 6 hours have passed since the ignition was switched off and the date has changed.

BLUETOOTH

Short-range radio technology

The Bluetooth function may not be offered depending on the country of use.

Bluetooth is a short-range wireless technology. Bluetooth devices are short-range devices (transmitting with a limited range) 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 license being required.

Although Bluetooth is designed for establishing robust con-

nections over short distances, faults are possible as with any other wireless technology. Connections can be subject to interference, can be briefly interrupted or lost entirely. Especially when several devices are operated in one Bluetooth network, there is no guarantee for smooth operation in every situation.

Possible sources of interference:

- -Interference fields due to transmission towers and similar.
- -Devices with Bluetooth radio standard that has been incorrectly implemented.
- -By nearby Bluetooth-capable devices.

Bluetooth pairing

Before two Bluetooth devices can be linked to one another, they must recognize each other. This process of mutual recognition is known as "pairing". Because two devices that have been paired remember each other, the Bluetooth pairing process only needs to be conducted once, on initial contact. On some mobile devices, e.g. with operating system iOS, the BMW Motorrad Connected App must be called up before using.

During the Bluetooth pairing process, the TFT display searches for other Bluetoothcapable devices within its reception range. The conditions that have to be satisfied before the audio system can recognize another device are as follows:

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

Please consult the operating instructions for your communication system.

Performing Bluetooth pairing

- Call up menu Settings, Connections.
- » Bluetooth connections can be established, managed, and deleted in the CONNECTIONS menu. The following Bluetooth connections are displayed:

- Mobile device
- Rider's helmet
- Passenger helm.

The connection status for mobile end devices is displayed.

Connect mobile end device

- Performing Bluetooth pairing (**** 95).
- Activate the Bluetooth function of the mobile end device (see operating instructions for the mobile end device).
- Select Mobile device and confirm.
- Select PAIR NEW MOBILE DEVICE and confirm. Mobile end devices are searched for.

During the Bluetooth pairing, the Bluetooth symbol flashes in the lower status line.

Visible mobile end devices are displayed.

- Select the mobile end device and confirm.
- Observe the instructions for the mobile end device.
- Confirm that the codes match.
- » The connection is established and the connection status is updated.
- » If the connection cannot be established, the troubleshooting chart in the "Technical

data" chapter may provide assistance. (IIII 196)

- » Depending on the mobile end device, telephone data is transferred to the vehicle automatically.
- » Telephone data (🗰 102)
- » If the phone book is not displayed, the troubleshooting chart in the "Technical data" chapter may provide assistance. (IIII 197)
- » If the Bluetooth connection does not work as expected, the troubleshooting chart in the "Technical data" chapter may provide assistance. (m 197)

Connect the rider's helmet and the passenger helmet

- Performing Bluetooth pairing (IMP 95).
- Select Rider's helmet or Passenger helm. and confirm.
- Show the communication system of the helmet.
- Select PAIR NEW RIDER'S HELMET or PAIR NEW PAS-SENG. HELMET and confirm. Helmets are searched for.

During the Bluetooth pairing, the Bluetooth symbol flashes in the lower status line.

Visible helmets are displayed.

- Select helmet and confirm.
- » The connection is established and the connection status is updated.
- » If the connection cannot be established, the troubleshooting chart in the "Technical data" chapter may provide assistance. (IMP 196)
- If the Bluetooth connection does not work as expected, the troubleshooting chart in the "Technical data" chapter may provide assistance. (mm 197)

Delete connections

- Call up menu Settings, Connections.
- Select Delete connections.
- To delete an individual connection, select the connection and confirm.
- To delete all connections, select Delete all connections and confirm.

MY VEHICLE

Start screen



- 1 Check Control display Layout (┉ 43)
- 3 Range (🗰 91)
- 4 Service display (m 59)
- 5 Vehicle mileage/km
- 6 Vehicle voltage (IIII 167)
- 7 Oil-level check (m 53)

Operating instructions



- -Operating instructions **1**: Tabs that show how far to the left or right you can scroll.
- -Operating instructions **2**: Tab that shows the position of the current menu screen.

Scroll through menu windows



- Call up menu My vehicle.
- To scroll to the right, briefly push the Multi-Controller **1** to the right.
- To scroll to the left, briefly push the Multi-Controller **1** to the left.

The "My vehicle" menu contains the following windows: - MY VEHICLE

- -CC messages (if available)
- ONBOARD COMPUTER
- TRIP COMPUTER
- SERVICE REQUIREMENTS
- Further information on the tire pressure and CC messages can be found in the section "Displays".

Check-Control messages are dynamically added to the menu screens in the My vehicle menu as additional tabs.

On-board computer and travel on-board computer

The ONBOARD COMPUTER and TRIP COMPUTER menu panels show the vehicle and journey data, e.g. average values.

Service display



If the time remaining until the next service is less than a month, or if the next service is due within 700 mi (1000 km), a white Check Control message is displayed.

NAVIGATION

Warnings

Operation of a smartphone while riding or with the engine running

Accident hazard

- Observe the relevant road traffic regulations.
- Do not use while riding (except for applications without operation such as telephony via the hands-free system).

Distraction from traffic conditions and loss of control

Risk of accident through the use of integrated information systems and communication devices during the journey

- Operate these systems or devices only if the traffic situation allows.
- If necessary, stop and operate the system or devices at a standstill.

Prerequisite

The vehicle is connected to a compatible mobile end device via Bluetooth.

The BMW Motorrad Connected App is installed on the mobile end device.

On some mobile devices, e.g. with operating system iOS, the BMW Motorrad Connected App must be called up before using.

Enter destination address

- Connect mobile end device (IPP 95).
- Call up the BMW Motorrad Connected app and start the route guidance.
- Call up menu Navigation in the TFT display.
- » Active route guidance is displayed.
- » If the active route guidance is not displayed, the troubleshooting chart in the "Technical data" chapter may provide assistance. (IIII 197)

Select destination from most recent destinations

- Call up menu Navigation, Recent destinations.
- Select destination and confirm.
- Select Start route guidance.

Select destination from favorites

- The FAVORITES menu shows all destinations that have been saved as a favorite in the BMW Motorrad Connected app. It is not possible to create new favorites on the TFT display.
- Call up menu Navigation, Favorites.
- Select destination and confirm.
- Select Start guidance.

Enter special destination

- Special destinations, e.g. landmarks, can be displayed on the map.
- Call up menu Navigation, POIs.

The following locations can be selected:

- At current location
- At destination
- Along the route
- Select the area to look for special destinations.

E.g. the following special destination can be selected:

- Filling station
- Select special destination and confirm.
- Select Start route guidance and confirm.

Define route criteria

• Call up menu Navigation, Route criteria.

The following criteria can be selected:

- Route type
- Avoid
- Select desired Route type.
- Switch desired Avoid on or off.

The number of enabled avoidances is displayed in brackets.

End route guidance

- Call up menu Navigation, Active route guidance.
- Select End route guidance and confirm.

Switch spoken directions on or off

- Connect the rider's helmet and the passenger helmet (IIII) 96).
- The navigation can be read out by a computer voice. To do this, the Spoken instructions must be switched on.
- Call up menu Navigation, Active route guidance.
- Switch Spoken instructions on or off.

Repeat last spoken directions

- Call up menu Navigation, Active route guidance.
- Select Current instruction and confirm.

MEDIA

Prerequisite

The vehicle is connected to a compatible mobile end device and a compatible helmet.

Control music playback



• Call up menu Media. BMW Motorrad recommends setting the volume for media and conversations via mobile end devices to the maximum before starting a journey.

- Adjusting the volume (= 91).
- Next title: Tilt the Multi-Controller **1** briefly to the right.
- Last title or start of current title: Tilt the Multi-Controller **1** briefly to the left.
- Fast forward: Tilt and hold the Multi-Controller **1** to the right.

- Fast rewind: Tilt and hold the Multi-Controller **1** to the left.
- Call up context menu: Press button **2** down.

Depending on the mobile end device, the scope of the Connectivity functions may be limited.

- » The following functions can be used in the context menu:
- Playback or Pause.
- -For search and playback, select the category Now playing, All artists, All albums, or All tracks. -Select Playlists.

In the Audio settings submenu you can adjust the following settings:

- -Switch Shuffle on or off.
- Repeat: Select Off, One (current track) or All.

PHONE

Prerequisite

The vehicle is connected to a compatible mobile end device and a compatible helmet.

Make a phone call



- Call up menu Telephone.
- Accept telephone call: Tilt the Multi-Controller **1** to the right.
- Reject telephone call: Tilt the Multi-Controller **1** to the left.
- End telephone call: Tilt the Multi-Controller **1** to the left.

Muting

The microphone in the helmet can be muted during active conversations.

Conversations with multiple users

A second telephone call can be accepted during a conversation. The first conversation will be put on hold. The number of active telephone calls is displayed in the Telephone menu. It is possible to switch between two conversations.

Telephone data

Depending on the mobile end device, telephone data is transferred to the vehicle automatically after the Bluetooth pairing (IIII) 94).

Phone book: List of contacts saved in the mobile end device Call list: List of telephone calls with the mobile end device

Favorites: List of favorites saved in the mobile end device

DISPLAY SOFTWARE VERSION

• Call up menu Settings, Information, Software version.

DISPLAY LICENSE INFORMA-TION

• Call up menu Settings, Information, Licenses.
ANTI-THEFT ALARM SYSTEM



OVERVIEW	106
ACTIVATION	106
ALARM FUNCTION	109
DEACTIVATION	110
PROGRAMMING	111

106 ANTI-THEFT ALARM SYSTEM

OVERVIEW

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

General information on DWA

Any attempt to move the vehicle, change its position, start it without authorization. or disconnect the vehicle battery, results in the alarm being trigaered. The sensitivity of the system is designed so that minor vibrations of the motorcvcle do not trigger an alarm. Each theft attempt is signaled following activation of the system acoustically with the siren and optically with synchronized flashing of all 4 turn indicators. You can adjust the behavior of vour DWA in partial areas to meet vour needs.

Protection of motorcycle battery

To protect the motorcycle battery and to maintain the starting capability, the activated DWA switches off automatically after several days. However, it remains active for at least 10 days.

Radio interference

Radio systems or devices which transmit on the same frequency as the remote control of the DWA can interfere with its function. With corresponding problems point the remote control at the motorcycle from a different direction.

ACTIVATION

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

Activate DWA

- Switching on the ignition (*** 62).
- Adjust DWA (🗰 108).
- -without Keyless Ride OE
- Turn off ignition.
- If the DWA is activated, the DWA is automatically activated after the ignition is switched off.
- » Activation takes approximately 30 seconds to complete.
- » Turn indicators are illuminated twice.
- » Confirmation tone sounds twice (if programmed).
- » The anti-theft alarm system is active.

-with Keyless Ride OE



- Turn off ignition.
- Press button **1** on the radiooperated key once.
- » Activation takes approximately 30 seconds to complete.
- » Turn indicators are illuminated twice.
- » Confirmation tone sounds twice (if programmed).
- » The anti-theft alarm system is active.



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

- » Turn signals are illuminated three times.
- » Confirmation tone sounds three times (if programmed).
- » Movement sensor is deactivated.⊲

Activation with Keyless Ride

-with Keyless Ride OE



- Switch off the ignition.
- Press the button **1** on the radio-operated key.
- » Activation takes approximately 30 seconds to complete.
- » Turn signals are illuminated twice.
- » Confirmation tone sounds twice (if programmed).
- » The anti-theft alarm system is active.

108 ANTI-THEFT ALARM SYSTEM



- To deactivate the motion sensor (for example, if the motorcycle is being transported on a train and the train's movements could trigger the alarm signal), press the button **1** on the radio-operated key again during the activation phase.
- » Turn signals are illuminated three times.
- » Confirmation tone sounds three times (if programmed).
- » Motion sensor is deactivated.

Deactivating the movement sensor

-with Keyless Ride OE



- Press the button **1** of the key remote again during the activation phase.
- » Turn signals are illuminated three times.
- » Confirmation tone sounds three times (if programmed).
- » Movement sensor is deactivated.

Adjust DWA Requirement

The Scooter is standing.

- Switch on the ignition.
- Selecting SETUP (
 — 72).
- Repeatedly press MENU rocker button up until SETUP DWA is displayed.



• Press MENU rocker button down **2** briefly to switch between DWA ON **3** and DWA OFF.

The following settings are available:

- DWA ON: DWA has been activated or is automatically activated after the ignition is switched off.
- DWA OFF: DWA is deactivated.
- Press and hold MENU rocker button up **1** to exit SETUP.
- » SETUP ENTER appears on the display.
- -with Connectivity OE
- Switch on the ignition.
- Call up menu Settings, Vehicle settings, Alarm system.
- » The following settings are available:
- -Adapt Warning signal
- -Switch Tilt sensor on and off

- -Switch Arming tone on and off
- -Switch Arm automatically on and off
- » Programming options (→ 111)

ALARM FUNCTION

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

Alarm activation

The DWA alarm can be set off by:

- Motion sensor
- -Switching on ignition with an unauthorized motorcycle key
- -Disconnection of the DWA from the vehicle battery (DWA battery takes over the power supply)

Alarm signal

The DWA alarm can be set off by:

- -motion sensor
- -switching on ignition with an unauthorized motorcycle key
- -disconnecting the DWA from the motorcycle battery (DWA battery takes over the power supply – alarm sound only, hazard warning lights do not flash)

110 ANTI-THEFT ALARM SYSTEM

If the DWA battery is discharged all functions remain operational; the only difference is that the alarm cannot be set off if the system is disconnected from the motorcycle battery.

The duration of the alarm is approx. 26 seconds. During the alarm, an alarm tone sounds and the turn indicators flash. The type of alarm sound can be set by an authorized BMW Motorrad retailer.

-with Keyless Ride OE



A triggered alarm can be canceled at any time by pressing the button **1** on the radio-operated key without deactivating the DWA.

If an alarm was triggered 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 signals the reason for the alarm for one minute.

Light signals on DWA LED:

- -1 flash: motion sensor 1
- -2 flashes: motion sensor 2
- -3 flashes: ignition turned on with unauthorized ignition key
- 4 flashes: alarm system disconnected from vehicle battery
- -5 flashes: motion sensor 3

DEACTIVATION

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

Deactivating the alarm function

 Switch on the ignition with an authorized ignition key.
 –with Keyless Ride ^{OE}



• Press button **1** on the radiooperated key once.

If the alarm function is deactivated using the radiooperated key and the ignition is not then switched on, it will reactivate automatically after 30 seconds if "activation after ignition off" is programmed.

- » Turn indicators light up once.
- » The alarm tone sounds once (if programmed).
- » The alarm function is deactivated.

Factory settings

The anti-theft alarm system is delivered with the following factory settings:

- -Confirmation alarm tone after activation/deactivation of the DWA: no.
- -Alarm tone: increasing.

PROGRAMMING

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

Programming options

Your BMW Motorrad partner can adapt the anti-theft alarm system in the following areas to meet individual requirements:

- -Confirmation alarm tone after activating/deactivating the DWA in addition to the turn signals lighting up.
- -Rising and falling or intermittent alarm tone.

-with Connectivity OE The anti-theft alarm system can be adapted in the menu Settings, Vehicle settings, Alarm system.

SETTING



MIRRORS	114
HEADLIGHTS	114
SPRING PRELOAD	114

114 SETTING

MIRRORS

Adjusting mirrors



• Move mirror into desired position by pressing it lightly.

Adjusting the mirror arm



Push the rubber cap 1 up.
If necessary, loosen the lock nut 4 (left-hand thread), align the mirror 2 and secure it with the lock nut 4, bracing against the adapter 3.

Left mirror (lock nut) to adapter

16 lb/ft (22 Nm) (Left-hand thread)

• Push the rubber cap **1** down.

HEADLIGHTS

Headlight adjustment, righthand/left-hand traffic

This vehicle is equipped with a symmetrical lowbeam headlight. No further measures are needed to ride in countries in which traffic moves on the other side of the road than in the country of registration.

Headlight range and spring preload

The headlight range generally remains constant due to the adjustment of the spring preload to the loading state. If you are in doubt about the correct headlight range adjustment, please contact a specialist workshop, preferably an authorized BMW Motorrad retailer.

SPRING PRELOAD Setting

It is essential to set the spring preload on the rear wheel to suit the load carried by the Scooter. Increase spring preload when the vehicle is heavily loaded and reduce spring preload accordingly when the vehicle is lightly loaded.

Adjusting the spring preload on the rear wheel

• Park the Scooter, making sure the ground is level and firm.



- To increase the spring preload, turn the adjustment rings 1 in arrow direction A using a tool from the onboard tool kit.
- To reduce the spring preload, turn the adjustment rings **1** in the arrow direction **B** using a tool from the on-board tool kit.

Basic setting of spring

Level 1 (filled up with fuel, with rider weighing 85 kg)

Level 1 (One-up without load)

Level 3 (One-up with load)

Level 5 (Two-up with load)

 Make sure that the same values are set on both spring struts.





SAFETY INSTRUCTIONS	118
OBSERVE CHECKLIST	120
STARTING	121
RIDING	123
BREAKING IN	123
BRAKES	124
PARKING THE SCOOTER	125
REFUELING	126
REFUELING	128
VERSION 1	128
VERSION 2	129
OPEN FUEL FILLER CAP EMERGENCY RELEASE	130
CLOSE FUEL FILLER CAP EMERGENCY RELEASE	130
SECURING THE VEHICLE FOR TRANSPORT	130

SAFETY INSTRUCTIONS

Rider's equipment

Do not ride without the correct clothing:

- -Helmet
- -Rider's suit
- -Gloves
- -Boots

This applies even to short journeys, and to every season of the year. Your authorized BMW Motorrad retailer will be happy to advise you and has the correct clothing for every purpose.



WARNING

Seizure of loose textile fabrics, luggage items or straps in open running rotating vehicle parts (wheels, prop shaft)

Risk of accident

- Make sure that no loosely worn textile fabrics can get caught in open, running and rotating vehicle parts.
- Keep luggage items as well as tension belts and lashing straps away from open, running and rotating vehicle parts.

Load

Reduced riding stability caused by overloading and uneven loading Accident hazard

- Do not exceed the gross weight limit and observe the loading information.
- Adjust the spring preload settings to the gross vehicle weight.
- Comply with maximum payload of luggage rack.

Payload of luggage rack

max 20 lbs (max 9 kg)

• Observe the maximum payload of the topcase.

Payload of Topcase

max 11 lbs (max 5 kg)

Speed

If you ride at high speeds, always bear in mind that marginal conditions such as the following can adversely affect the handling of the Scooter:

- -Spring system setting
- -Unevenly distributed load
- -Loose clothing
- Insufficient tire inflation pressure
- -Tire tread in poor condition

Risk of poisoning

Exhaust gas contains carbon monoxide, which is colorless and odorless but highly toxic.

Harmful exhaust gas

Danger of suffocation

- Do not inhale exhaust fumes.
- Do not run the engine in closed rooms.

Inhalation of vapors that are harmful to health

Damage to health

- Do not inhale vapors from operating fluids and plastics.
- Only use the vehicle outdoors.

Burn hazard



Intense heating up of engine and exhaust system while riding Burn hazard

 After parking the motorcycle, make sure that no persons or objects come into contact with the engine and exhaust system.

Catalytic converter

There is a danger of overheating and damage if misfiring causes unburned fuel to enter the catalytic converter. For this reason, observe the following points:

- -Do not run the fuel tank dry.
- -Engine has not been operated in the engine speed limit range for a longer period.
- -Stop the engine immediately if it misfires.
- -Use unleaded fuel only.
- -Comply with all specified maintenance intervals.



Unburned fuel in the catalytic converter

Damage to catalytic converter

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

Danger of overheating

Engine idling for a lengthy period while at a standstill

Overheating due to insufficient cooling; in extreme cases vehicle fire

- Do not allow the engine to idle unnecessarily.
- After starting, ride off immediately.

Modifications

Manipulations on the Scooter (e.g. engine control unit, throttle valves, clutch)

Damage to the affected parts, failure of safety-relevant functions. Damage resulting from manipulations is not covered by the warranty.

• Do not make any modifications.

OBSERVE CHECKLIST

• Use the following checklist to check your motorcycle at regular intervals.

Requirement Before every journey:

- Check operation of the brake system.
- Check operation of the lighting and signal system.
- Check tire tread depth (m 152).
- Checking the tire pressure (IIIII 151).
- Make sure the topcase and luggage are secure.

Requirement At every third refueling stop:

- Adjusting the spring preload on the rear wheel (IMP 115).
- Checking the engine oil level (Imp 144).
- Checking the front brake pad thickness (IIII+ 146).
- Checking the rear brake pad thickness (IIII+ 147).
- Checking the front wheel brake fluid level (IMP 148).
- Checking the rear wheel brake fluid level (IMP 149).

STARTING

Starting engine

- Switch on the ignition.
- » Pre-Ride-Check is carried out.
 (IIII) 121)
- »ABS self-diagnosis is performed. (→ 122)
- Apply the brake.

Vehicle cannot be started with side stand extended. If side stand is extended with engine running, engine stops.



- Press starter button 1.
- » Engine starts.

Pre-Ride-Check

After the ignition is switched on, the instrument cluster performs a test of the instrument dials and the warning and indicator lights – the "Pre-Ride-Check". Starting the engine before the test routine is completed will cancel the remainder of the routine.

Phase 1

The needle of the speedometer is moved to the end stop. The warning and indicator lights are switched on.

Phase 2

The needle of the speedometer is returned to the original position. The lit warning and indicator lights are switched off.

If the needle fails to move or if one of the warning and indicator lights fails to light up:

Defective warning lights

Lack of display of malfunctions

- Check the display of all indicator and warning lights.
- Have the malfunction corrected as soon as possible at an authorized service facility, preferably an authorized BMW Motorrad Retailer.

ABS self-diagnosis

The self-diagnosis routine is determining whether BMW Motorrad ABS is ready for operation. The self-diagnosis routine runs automatically when you switch on the ignition. To check the wheel speed sensors, the Scooter must be ridden a few yards.

Phase 1

» Check on system components monitored by diagnostic system while motorcycle is parked.



Phase 2

» Check wheel sensors while starting off.



flashes.

ABS self-diagnosis completed

» The ABS indicator and warning light goes out.

If an ABS error is displayed after the ABS self-diagnosis is completed:

- It remains possible to continue riding. It must be noted that the ABS function is not available.
- Have the malfunction corrected as soon as possible

at an authorized service facility, preferably an authorized BMW Motorrad Retailer.

ASC self-diagnosis

The self-diagnosis routine is determining whether BMW Motorrad ASC is ready for operation. The self-diagnosis routine runs automatically when you switch on the ignition.

Phase 1

» Check on system components monitored by diagnostic system while motorcycle is parked.



flashes slowly.

Phase 2

» Checks diagnosis-capable system components when motorcycle starts to move.



flashes slowly.

ASC self-diagnosis completed

- » The ASC symbol is no longer displayed.
- Watch all warning and indicator lights on the display.

ASC self-diagnosis rou-

The Scooter must reach a specified minimum speed with the engine running before the system can check operation of the wheel speed sensors:

min 3 mph (min 5 km/h)

If an ASC error is displayed after the ASC self-diagnosis is completed:

- It remains possible to continue riding. It must be noted that the ASC function is not available.
- Have the malfunction corrected as soon as possible at an authorized service facility, preferably an authorized BMW Motorrad Retailer.
- » If the ASC intervenes unnecessarily, too often or to early, the troubleshooting chart may be of assistance. (IIII 198)

RIDING

At engine speeds below approx. 1500 rpm, the centrifugal clutch remains open and the Scooter is in idle mode. If the engine speed is increased, the clutch closes and the Scooter begins moving.

In the range from approx. 30 mph (50 km/h) to approx. 75 mph (120 km/h), the engine accelerates, with the throttle valve fully open, with a slightly increasing engine speed in the vicinity of maximum torque. The change in speed is achieved by the CVT. As a result, the engine noise changes only slightly in this speed range.

Speeds above approx. 75 mph (120 km/h) are achieved by increasing the engine speed.

BREAKING IN

Engine

- Before the break-in service, ride with frequently changing load ranges.
- Try to do most of your riding during this initial period on twisting, fairly hilly roads, avoiding highways if possible.
- Observe engine run-in speed.

Engine run-in speed

max 7000 min ⁻¹ (for the first 621 miles (1000 km))

• Have the break-in service performed after 300 – 750 mi (500 – 1200 km).

Brake pads

New brake pads must be run in before they achieve their optimum friction force. This initial reduction in braking efficiency can be compensated for by exerting greater pressure on the brake levers.



WARNING

New brake pads Extension of the braking distance, accident hazard

• Brake early.

Tires

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



WARNING

Loss of adhesion of new tires on wet roads and at extreme angles

Accident hazard

• Always think well ahead and avoid extreme angles.

BRAKES

How do you achieve the shortest stopping distances? The dynamic load distribution between the front and rear wheel changes during braking. The heavier you brake, the greater the weight transfer to the front wheel. Increases in the load on an individual wheel are accompanied by a rise in the effective braking force that the wheel can provide. To achieve the shortest possible braking distance, the front brake must be applied quickly and with progressively greater levels of force. This procedure provides ideal exploitation of the extra weight transfer to the front wheel. With the frequently instructed "forced braking," in which the brake pressure is generated as quickly as possible and with great force, dynamic load distribution lags behind the progressive increases in deceleration rate and the braking force cannot be completely transferred to the road surface. This would cause the front wheel to lock up.

Locking up of the front wheel is prevented by BMW Motorrad ABS.

Descending mountain passes

Braking should be done predominantly using the rear wheel brake when riding on downhill routes

Loss of braking effect, destruction of the brakes due to overheating

• Apply the front and rear wheel brake and use the engine brake.

Wet, soiled brakes

Moisture and dirt on the brake rotors and the brake pads result in a decrease in the braking action.

Delayed or poorer braking action must be expected in the following situations:

- -When driving in the rain and through puddles.
- -After washing the vehicle.
- -When driving on roads spread with salt.
- -After working on the brakes due to oil or grease residues.
- -During riding on dirty roads.



Poorer braking action due to moisture and dirt Accident bazard

- Brake until brakes are dry or clean; clean if necessary.
- Brake early until the full braking action is available again.

PARKING THE SCOOTER

Side stand

Switch off engine.



Poor ground conditions in area of stand

Component damage cause by tipping over

- Always check that the ground under the stand is level and firm.
- Fold out the side stand and park the Scooter.

Loading of the side stand with additional weight

Component damage cause by tipping over

• Do not sit on the motorcycle when it is parked on the side stands.

• If the slope of the road permits, turn the handlebars to the left.

Center stand

Switch off the engine.



Poor ground conditions in area of stand

Component damage cause by tipping over

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



Folding in the center stand in case of strong movements Component damage cause by tipping over

- Do not sit on the vehicle while it is resting on the center stand.
- Fold out the center stand and prop up the Scooter.

REFUELING

-without Keyless Ride OE



Fuel is highly flammable

Fire and explosion hazard

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

Contact of fuel and plastic surfaces

Damage to surfaces (become unattractive or cloudy)

- Immediately clean plastic surfaces after contact with fuel.
- Make sure the ground is level and firm and put the Scooter on its center stand.



- Open the protective cap **1**.
- Unlock the fuel cap by turning the vehicle key **2** clockwise and open it.





Escaping of fuel due to expansion under exposure to heat with overfilled fuel tank Accident hazard

• Do not overfill the fuel tank.

Refueling with leaded fuel

Damage to catalytic converter

- Do not refuel with leaded gasoline or gasoline with metallic additives, e.g. manganese or iron.
- Refuel with a fuel of the specified grade and no higher than the lower edge of the fuel filler neck.

Fuel additives clean the fuel injection system and the combustion area. Fuel additives should be used when refueling with low-quality fuels or during longer periods of downtime. Your authorized BMW Motorrad retailer can provide you with more detailed information.

If refueling is carried out after running on fuel reserve, the resulting filling capacity must be greater than the fuel reserve so that the new fill level is detected and the fuel reserve indicator light is switched off.

Recommended fuel

Regular unleaded (max. 15% ethanol, E15) 87 AKI (91 ROZ/RON) min 87 AKI

Usable fuel quantity

Approx. 3.4 gal (Approx. 12.8 l)

Reserve quantity

Approx. 3.2 quarts (Approx. 3 I)

- Close the fuel cap **2** with firm pressure.
- Remove the vehicle key and close the protective cap.

REFUELING

-with Keyless Ride OE

Requirement

Steering lock is unlocked.



WARNING

Fuel is highly flammable

Fire and explosion hazard

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



WARNING

Escaping of fuel due to expansion under exposure to heat with overfilled fuel tank Accident hazard

• Do not overfill the fuel tank.



Contact of fuel and plastic surfaces

Damage to surfaces (become unattractive or cloudy)

- Immediately clean plastic surfaces after contact with fuel.
- Make sure the ground is level and firm and put the motorcycle on its center stand.
- -with Keyless Ride OE
- Switch off ignition (m 64).

After the ignition is switched off, the fuel filler cap can be opened within the specified run-on time even without the radio-operated key being within the reception area.

After-running period for opening the fuel filler cap

2 min

- » There are 2 ways to open the fuel filler cap:
- -Within the after-run period.
- -After the after-run period is over.

VERSION 1

-with Keyless Ride OE

Requirement

Within the after-running period



- Slowly pull the lug **1** of the gas cap upward.
- » Fuel filler cap unlocked.
- Open fuel filler cap completely.

VERSION 2

-with Keyless Ride OE

Requirement

After run-on time expires

- Bring radio-operated key into reception range.
- Slowly pull the lug **1** upward and let it go again.
- The indicator light for the radio-operated key flashes as long as the radio-operated key is being searched for.
- Slowly pull the lug **1** of the gas cap upward again.
- » Fuel filler cap unlocked.
- Open fuel filler cap completely.



Refuel with a fuel meeting the specifications above, continuing until fuel is no higher than lower edge of filler neck.
 If refueling is carried out after running on fuel reserve, the resulting filling capacity must be greater than the fuel reserve so that the new

fill level is detected and the fuel reserve indicator light is switched off.

The "usable fuel quantity" specified in the technical data is the fuel quantity, which can be refueled if the fuel tank was completely emptied, i.e., if the engine dies off due to lack of fuel.

Usable fuel quantity

Approx. 3.4 gal (Approx. 12.8 l)

Reserve quantity

Approx. 3.2 quarts (Approx. 3 I)

- Pull the lug of the gas cap upward.
- Press the gas cap down firmly.
- » Fuel filler cap audibly engages.
- » Fuel filler cap automatically locks after run-on time expires.
- » The engaged fuel filler cap locks immediately when the steering lock is locked or during starting.

OPEN FUEL FILLER CAP EMERGENCY RELEASE

-with Keyless Ride OE

The fuel filler cap cannot be opened.

• Have the defect rectified as quickly as possible by a specialist workshop, preferably an authorized BMW Motorrad retailer.



- Remove screws 1.
- Remove emergency release **2**.
- » Fuel filler cap unlocked.
- Open fuel filler cap completely.
- Refueling (m 128).
- Close fuel filler cap emergency release (IIIIII).

CLOSE FUEL FILLER CAP EMERGENCY RELEASE

-with Keyless Ride OE

Requirement

Fuel filler cap is closed.



- Position the emergency release **2**.
- Install screws 1.

SECURING THE VEHICLE FOR TRANSPORT

 Protect all components along which tensioning straps are routed. For example, use adhesive tape or soft cloths to protect against scratching.





Lateral tipping of the vehicle

Component damage cause by tipping over

- Secure the vehicle from tipping over laterally, preferably with the support of a second person.
- Push the vehicle onto the transportation surface; do not put it on the side stand or center stand.



Pinching of components Component damage

- Do not pinch components, e.g. brake lines or wiring harnesses.
- Lay tensioning straps on both sides crosswise over the fork bridge at the front and tighten them.
- Take care not to exert any pressure on the brake lines.
- Protect the front wheel cover with soft cloths.



- Lay tensioning straps around the passenger grab handle at the back and tighten them.
- Tighten all tensioning straps evenly; the vehicle should be pulled down with the suspension compressed as much as possible.

TECHNOLOGY IN DETAIL



GENERAL NOTES	136
ANTILOCK BRAKE SYSTEM (ABS)	136
AUTOMATIC STABILITY CONTROL (ASC)	138

136 TECHNOLOGY IN DETAIL

GENERAL NOTES

More information on the topic of technology is available at: **bmw-motorrad.com/technology**

ANTILOCK BRAKE SYSTEM (ABS)

How does ABS work?

The maximum braking force that can be transferred to the road surface is partially dependent on the friction coefficient of the road surface. Gravel, ice, snow and wet roads offer a considerably poorer friction coefficient than a dry, clean asphalt surface. The poorer the friction coefficient of the road surface is, the longer the braking distance will be.

If the maximum transferable brake force is exceeded when the rider increases the brake pressure, the wheels begin to lock and driving stability is lost. A fall can result. Before this situation occurs, ABS intervenes and adjusts the brake pressure to the maximum transferable brake force. This enables the wheels to continue to turn and maintains riding stability regardless of the road condition.

What happens when rough roads are encountered?

Bumpy or rough roads can briefly lead to a loss of contact between the tires and the road surface, until the transferable braking force is reduced to zero. If braking is carried out in this situation. ABS reduces the brake pressure to ensure driving stability when restoring contact to the road. At this point, the BMW Motorrad ABS assumes extremely low friction coefficients (gravel, ice, snow) so that the running wheels turn in every imaginable case and the driving stability is ensured. After detecting the actual conditions, the system adjusts the optimum brake pressure.

Lifting off rear wheel

On high-friction road surfaces, the front wheel will not block or will block very late, even if the brakes are applied forcefully. As a result, the ABS control intervenes very late or not at all. In this case, the rear wheel may rise up and cause the Scooter to roll over.

Lifting off of the rear wheel due to heavy braking

Accident hazard

 When braking heavily, bear in mind that the ABS control cannot always be relied on to prevent the rear wheel from lifting off the ground.

What are the design features of the BMW Motorrad ABS?

The BMW Motorrad ABS ensures stability on all surfaces, within the limits set by driving dynamics. The system is not optimized for the special conditions encountered under extreme weather during off-road and race-track use.

Special situations

To detect the tendency of the wheels to lock up, the speeds of the front and rear wheel are compared. If implausible values are detected over a longer period of time, the ABS function is deactivated for safety reasons and an ABS error is indicated. A self-diagnosis routine must be completed before the error will be displayed. Apart from problems on the BMW Motorrad ABS, unusual riding conditions can also cause a fault message to be generated.

Unusual riding conditions

- Rear wheel rotating with the vehicle held stationary by applying the front brake (burnout).
- Rear wheel slipping over a smooth roadway over a longer period, e.g. when decelerating with the braking effect of the engine.

Should a fault code occur due to an unusual driving condition, the ABS function can be reactivated by switching the ignition off and then on again.

How important is regular maintenance?

Brake system not regularly serviced

Accident hazard

 To ensure that the BMW Motorrad ABS is in a properly maintained condition, it is vital that the specified service intervals are kept to.

138 TECHNOLOGY IN DETAIL

Reserves for safety

But remember, the potentially shorter braking distances which the BMW Motorrad 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.

Be careful in curves! When you apply the brakes in curves, the laws of driving dynamics take over and even the BMW Motorrad ABS is unable to counteract their effects.

AUTOMATIC STABILITY CON-TROL (ASC)

How does ASC work?

BMW Motorrad ASC compares the wheel speeds of the front and rear wheels. Differences in the relative rotation speeds allow the system to determine the slip rate, and thus the stability reserves at the rear wheel. The engine management system adapts the engine torque when the slip limit is exceeded.

Special situations

As lean angles increase, acceleration potential is also progressively restricted by the laws of physics. This can result in delayed acceleration when coming out of very tight curves. The system compares the rotation speeds of the front and rear wheels to detect any tendency for the rear wheel to spin or lose traction. If the system registers implausible data for an extended period of time it will deactivate the ASC functionality as safety precaution and a display will alert you to an ASC error. A self-diagnosis routine must be completed before the error will be displayed.

If the front wheel loses contact to the ground during extreme acceleration, the ASC reduces the engine torque until the front wheel touches the ground again.

BMW Motorrad recommends that you respond to this condition by twisting back the throttle grip somewhat to return to stable dynamic operating conditions as quickly as possible.

Never abruptly turn the throttle grip all the way back while on a smooth road surface. The engine's braking torque could cause the rear wheel to lock, resulting in unstable motorcycle conditions. This case cannot be controlled by BMW Motorrad ASC.


GENERAL NOTES	142
STANDARD TOOL KIT	142
FRONT-WHEEL STAND	143
ENGINE OIL	144
BRAKE SYSTEM	146
COOLANT	150
TIRES	151
RIMS AND TIRES	152
WHEELS	153
FUSES	165
LIGHT SOURCES	167
BATTERY	167
TRIM PANEL COMPONENTS	173
DIAGNOSTIC SOCKET	175

GENERAL NOTES

The "Preventive maintenance" chapter describes work for checking and replacing wear parts that can be performed with a minimum of effort. If special tightening torgues are to be taken into account for installation, these are listed. An overview of all required tightening torgues is contained in the chapter "Technical data". Information on additional maintenance and repair procedures is provided in the repair manual for your vehicle on DVD, which you can obtain from your authorized BMW Motorrad retailer

Microencapsulated screws

The microencapsulation is a chemical threadlocker. An adhesive is used to create a solid connection between screw and nut or component. Microencapsulated screws, therefore, are suitable for single use only. After removal, the internal thread must be cleaned to remove adhesive. During installation, a new microencapsulated screw must be used. Therefore, before removal, ensure that you have suitable tools for cleaning the thread and have a replacement screw. If you carry out the work improperly, the locking function of the screw might no longer be guaranteed, which puts you in danger!

Special tools and thorough specialized knowledge are required to carry out some of the work described here. If you are in doubt, consult a specialist workshop, preferably your authorized BMW Motorrad retailer.

STANDARD TOOL KIT



- 1 Hook wrench
 - Adjusting the spring preload on the rear wheel (IMP 115).
- 2 Reversible screwdriver insert Phillips PH1 and Torx T25
 - -Remove body panels.
 - Remove battery cover
 (IIII) 173).

- Open-ended wrench Key range: 14 mm
 Adjusting the mirror arm (mm 114).

FRONT-WHEEL STAND

Attaching the front-wheel stand

Requirement

The basic stand and its accessories are available through your authorized BMW Motorrad retailer.

- Make sure the ground is level and firm and put the Scooter on its center stand.
- Use basic stand with front wheel mount.



• Install the spacer buffers **1** on the left and right in the position shown.



- Loosen the mounting bolt **2** on the left and right.
- Push the mounts **3** on the left and right outward, continuing until the front suspension fits between them.
- Use the retaining pins **4** on the left and right to set the front-wheel stand to the desired height.
- Center the front-wheel stand relative to the front wheel and push it against the front axle.



• Align the mounts **3** on the left and right so that the front suspension rests securely on them.

• Tighten the mounting bolt **2** on the left and right.





Lifting off the center stand if the vehicle is raised too high

Component damage caused by tipping over

- When raising the motorcycle, make sure that the center stand remains in contact with the ground.
- Adjust the height of the front wheel stand as necessary.
- Apply uniform pressure to push the front-wheel stand down and raise the Scooter.
- Ensure that the Scooter is standing securely.

ENGINE OIL

Checking the engine oil level

Misinterpretation of the oil filling quantity, as the oil level is temperature-dependent (the higher the temperature, the higher the oil level)

Engine damage

- Only check the oil level after a longer journey or when the engine is warm.
- After switching off the engine, wait 1 minute before reading the oil level.
- Make sure the ground is level and firm and put the Scooter on its center stand when it is at operating temperature.
- Clean the area around the oil filler opening.





Lateral tipping of the vehicle

Component damage cause by tipping over

- Secure the vehicle from tipping over laterally, preferably with the support of a second person.
- Remove the oil dipstick 1.



• Clean the measuring range **2** of the oil dipstick using a dry cloth.

- Position the oil dipstick on the oil filler opening, but do not screw it in.
- Remove the oil dipstick and read the oil level.



Between **MIN** and **MAX** mark (Engine at operating temperature; only insert the oil dipstick, **do not screw it in**.)

If the oil level is below the **MIN** mark:

• Top up the engine oil to the specified level.

Engine oil, quantity for

max 0.4 quarts (max 0.4 l) (Difference between **MIN** and **MAX**)

If the oil level is above the **MAX** mark:

- Have the oil level corrected at a specialist workshop, preferably an authorized BMW Motorrad retailer.
- Install the oil dipstick and tighten it by hand.

BRAKE SYSTEM

Check brake operation

- Operate right brake lever.
- » Pressure point must be clearly perceptible.
- Operate left brake lever.
- » Pressure point must be clearly perceptible.

If no clear pressure points are perceptible:

 Have the brakes checked at an authorized workshop, preferably an authorized BMW Motorrad retailer.

Checking the front brake pad thickness

• Park the Scooter, making sure the ground is level and firm.



- Conduct a visual inspection of the brake pad thickness. Turn the handlebars to the right.
- Direction of view: from rear, looking at brake pads **1**.
- Turn the handlebars to the left and check the brake pad thickness on the right side in the same manner.



Front brake-pad wear

≥0.04 in (≥1 mm) (Only friction material without carrier plate. The wear markings (grooves) must be clearly visible.) If the wear indicators are no longer clearly visible:

Dropping below the minimum pad thickness

Reduced braking action, damage to the brake

- In order to ensure the operating reliability of the brake system, make sure that the brake pads are not worn beyond their minimum thickness.
- Have brake pads replaced at an authorized service facility, preferably an authorized BMW Motorrad retailer.
- BMW Motorrad recommends only installing original brake pads from BMW Motorrad.

Checking the rear brake pad thickness

• Park the Scooter, ensuring that the ground is level and firm.



• Conduct a visual inspection of the brake pad thickness. Direction of view: from rear, looking at brake pads **1**.



Rear brake-pad wear

min 0.04 in (min 1 mm) (Only friction material without carrier plate. Groove in coating material indicates wear limit.)

If the wear marks have been reached:



Dropping below the minimum pad thickness

Reduced braking action, damage to the brake

- In order to ensure the operating reliability of the brake system, make sure that the brake pads are not worn beyond their minimum thickness.
- Have brake pads replaced at an authorized service facility, preferably an authorized BMW Motorrad retailer.
- BMW Motorrad recommends only installing original brake pads from BMW Motorrad.

Checking the front wheel brake fluid level



Insufficient or contaminated brake fluid in the brake fluid reservoir

Considerably reduced braking power caused by air, dirt or water in the brake system

- Stop riding immediately until fault is rectified.
- Check brake fluid level regularly.
- Make sure that the lid of the brake fluid reservoir is cleaned before opening.
- Make sure that brake fluid is used from a sealed container only.
- Make sure the ground is level and firm and put the Scooter on its center stand.
- Align the handlebars so that the brake fluid reservoir is positioned horizontally.



• Read off the brake fluid level on the sight glass **1** of the right brake fluid reservoir.

The brake fluid level in the brake-fluid reservoir drops due to brake pad wear.



Front brake fluid level

Brake fluid, DOT4

The brake fluid level must not fall below the **MIN** marking. (Brake fluid reservoir horizontal)

If the brake fluid level falls below the approved level:

 Have the defect rectified as quickly as possible by a specialist workshop, preferably an authorized BMW Motorrad retailer.

Checking the rear wheel brake fluid level



Insufficient or contaminated brake fluid in the brake fluid reservoir

Considerably reduced braking power caused by air, dirt or water in the brake system

- Stop riding immediately until fault is rectified.
- Check brake fluid level regularly.
- Make sure that the lid of the brake fluid reservoir is cleaned before opening.
- Make sure that brake fluid is used from a sealed container only.
- Make sure the ground is level and firm and put the Scooter on its center stand.
- Align the handlebars so that the brake fluid reservoir is positioned horizontally.



• Read off the brake fluid level on the sight glass **1** of the left brake fluid reservoir.

The brake fluid level in the brake-fluid reservoir drops due to brake pad wear.



Rear brake fluid level Ĩ

Brake fluid, DOT4

The brake fluid level must not fall below the **MIN** marking. (Brake fluid reservoir horizontal) If the brake fluid level falls below the approved level:

 Have the defect rectified as quickly as possible by a specialist workshop, preferably an authorized BMW Motorrad retailer.

COOLANT

Checking the coolant level

• Make sure the ground is level and firm and put the Scooter on its center stand.



• Direction of view: from the front under the front-fairing panel. Read off the coolant level on the coolant expansion tank **1**.



Target coolant level in ↓ the expansion tank

Between **MIN** and **MAX** mark (when the engine is cold)

If the coolant level drops below the permitted level:

• Top up coolant.

Top up coolant

• Removing fairing side panel (IPP 174).



- Open the cap **1** of the coolant expansion tank and top up coolant to the target level.
- Checking the coolant level (IPP 150).

- Close the cap **1** of the coolant expansion tank.
- Install fairing side panel (m 175).

TIRES

Checking the tire pressure



Incorrect tire inflation pressure.

Scooter driving characteristics impaired. ASC control characteristics impaired and tire service life reduced.

• Ensure proper tyre inflation pressure.

Automatic opening of vertically installed valve inserts at high speeds

Sudden loss of tire inflation pressure

- Use valve caps with rubber sealing ring and screw on firmly.
- Park the Scooter, making sure the ground is level and firm.
- Check tire pressures against data below.

Front tire pressure

31.9 psi (2.2 bar) (One-up, with cold tires)

34.8 psi (2.4 bar) (Two-up mode with load; with cold tires)

Rear tire pressure

34.8 psi (2.4 bar) (One-up, with cold tires)

37.7 psi (2.6 bar) (Two-up mode with load; with cold tires)

If tire pressure is too low: • Correct tire pressure.

RIMS AND TIRES

Checking rims

- Park the Scooter, making sure that the ground is level and firm.
- Subject wheel rims to visual inspection for defects.
- Have damaged rims checked and, if necessary, replaced by a specialist service facility, preferably an authorized BMW Motorrad retailer.

Check tire tread depth



Riding with heavily worn tyres

Risk of accident due to poorer rideability

- If necessary, replace the tyres before the legally specified minimum tread depth is reached.
- Park the Scooter, making sure the ground is level and firm.
- Measure tire tread depth in main tread grooves with wear indicators.

Tread wear marks are integrated into the main grooves on every tire. If the tire tread has worn down to the level of the marks, the tire is completely worn. The locations of the marks are indicated on the edge of the tire, e.g. by the letters TI, TWI or by an arrow.

When the minimum tread depth is reached:

• Replace the worn tires.

WHEELS

Tire recommendation

For every size of tire, BMW Motorrad has tested and approved certain makes as roadworthy. BMW Motorrad cannot evaluate the suitability of other tires, and can therefore take no responsibility for their driving safety.

BMW Motorrad recommends only using the tires tested and approved by BMW Motorrad. Detailed information can be obtained from your authorized BMW Motorrad retailer or online at:

bmw-motorrad.com

Influence of the wheel sizes on the ABS

The wheel sizes play an important role in the ABS system. The diameter and width of the wheels stored in the control unit have particular significance as the basis for all necessary calculations. A change in these sizes resulting from fitting wheels other than those fitted as standard equipment can seriously affect the control efficiency of this system. The sensor rings are essential for correct wheel speed detection; they too must match the vehicle's built-in system and consequently are not permitted to be replaced. If you wish to equip your Scooter with different wheels, please contact a specialist workshop, preferably a BMW Motorrad retailer. In some cases, the data stored in the control unit can be adapted for the new wheel sizes.

Effect of wheel sizes on the ASC

The wheel sizes play an important role in the ASC suspension control system. In particular, the wheel radii are stored in the control unit and used as the basis for all necessary calculations. A change in these sizes resulting from conversion to wheels not installed as standard equipment can seriously affect the control efficiency of these systems.

Faults in the ASC caused by changing tire radii

The ASC intervenes despite good adhesion

• Check the wear and pressure of both tires.

Removing front wheel

• Make sure the ground is level and firm and put the Scooter on its center stand.



- Mask off areas of the wheel rim that could get scratched in the process of removing the brake calipers.
- Release the brake line from the brackets **1**.



Unintentional pressing together of brake pads

Component damage when mounting the brake caliper or when pressing the brake pads apart

- Do not actuate the brakes with the brake caliper removed.
- Remove the screws **2** from the brake calipers on the left and right.



- Push the brake pads **3** apart slightly by turning the brake caliper **4** against the brake disc **5**.
- Carefully pull the brake calipers back and outward to remove them from the brake discs.
- Raise the front of the Scooter, preferably using a BMW Motorrad front-wheel stand, until the front wheel rotates freely.
- Attaching the front-wheel stand (IIII+ 143).



- Remove the screw 1.
- Loosen the clamping bolt 2.



- Loosen the clamping bolt 3.
- Slightly press the quick-release axle **4** inward on the left-hand side for a better grip on the right side.
- Remove the quick-release axle **4** while supporting the wheel.

Improper removal of the front wheel

Damage to the wheel speed sensor

- When rolling out the front wheel, pay attention to the wheel speed sensor.
- Roll the front wheel forward to remove it.

Installing the front wheel

Use of a wheel which does not comply with series specifications

Malfunctions during control interventions by ABS and ASC

 Please see the information on the effect of wheel sizes on the ABS and ASC chassis control systems at the beginning of this chapter.

Tightening of screwed connections with incorrect tightening torque

Damage or loosening of screwed connections

 Always have the tightening torques checked by a specialized workshop, preferably an authorized BMW Motorrad retailer.



• If applicable, insert the spacer bushing **5** on the left side in the wheel hub.



Front wheel installation opposite the running direction Accident hazard

• Observe running direction arrows on tire or rim.



Improper installation of the front wheel

Damage to the wheel speed sensor

- When rolling in the front wheel, pay attention to the wheel speed sensor.
- Roll the front wheel into the front suspension.



• Lubricate the quick-release axle **4**.

Lubricant

Optimoly TA

• Raise the front wheel and install the quick-release axle **4**.



 Install the screw 1 with the specified torque. Brace quickrelease axle on the right side at the same time.

Screw in the quick-release axle, front

24 lb/ft (32 Nm)



• Tighten the clamping bolts **3** and **2** to the specified torque.

Clamping bolts (quickrelease axle) in telescopic forks

- 14 lb/ft (19 Nm)
- Remove the front-wheel stand.



- Place the brake caliper 4 on the brake disc, making sure that the brake disc 5 is located between the brake pads 3.
- Install the brake caliper on the other side in the same way.



- Install the screws 2 on the left and right until the screw head is flush, but do not tighten.
- Actuate the brake several times until the brake pads make contact, fix the brake lever using rubber band.
- Tighten the screws **2** on the left and right with torque.

Brake caliper on fork leg

24 lb/ft (32 Nm)

- Secure the brake line in the brackets **1**.
- Release the brake lever.
- Retighten the screws **2** on the left and right to torque.

Brake caliper on fork leg

24 lb/ft (32 Nm)

• Remove adhesive tape from wheel rim.

Note on removing the rear wheel

Removing the rear wheel requires technical knowledge and special tools. If you are not sure whether this work is within your skill range, please contact a specialist workshop, preferably a BMW Motorrad retailer.

Removing rear wheel



CAUTION

Hot engine or hot exhaust system

Burn hazard

- Let the engine and exhaust system cool before beginning work.
- Make sure the ground is level and firm and put the Scooter on its center stand.
- Mask off areas of the wheel rim that could get scratched.



• Remove the screw 1.

• Lift the trim for the silencer **2**.



• Push back and remove the trim for the silencer **2**.



- Loosen the screw **3** for the circlip **4**.
- Remove the screws **5** with washers.
- Pull the silencer **6** off the exhaust manifold and remove it.



- Use the handlebar lever to apply the rear wheel brake and hold the handlebar lever in place with a rubber band.
- » The rear wheel cannot turn.
- Carefully pry out the lid **1** and remove it.
- Remove the nut **2** and washer **3**.
- Remove the rubber band from the rear wheel brake.



- Remove screws 1.
- Raise the rear wheel cover 2.



- Release the brake hose from the holder **3**.
- Remove the screw **4** and release the holder for the brake hose **5**.
- Press the brake caliper **6** against the brake disc.
- » The brake piston is pushed back.
- Remove screws 7.
- Pull the brake caliper **6** upward off of the brake disc and let it hang to one side.



- Open seat.
- Pull the release lever **1** forward and open the luggage compartment flap **2**.



• Release the nut **1** of the top spring strut screw connection, bracing the screw **2** with an L-shaped wrench.



 Release the rear wheel swinging arm 2, ensuring that the cable 3 for the wheel speed sensor is not damaged.



- Remove screw 3.
- Swivel the spring strut **4** toward the rear.



• Remove screws 1.



- Route the cable **3** for the wheel speed sensor and the brake hose **4** between the oil filler neck **5** and rear wheel cover **6**.
- » The cable **3** must not be under tension.
- Set down the rear wheel swinging arm **2**.



- Remove the spacer bushing **1**.
- Pull the rear wheel **2** off of the output shaft and remove it.

Installing rear wheel

Tightening of screwed connections with incorrect tightening torque Damage or loosening of

screwed connections

 Always have the tightening torques checked by a specialized workshop, preferably an authorized BMW Motorrad retailer.



- Clean the output shaft.
- Lubricate the gearing of the output shaft.

Lubricant

MP 3 paste

- » Do not apply lubricant to the thread of the output shaft.
- Slide the rear wheel **2** onto the output shaft and allow the gearing to engage by rotating the wheel.
- Install the spacer bushing 1.



 Reposition the rear wheel swinging arm 2 with the cable 3 for the wheel speed sensor and the brake hose 4.



 Position the rear wheel swinging arm 2, ensuring that the cable 3 for the wheel speed sensor is properly routed.



• Install the screws **1** and tighten to the appropriate torgue.

Swinging arm on the right on the drivetrain swinging arm

28 lb/ft (38 Nm)



- Pivot the spring strut **4** forward and position it.
- Install the screw **3** and tighten to the appropriate torque.

Spring strut on the swinging arm

28 lb/ft (38 Nm)



• Brace the screw **2** with an L-shaped wrench and tighten the nut **1** to the appropriate torque.

Spring strut on frame

28 lb/ft (38 Nm)

- Close the luggage compartment flap.
- Close the seat.



- Clean the thread.
- Put the brake caliper **6** on the brake disc, making sure that the brake disc **8** is installed between the brake pads **9**.



• Position the brake caliper **6**, install **new** screws **7** and tighten them to the specified torque.

Rear brake caliper on rear wheel swinging arm

Thread-locking compound: micro-encapsulated

- 24 lb/ft (32 Nm)
- Position the holder for the brake hose 5, install the screw 4 and tighten to the appropriate torque.



6 lb/ft (8 Nm)

• Fasten the brake hose to the holder **3**.



- Position the rear wheel cover **2**.
- Install screws 1.
 - Rear wheel cover on the drivetrain swinging arm

6 lb/ft (8 Nm)



- Use the handlebar lever to apply the rear wheel brake and hold the handlebar lever in place with a rubber band.
- » The rear wheel cannot turn.
- Install the washer 3.
- Install the **new** nut **2** and tighten it to the specified torque.

Rear wheel to output shaft

Thread-locking compound: mechanical

85 lb/ft (115 Nm)

- Install the lid 1.
- Remove the rubber band from the rear wheel brake.



- Check the seal in the silencer **6**; if necessary, renew it.
- Position and install the silencer **6** on the exhaust manifold.
- Insert screws **5** with washers and tighten them to the specified torque.
 - Silencer on swinging arm
 - 15 lb/ft (21 Nm)
- Tighten the screw **3** for the circlip **4** to the specified torque.
 - End muffler on exhaust manifold
 - 18 lb/ft (25 Nm)



• Position the connector **7**, as required.



• Hook the trim for the silencer **2** onto the brackets.



- Position the trim for the silencer **2**.
- Install screw 1.
- Remove adhesive tape from wheel rim.

FUSES

Removing the fuse Requirement

The fuses are located under the battery compartment cover by the leg shield.



Bypassing defective fuses

Risk of short circuit and fire

- Do not bypass defective fuses.
- Replace defective fuses with new fuses.
- Turn off ignition.
- Remove battery cover (IIII) 173).



• To remove the main fuse, pull fuse **1** out of the fuse holder.



• To remove the fuses of slots 2 to 7, press the locks 2 and remove the lid 3 from the fuse box.



• Pull the affected fuse out of the fuse box.

Installing fuse



• Replace the faulty fuses in the fuse box with a fuse with the required current level.

An overview of the fuse assignment and the required amperages is provided in the chapter "Technical Data". The numbers in the graphic match the fuse numbers.

If the fuses blow frequently, have the electrical system checked by an authorized specialized workshop, preferably an authorized BMW Motorrad retailer.



• Install the lid **3**. » The locks **2** engage audibly.



• Replace the faulty main fuse **1** with a fuse with the required current level.

Main fuse

30 A (Voltage regulator) • Installing battery cover

(🗰 174).

LIGHT SOURCES LED light source

Overlooking the vehicle in traffic due to a defective light source on the vehicle Safety risk

 Replace defective light sources as quickly as possible. For details please contact a specialist service facility, preferably an authorized BMW Motorrad Retailer.

All light sources on the vehicle are LED light sources. The service life of the LED light sources is longer than the assumed service life of the vehicle. If an LED light source is faulty, please contact a specialist workshop, preferably an authorized BMW Motorrad retailer.

BATTERY

Maintenance instructions

Proper care, charging and storage extend the battery's service life and are required for any warranty claims.

Compliance with the points below is important in order to maximize battery service life:

- -Keep the surface of the battery clean and dry.
- -Be sure to read and comply with the instructions for charging the battery on the following pages.
- -Do not turn the battery upside down.

Discharging of the connected battery by the vehicle electronics (e.g. clock)

Total discharge of battery leading to a rejection of warranty claims

 During riding breaks of more than 4 weeks, connect a trickle-charger to the battery.

Jump-starting



Excessively high current during jump-starting of the Scooter

Cable fire or damage to the vehicle electronics

 Do not jump-start the Scooter using the power socket; only use the battery terminals.

Contact between crocodile clips of jump leads and motorcycle

Danger of short circuit

• Use jump leads fitted with fully insulated crocodile clips at both ends.

Jump-starting with a voltage higher than 12 V Damage to the motorcycle's

Damage to the motorcycle's electronics

- The battery of the donor motorcycle must have a voltage of 12 V.
- Make sure the ground is level and firm and park the Scooter.

- Remove battery cover (IIII+ 173).
- Removing the battery carrier (IIII+ 171).
- Do not disconnect the battery from the electrical system for external starting.
- Use the red jumper cable to connect the jump-start terminal of the drained battery to the positive terminal of the donor battery.
- Clamp the black jumper cable first to the donor battery's negative terminal and then to the drained battery's negative terminal.
- Let the engine of the donor vehicle run during jump-starting.

To start the engine, do not use start sprays or similar items.

- Start the engine of the vehicle with the drained battery in the usual way; if the engine does not start, wait a few minutes before repeating the attempt to protect the starter motor and the donor battery.
- Allow both engines to idle for a few minutes before disconnecting the jumper cables.
- Disconnect the jumper cables first from negative terminal

and then from the positive terminal.

- Installing the battery carrier (m 173).
- Installing battery cover (IIII) 174).

Charging a connected battery

Charging the battery connected to the vehicle using the battery terminals

Damage to the motorcycle's electronics

• Disconnect the battery before charging on the battery terminals.

A fully discharged battery must be charged via a power socket or extra socket.

Damage to vehicle electronics

 A fully discharged battery (battery voltage less than 12 V, indicator lights and multifunction display remain off when ignition is switched on) must always be charged directly at the poles of the **disconnected** battery.

 Only charge the connected battery via the power socket in the right storage compartment.



Commercially available chargers connected to the onboard socket.

Damage to charger and chassis electronics

- Only uses chargers that have been approved by BMW Motorrad.
- Comply with operating instructions of charger.

Charging a disconnected battery

- Remove battery cover (IIII+ 173).
- Removing the battery carrier (IPP 171).





Incorrect battery disconnection

Danger of short circuit

- Follow the disconnection sequence.
- First disconnect the negative battery cable **1**.
- Then disconnect the positive battery cable **2**.
- Charge battery using a suitable charger.
- Comply with operating instructions of charger.
- Once battery is fully charged, disconnect charger's terminal clips from battery terminals.

In the case of longer periods when the motorcycle is not being used, the battery must be recharged regularly. See the instructions for caring for your battery. Always fully recharge the battery before returning it to use.





Incorrect battery connection Danger of short circuit

- Follow the installation sequence.
- First connect the positive battery cable **2**.
- Then connect the negative battery cable **1**.
- Installing the battery carrier (*** 173).
- Installing battery cover (IIII) 174).

Removing the battery carrier



• Push in the locks 1.

- Release the data link connector **2** from the holder **3** and let it hang to one side.
- -without Keyless Ride OE



- Press the locks **1** on the left and right and fold the battery carrier **2** upward.
- Unhook the battery carrier **2** from the battery compartment at the back and remove it.⊲

-with Keyless Ride OE



- Press the locks **1** on the left and right and fold the battery carrier **2** upward.
- Unhook the battery carrier **1** from the battery compartment at the back, pull it out with

the low-frequency antenna $\ {\bf 3}$ and set it aside. \lhd

Removing battery

- Turn off ignition.
- Switch off anti-theft alarm system if necessary.
- Remove battery cover (IIII+ 173).
- Removing the battery carrier (IP 171).





Incorrect battery disconnection

Danger of short circuit

- Follow the disconnection sequence.
- First remove negative battery cable **1**.
- Then remove positive battery cable **2**.
- Take the battery **3** out of the battery compartment.

Install battery



• Place the battery **3** into the battery compartment with the positive terminal on the left side.

Incorrect battery connection Danger of short circuit

- Follow the installation sequence.
- First install the positive battery cable **2**.
- Then install the negative battery cable **1**.
- Installing the battery carrier (IMP 173).
- Installing battery cover (IIII) 174).
- Setting the clock (IIII+ 73).
- Setting the date (IIII 73).

Installing the battery carrier -without Keyless Ride ^{OE}



- Position the battery carrier **2** and hook it into the battery compartment at the back.
- Fold the battery carrier 2 downward while pressing the locks 1 and letting it engage.⊲
- -with Keyless Ride OE



- Position the battery carrier 2 with the low-frequency antenna 3 and hook it into the battery compartment at the back.
- Fold the battery carrier **2** downward while pressing

the locks **1** and letting it engage. \triangleleft



• Plug the data link connector **2** into the bracket **3**. » The locks **1** engage.

TRIM PANEL COMPONENTS Remove battery cover



• Remove screws 1.



- Lift the battery cover **2** slightly at the edges.
- Pull the mounting clips **3** of the battery cover **2** out of the holders.

Installing battery cover



- Check whether all mounting clips **3** are mounted on the battery cover **2**.
- Attach the battery cover 2 at the bottom and push the mounting clips 3 evenly into the mounts.



• Install screws 1.

Removing fairing side panel



• Remove the screws **1** for the fairing side panel.

The operation described here for the left fairing side panel applies analogously to the right side.


- Lift the fairing side panel **2** slightly at the edges.
- Pull the mounting clips **3** of the fairing side panel **2** as evenly as possible out of the mounts.

Install fairing side panel



- Check whether all mounting clips **3** are installed on the fairing side panel **2**.
- Position the fairing side panel 2 and push the mounting clips 3 evenly into the mounts.

The operation described here for the left fairing side panel applies analogously to the right side.



• Install the screws **1** for the fairing side panel.

DIAGNOSTIC SOCKET Removing the diagnostic connector

Requirement

The data link connector is located under the battery compartment cover by the leg shield.

 Remove battery cover (m 173).



- Push in the locks 1.
- Release the data link connector **2** from the bracket **3**.
- » The diagnosis and information system interface can be con-

176 MAINTENANCE

nected to the data link connector **2**.

Installing the data link connector

• Disconnect the diagnosis and information system interface.



- Plug the data link connector **2** into the bracket **3**.
- » The locks 1 engage.
- Installing battery cover (m 174).

ACCESSORIES



GENERAL NOTES	180
POWER SOCKET	180
USB CHARGING SOCKET	181
TOPCASE	182
NAVIGATION SYSTEM	184

180 ACCESSORIES

GENERAL NOTES



Use of products from other manufacturers

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 motorcycles without constituting a safety hazard. Nor is this guarantee provided when the official approval of a specific country has been aranted. Tests conducted by these instances cannot make provision for all operating conditions experienced by BMW motorcycles and, consequently, they are not sufficient in some circumstances.
- Use only parts and accessories approved by BMW for your motorcycle.

The safety, operation and suitability of the parts and accessory products of BMW have been checked extensively. Therefore, BMW assumes responsibility for these products. BMW shall not be held liable for unapproved parts and accessory products of any kind.

Comply with the legal requirements for any modifications. Consult the road traffic licensing regulations of your country. Your authorized BMW Motorrad retailer offers you qualified advice for choosing genuine BMW parts, accessories and other products. More information on the topic of accessories is available at: **bmw-motorrad.com/equipment**

POWER SOCKET

Notes on use of power socket:

Connecting electrical devices

-The ignition must be switched on before electrical devices connected to the power socket can be operated.

Cable routing

Observe the following when routing the cable from the power socket to additional devices:

- -Cables must not hinder the rider's movement.
- -Cables must not restrict the steering angle and driving characteristics.
- -Cables must not become trapped.

Automatic deactivation

- -The onboard socket is automatically switched off during starting.
- These sockets are switched off approx. 15 minutes after switching off the ignition to reduce the strain on the onboard electrical system.
 Additional devices with low power consumption are possibly not detected by the vehicle electronics. In these cases, onboard sockets are already switched off shortly after the ignition is switched off.
- In case of insufficient battery voltage, the onboard socket is switched off to maintain the starting capability of the vehicle.
- -If the maximum loadability specified in the technical data is exceeded, the onboard socket is switched off.

USB CHARGING SOCKET

Notes about use:

Charge current

This is a 5 V USB charging socket providing a maximum charge current of 2.4 A.

Automatic shutoff

The USB charging sockets are automatically switched off under the following conditions:

- If the battery voltage is too low to retain the starting capability of the vehicle.
- -If the maximum load capacity specified in the technical data is exceeded.
- -During the starting procedure.

Connecting electrical devices

The ignition must be switched on before electrical devices connected to USB charging sockets can be operated. To reduce loads on the electrical system, these are switched off no more than 15 minutes after the ignition has been switched off.

To protect the connected device, the device should be unplugged when riding in rain. When no device is connected, the cover should be closed to prevent soiling.

Cable routing

Observe the following when routing cables from USB charging sockets to additional devices:

182 ACCESSORIES

- -Cables must not impede the rider.
- -Cables must not restrict the steering angle and handling characteristics.
- Cables must not become trapped.

TOPCASE

-with topcase Light OA

Opening the topcase



• Turn the key in the topcase lock **1** to the **OPEN** position.



- Press the topcase lock forward.
- » The topcase handle **2** pops up.



- Pull the release lever behind the cover **3** toward the back.
- » Topcase lid opens.
- Open the topcase lid.

Closing the topcase



- Be sure that the topcase handle **2** is folded out.
- Close the topcase lid and push it into locking device.
 Ensure that nothing gets trapped between the lid and case.
- Close the topcase handle 2.
- If necessary, turn the key in the topcase lock to the CLOSE position and remove it.

Removing the topcase



• Turn the key in the topcase lock **1** to the **OPEN** position.



- Press the topcase lock forward.
- » The topcase handle **2** pops up.



- Turn the key in the topcase lock to the **RELEASE** position.
- Pull the release lever **4** back while lifting the topcase by the carrying handle.
- Remove the topcase from the topcase carrier toward the rear.

Installing the topcase



- Make sure that the topcase handle **2** is folded out and that the key in the topcase lock is in the **RELEASE** position.
- Insert the topcase into the topcase carrier in the front.

184 ACCESSORIES

- Pull the release lever **4** toward the back while inserting the topcase in the topcase carrier from the back.
- Close the topcase handle 2.
- If necessary, turn the key in the topcase lock to the CLOSE position and remove it.

Maximum payload and maximum speed

Observe maximum payload and maximum speed.

The following values apply to the combination described here:

Maximum speed when riding with a loaded topcase

max 81 mph (max 130 km/h)

Payload of Topcase

max 11 lbs (max 5 kg)

NAVIGATION SYSTEM

Install navigation device

-with navigation system OA



• Place the navigation device **1** in the mount **2**.



- Pivot the navigation device **1** forward and press the upper edge into the detent **3**.
- » The navigation device engages.
- Check that the navigation device is secure in the cradle.
- » The red mark for unlocking is not visible.

Remove navigation device

-with navigation system OA



- Press the release 2.
- » The red mark **3** identifies the release.
- Remove the navigation device **1**.

Operating the navigation system.

The following description refers to the BMW Motorrad Navigator V and the BMW Motorrad Navigator VI. The BMW Motorrad Navigator IV does not offer all options described.

Only the latest version of the BMW Motorrad communication system is supported. A software update may be required for the BMW Motorrad communication system. In this case, please contact your authorized BMW Motorrad retailer. If the BMW Motorrad Navigator is installed and the operating focus is switched to the Navigator (******* 89), several of its functions can be operated directly from the handlebars.



The navigation system can be operated using the Multi-Controller **1** and the rocker button MENU **2**.

Turn Multi-Controller 1 up and down

In the compass and Mediaplayer page: increase or decrease the volume of Bluetooth-connected BMW Motorrad communication system.

In the BMW special menu: select menu items.

Briefly tilt Multi-Controller 1 to the left and right

Switch between the main pages of the Navigator:

ACCESSORIES 186

- -Map view
- -Compass
- -Mediaplaver
- -BMW special menu
- -Mv motorcycle page

Long tilt the Multi-Controller 1 to the left and riaht

Activate specific functions on the Navigator display. These functions are indicated with an arrow to the right or the left above the corresponding touch field.

The function is triggered by long actuation to the right.

The function is triggered by long actuation to the left

Press rocker button MENU 2 down

Change the operating focus to the Pure view.

In detail, the following functions can be operated:

Map view

- -Turning upward: increase size of map section (Zoom in).
- -Turn downward: reduce size of map section (Zoom out).

Compass page

-Turning increases or reduces volume of a BMW Motorrad communication system connected via Bluetooth.

BMW special menu

- -Speak: Repeat last navigation announcement.
- -Way point: Save current way point as favorite.
- -Navigate home: Starts navigation to the home address (is grayed-out if no home address is set).
- -Mute: Switch automatic navigation announcements (off: the top line in the display shows a crossed-out lip icon). Navigation announcements can still be output via "Speak". All other sound outputs remain switched on.
- -Switching off display: Switch off display.
- -Call home: Calls the phone number stored in the navigator (only displayed when a phone is connected).
- -Detour: Activates the detour function (only displayed if a route is active).
- -Skip: Skips the next way point (only displayed if route is provided with way points).

My Motorcycle

- -Turn: changes the amount of data displayed.
- -By tapping on a data field on the display, a menu opens where data can be selected.
- -The values available for selection are dependent on the optional extras installed.

The Mediaplayer function is only available when using a Bluetooth device as per A2DP standard, e.g., a BMW Motorrad communication system.

Mediaplayer

- -Long actuation to left: play previous title.
- -Long actuation to right: play next title.
- -Turning increases or reduces volume of a BMW Motorrad communication system connected via Bluetooth.





CARE PRODUCTS	190
WASHING YOUR MOTORCYCLE	190
CLEANING SENSITIVE VEHICLE PARTS	191
PAINT CARE	192
PROTECTIVE WAX COATING	192
STORING THE SCOOTER	192
PUTTING THE SCOOTER INTO OPERATION	193

CARE 190

CARE PRODUCTS

BMW Motorrad recommends that you use cleaning and care products available at your authorized BMW Motorrad retailer, BMW Care Products have been material-tested. labtested, and field-tested and provide optimum care and protection for the materials used in vour vehicle.



ATTENTION

Use of unsuitable cleaning and care agents

Damage to motorcycle parts

 Do not use any solvents such as nitro thinners, cold cleaners, fuel or similar, and do not use cleaning agents that contain alcohol.

WASHING YOUR MOTORCY-CLE

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 motorcycle.

To prevent stains, do not wash the motorcycle immediately after it has been exposed to bright sunlight and do not wash it in the sun.

Make sure that the motorcycle is washed frequently, especially during the winter months. To remove road salt, clean the Scooter with cold water immediately after completion of every trip.



WARNING

Damp brake disks and brake pads after washing the motorcycle, after riding through water or in the rain Poorer braking action, accident hazard

 Brake early until the brake rotors and brake pads are dry.

ATTENTION

Increased effect of salt caused by warm water Corrosion

 Only use cold water to remove road salt.

Damage caused by high water pressure from high-pressure cleaners or steam-jet devices

Corrosion or short circuit, damage to labels, to seals, to hydraulic brake system, to the electrical system and the seat

• Exercise caution when using high-pressure or steam-jet devices.

CLEANING SENSITIVE VEHI-CLE PARTS

Plastics

Use of unsuitable cleaning agents

Damage to plastic surfaces

- Do not use abrasive cleaners or cleaners containing alcohol or solvents.
- Do not use insect sponges or sponges with a hard surface.

Fairings and panels

Clean trim panel components with water and BMW Motorrad solvent cleaner.

Windshields and headlight diffuser made of plastic

Clean off dirt and insects with a soft sponge and plenty of water.

Soften stubborn dirt and dead insects by covering the affected areas with a wet cloth.

TFT display

Clean the TFT display with warm water and detergent. Then dry with a clean cloth, e.g. a paper towel.

Chrome

Carefully clean chrome parts with plenty of water and BMW Motorrad Care Products motorcycle cleaner. This is particularly important in the case of road salt.

Use BMW Motorrad metal polish for additional treatment.

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.

192 CARE



ATTENTION

Bending of radiator fins

Damage to radiator fins

• When cleaning, ensure that the cooler fins are not bent.

Rubber

Treat rubber components with water or BMW rubber protection coating agent.



ATTENTION

Use of silicone sprays for care of rubber seals

Damage to rubber seals

• Do not use silicone sprays or care products that contain silicone.

PAINT CARE

Washing the motorcycle regularly will help counteract the long-term effects of substances that damage the paint, especially if your motorcycle is ridden in areas with high air pollution or natural sources of dirt, such as tree resin or pollen. However, remove particularly aggressive materials immediately; otherwise changes in the paint or discoloration can occur. These include spilled fuel, oil, grease and brake fluid as well as bird droppings. BMW Motorrad recommends using a solvent cleaner and then applying a BMW Motorrad high gloss polish to preserve the paint.

Contamination on the paint finish is particularly easy to see after the motorcycle has been washed. Remove this type of soiling with cleaning naphtha or spirit on a clean cloth or cotton ball. BMW Motorrad recommends removing tar stains with BMW tar remover. Then add a protective wax coating to the paint at these locations.

PROTECTIVE WAX COATING

Apply a preservative when water fails to bead up on the painted surface. BMW Motorrad recommends BMW Motorrad high gloss polish or agents that contain carnauba or synthetic wax to protect the paint finish.

STORING THE SCOOTER

- Clean the Scooter.
- Completely fill the Scooter's fuel tank and add fuel additive where appropriate. BMW Motorrad recommends the use of ADVANTEC Protect Origi-

nal BMW Fuel Additive to protect the fuel from aging.

- Removing battery (IIII 172).
- Spray the brake lever and the bearings of the center stand and side stand with suitable lubricant.
- Preserve bare metal and chrome-plated parts with an acid-free grease (Vaseline).
- Park Scooter in a dry room, raising it to relieve the weight from both wheels.

PUTTING THE SCOOTER INTO OPERATION

- Remove the protective wax coating.
- Clean the scooter.
- Install battery (m 172).
- Checklist (IIII).



TROUBLESHOOTING CHART	196
SCREW CONNECTIONS	199
FUEL	201
ENGINE OIL	201
ENGINE	202
CLUTCH	202
TRANSMISSION	202
REAR-WHEEL DRIVE	202
FRAME	203
CHASSIS	203
BRAKES	203
WHEELS AND TIRES	204
ELECTRICAL SYSTEM	205
ANTI-THEFT ALARM SYSTEM	206
KEYLESS RIDE	206
DIMENSIONS	207
WEIGHTS	207
PERFORMANCE DATA	208

TROUBLESHOOTING CHART

Engine does not start at all or is very difficult to start.

Possible cause	Remedy
Side stand folded out	Fold in side stand.
Start without applying brake	Start with brake applied.
BMW flexcase open	Close the BMW flexcase.
No fuel in tank	Refuel.
Battery drained	Charging the battery (🖛 170).

Bluetooth connection is not established.

Possible cause	Remedy
Necessary steps for Bluetooth pairing were not performed.	Refer to the operating instructions of the communica- tion system for the necessary steps for Bluetooth pairing.
The communication system is not connected automatically despite successful Bluetooth pairing.	Switch off the communication system of the helmet and con- nect again after one to two minutes.
Too many Bluetooth devices are stored in the helmet.	Delete all Bluetooth pairing entries in the helmet (see the operating instructions of the communication system).
There are additional vehicles with Bluetooth-capable devices nearby.	Avoid simultaneously perform- ing Bluetooth pairing on multi- ple vehicles.

Bluetooth connection is disrupted.

Possible cause	Remedy
Bluetooth connection to the mobile end device is inter- rupted.	Switch off energy saving mode.
Bluetooth connection to the helmet is interrupted.	Switch off the communication system of the helmet and con- nect again after one to two minutes.
Volume in the helmet cannot be adjusted.	Switch off the communication system of the helmet and con- nect again after one to two minutes.

Phone book is not displayed in the TFT display.

Possible cause	Remedy
Phone book was has not yet	During Bluetooth pairing to the
been transferred to the vehicle.	mobile terminal, confirm the
	transfer of the telephone data
	(🗯 102).

Active route guidance is not displayed in the TFT display.

Possible cause	Remedy
Navigation from the	Call up the BMW Motorrad
BMW Motorrad Con-	Connected App on the con-
nected App was not	nected mobile end device be-
transferred.	fore riding.
Route guidance cannot be started.	Ensure that there is a data connection to the mobile end device and check the map data on the mobile end device.

ASC intervenes unnecessarily, too often or too early.

Possible cause	Remedy
Insufficient tire pressure in front and rear; tire pressure or payload changed	Checking the tire pressure (IIII 151).
No propulsion on very loose surfaces (e.g. sand or snow)	Switch off ASC to overcome extremely poor road surfaces (IIII) ??).

SCREW CONNECTIONS		
Brakes	Value	Valid
Brake caliper on fork leg		
M8 x 50 - 10.9	24 lb/ft (32 Nm)	
Rear brake caliper on rear wheel swinging arm		
M8 x 30 - 10.9, Re- place bolt micro-encapsulated	24 lb/ft (32 Nm)	
Brake hose holder on swinging arm		
M6 x 12	6 lb/ft (8 Nm)	

Front wheel	Value	Valid
Screw in the quick-		
release axle, front		
M12 x 20	24 lb/ft (32 Nm)	
Clamping bolts (quick-release axle) in telescopic forks		
M8 x 30	14 lb/ft (19 Nm)	

Rear wheel	Value	Valid
Rear wheel to output shaft		
M16, Replace nut mechanical	85 lb/ft (115 Nm)	
Swinging arm on the right on the drivetrain swinging arm		
M10 x 50	28 lb/ft (38 Nm)	

Rear wheel	Value	Valid
Spring strut on the swinging arm		
M10 x 50	28 lb/ft (38 Nm)	
Spring strut on frame		
M10 x 50	28 lb/ft (38 Nm)	

Exhaust system	Value	Valid
Silencer on swinging		
arm		
M8 x 50	15 lb/ft (21 Nm)	
End muffler on ex-		
haust manifold		
Clamp, M8 x 40	18 lb/ft (25 Nm)	
	•	

FUEL

Recommended fuel quality	Regular unleaded (max. 15% ethanol, E15) 87 AKI (91 ROZ/RON) min 87 AKI
Usable fuel quantity	Approx. 3.4 gal (Approx. 12.8 I)
Reserve quantity	Approx. 3.2 quarts (Approx. 3 I)
Fuel consumption	67 mpg (3.5 l/100 km), in ac- cordance with WMTC
CO2 emissions	81 g/km, in accordance with WMTC
Emission standard	TIER 2, measured in accor- dance with FTP75

ENGINE OIL

Engine oil, capacity	Approx. 1.9 quarts (Approx. 1.8 l), with filter replacement
Specification	SAE 5W-40, API SJ/ JASO MA2, Additives (for instance, molybdenum- based substances) are prohibited, because they would attack the coatings on engine components, BMW Motorrad recommends BMW Motorrad ADVANTEC Ultimate oil.
Engine oil, quantity for topping up	max 0.4 quarts (max 0.4 I), Difference between MIN and MAX

ENGINE

Engine number location	Crankcase, on left next to oil filter
Engine type	A81A03B
Engine design	1-cylinder, 4-cycle
Displacement	350 cc (350 cm ³)
Cylinder bore	3.1 in (80 mm)
Piston stroke	2.7 in (69.6 mm)
Compression ratio	11.5 : 1
Nominal capacity	34 hp (25 kW), at engine speed: 7500 min ⁻¹
Torque	26 lb/ft (35 Nm), at RPM: 5750 min ⁻¹
Maximum engine speed	max 9400 min ⁻¹
Idle speed	1450 ^{±50} min ⁻¹ , Engine at operating temperature

CLUTCH

Clutch design

Centrifugal clutch

TRANSMISSION

Transmission design	CVT (continuously variable
	transmission)

REAR-WHEEL DRIVE

Type of final drive	Spur gears
Gear ratio of rear-wheel drive	8.71

FRAME

Frame design	Steel bridge frame
Location of the vehicle identifi-	Frame at front right on steer-
cation number	ing head
Location of type plate	Frame at right, center, top

CHASSIS

Type of front suspension	Telescopic forks
Spring travel, front	4.3 in (110 mm), On front wheel
Type of rear-wheel guide	Drivetrain swinging arm with screwed-on auxiliary swinging arm
Design of rear-wheel suspension	Two directly linked spring struts with adjustable spring preload
Spring travel on the rear wheel	4.4 in (112 mm), On the rear wheel

BRAKES

Front wheel	
Type of front wheel brake	Two-rotor disk brake, rigid, diameter 265 mm, 4-piston fixed caliper
Front brake pad material	Organic
Front brake disc thickness	0.2 in (5.0 mm), New 0.18 in (4.5 mm), Wear limit

Rear wheel		
Type of rear wheel brake	Single-disc brake, diameter 265 mm, 1-piston floating caliper	
Rear brake pad material	Sintered metal	
Rear brake disc thickness	0.2 in (5.0 mm), New 0.18 in (4.5 mm), Wear limit	
WHEELS AND TIRES		
Recommended tire combina- tions	An overview of the current tire approvals is available from your authorized BMW Motorrad retailer or on the Internet at bmw- motorrad.com.	
Speed category of front/rear tires	S, minimum requirement: 112 mph (180 km/h)	
Front wheel		
Front wheel design	Aluminum cast wheel	
Front-wheel rim size	3.50'' x 15''	
Front tire designation	120/70-15	
Load index for front tire	56	
Permissible front-wheel imbal- ance	max 0.2 oz (max 5 g)	
Rear wheel		
Rear wheel design	Aluminum cast wheel	
Rear-wheel rim size	4.25" x 14"	
Rear tire designation	150/70-14	
Load index for rear tire	66	
Permissible rear-wheel imbal- ance	max 0.2 oz (max 5 g)	

Tire pressure	
Front tire pressure	31.9 psi (2.2 bar), One-up, with cold tires 34.8 psi (2.4 bar), Two-up mode with load; with cold tires
Rear tire pressure	34.8 psi (2.4 bar), One-up, with cold tires 37.7 psi (2.6 bar), Two-up mode with load; with cold tires

ELECTRICAL SYSTEM	
Electrical rating of onboard	max 10 A, All onboard power
sockets	sockets in total
Battery	
Battery design	Absorbent Glass Mat, mainte- nance-free
Battery voltage	12 V
Battery capacity	9 Ah
Spark plugs	
Spark plugs, manufacturer and designation	NGK LMAR8J-9E
Light sources	·
Bulbs for low-beam headlight	LED
Bulb for high-beam headlight	LED
Bulb for parking light	LED
Bulbs for flashing turn indica-	LED
tors	
Bulb for taillight/brake light	LED
Light source for license plate light	LED

Fuses	
Main fuse	30 A, Voltage regulator
Fuse 1	Not in use
Fuse 2	7.5 A, Diagnostic socket, ig- nition lock, Keyless Ride, anti- theft alarm system
Fuse 3	7.5 A, Left multifunction switch, tail lamp, helmet compartment lighting, storage compartment lock, function satellite
Fuse 4	4 A, Brake light switch
Fuse 5	4 A, Fuel pump relay
Fuse 6	7.5 A, Fan relay
Fuse 7	7.5 A, Ignition coil, fuel injec- tion valve, tank vent valve

ANTI-THEFT ALARM SYSTEM

-with anti-theft alarm system (DWA) OE

Activation time	Approx. 30 s
Alarm duration	Approx. 26 s
Activation time between two alarms	Approx. 10 s
Battery type (For control unit)	CR 123 A

KEYLESS RIDE

-with Keyless Ride OE

Range of Keyless Ride radio- operated key	
-with Keyless Ride OE	Approx. 3.3 ft (Approx. 1 m)

Battery type (For Keyless Ride radio-operated key)	
–with Keyless Ride OE	CR 2032

DIMENSIONS

Motorcycle length	87 in (2210 mm), over license-plate carrier
Motorcycle height	min 51.4 in (min 1305 mm), over wind- shield, at DIN unladen weight
Motorcycle width	32.9 in (835 mm), with mir- rors
Front-seat height	30.5 _{-0.5} in (775 ₋₁₃ mm), with- out rider, at DIN unloaded vehicle weight
Rider's inside-leg arc, heel to heel	69.3 _{+0.1} in (1760 ₊₂ mm), with out rider, at DIN unloaded vehicle weight

WEIGHTS

Unloaded vehicle weight	454 lbs (206 kg), DIN un- loaded vehicle weight, ready for road, fuel tank 90% full, without OE
Permissible front wheel load	max 353 lbs (max 160 kg)
Permissible rear wheel load	max 617 lbs (max 280 kg)
Gross vehicle weight	893 lbs (405 kg)
Maximum payload	439 lbs (199 kg)

PERFORMANCE DATA

Maximum speed	86 mph (139 km/h)
–with topcase Light OA	81 mph (130 km/h)

SERVICE


212
213
213
214
214
216
217
234

REPORTING SAFETY DEFECTS

If you think that your motorcycle has a fault which may cause an accident, injury or death, you must inform the NHTSA (National Highway Traffic Safety Administration) immediately and BMW of North America, LLC.

If the NHTSA receives other similar complaints, it may open an investigation. If it finds that a safety defect exists in a group of vehicles, the NHTSA may order the manufacturer to perform a recall and remedy campaign. However, the NHTSA cannot become involved in individual problems between you, your authorized BMW Motorrad retailer, or BMW of North America, LLC, You can contact the NHTSA by calling the Vehicle Safety Hotline on 1-888-327-4236 (Teletypewriter TTY for the hearing impaired: 1-800-424-9153) for free, by visiting the website at http:// www.safercar.gov or by writing to Administrator, NHTSA, 400 Seventh Street, SW., Washington, DC 20590, Further information on vehicle safety is available at http:// www.safercar.gov. Canadian customers who wish to report a safetyrelated defect to Transport Canada. Defect Investigations and Recalls. may call the toll-free hotline 1-800-333-0510. You can also obtain other information about motor vehicle safety from http:// www.tc.gc.ca/ roadsafety.

BMW MOTORRAD SERVICE

With its worldwide retailer network, BMW Motorrad can attend to you and your Scooter in over 100 countries around the globe. The BMW Motorrad retailers have the technical information and expertise needed to conduct reliable maintenance and repairs covering every aspect of your BMW Scooter.

You will find the nearest authorized BMW Motorrad retailer to you at our website:

bmw-motorrad.com

Improperly performed maintenance and repair work

Risk of accident as a result of damage

 BMW Motorrad recommends having corresponding work on your Scooter carried out by a specialist workshop, preferably by an authorized BMW Motorrad retailer. To ensure that your BMW Scooter consistently remains in optimal condition, BMW Motorrad urges you to observe the service intervals recommended for your Scooter.

Have all maintenance and repair work confirmed in the "Service" chapter in this manual. Documentation confirming regular maintenance is essential for generous treatment of claims submitted after the warranty period has expired (goodwill).

You can obtain information on the contents of the BMW Services from your BMW Motorrad retailer.

BMW MOTORRAD SERVICE MANUAL

Entries

Maintenance work that has been performed is recorded in the diagnostics and information system. Like a Service Booklet, these entries provide proof of regular maintenance.

If an entry is made in the vehicle's electronic Service Manual, service-related data is stored on the central IT systems of BMW AG in Munich, Germany.

When there is a change in vehicle owner, the data entered in the electronic Service Manual can also be viewed by the new vehicle owner. A BMW Motorrad retailer or specialist workshop can view the data entered in the electronic Service Manual.

Objection

At the BMW Motorrad retailer or specialist workshop, the vehicle owner can object to the entry of data in the electronic Service Manual with the related storage of data in the vehicle and the transfer of data to the vehicle manufacturer during his time as the vehicle owner. In this case, no entry is made in the vehicle's electronic Service Manual.

BMW MOTORRAD MOBILITY SERVICES

The BMW Motorrad Mobility Services furnish you and your new BMW motorcycle with extra security by offering a wide array of assistance services in the event of a breakdown (BMW Roadside Assistance, breakdown assistance, vehicle recovery and retrieval, etc.). Contact your authorized BMW Motorrad retailer for additional information on available mobility services.

MAINTENANCE PROCEDURES

BMW pre-delivery check

The BMW pre-delivery check is carried out by your authorized BMW Motorrad retailer before it turns the motorcycle over to you.

BMW Running-in Check

The BMW running-in check must be carried out between 300 mls (500 km) and 750 mls (1200 km).

BMW Service

BMW Service is carried out once a year. The scope of the services performed may be dependent on the age of the vehicle and the mileage ridden. Your BMW Motorrad retailer confirms that the service has been performed and enters the date for the next service. For riders with high annual mileage, it may be necessary to come in for service before the entered date. In these cases, a corresponding maximum distance covered will also be entered in the confirmation of service. If this distance covered is reached before the next

service appointment, service must be performed sooner.

The required scope of maintenance work for your motorcycle can be found in the following maintenance schedule:

MAINTENANCE SCHEDULE

	500-1 200 km 300-750 mis	10 000 km 6 000 mls	20 000 km 12 000 mis	30 000 km 18 000 mis	40 000 km 24 000 mis	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
1	x				-								
2		x	x	x	x	x	x	x	x	x	x	Xa	
3		x	x	х	x	x	x	x	х	x	x	Xa	
4		x	x	х	x	x	x	x	х	x	x		
(5)		x	х	х	х	х	х	х	х	х	х		
6		х	х	х	х	х	х	х	х	х	х		
1			х		х		х		х	-	х		
(8)			х		x		х		х		x		
9			х		х		х		х		х		
10			x		x		х		х		х		
11			х		х		х		х		х		
12					x				х				
13												Xb	Xb

- 1 BMW Running-in check (including oil change)
- 2 Standard scope of BMW Service
- 3 Engine oil change with filter
- 4 Clean/check filter for CVT
- 5 Replace the air filter insert
- 6 Checking steering-head bearing
- 7 Replace the CVT belt and roll weights with slide shoes
- 8 Replace all spark plugs
- 9 Check valve clearance Replace fixture for rubber
- 10 mount

Oil change in the tele-

- 11 scopic forks
 - Check clutch (clutch re-
- 12 moved) Change brake fluid in the
- 13 entire system
 - annually or every 6000 mi (10000 km) (whichever comes first)
 at first after one year, then
 - ^b every two years

MAINTENANCE CONFIRMATIONS

BMW Service standard scope

The repair procedures belonging to the BMW Service standard package are listed below. The actual maintenance work applicable for your vehicle may differ.

- -Checking charging state of battery
- -Performing the vehicle test using the BMW Motorrad diagnostic system
- –Visual inspection of the brake lines, brake hoses, and connections
- -Checking the front and rear brake fluid level
- -Checking the front brake pads and brake discs for wear
- -Checking the rear brake pads and brake disc for wear
- -Checking steering-head bearing
- -Checking coolant level
- -Checking the tire pressure and tread depth
- -Checking the lighting and signal system
- -Functional check for engine starting suppression
- -Final inspection and road safety check
- -Setting the service date and remaining distance
- -Confirm the BMW service in the vehicle literature

BMW pre-delivery check performed	BMW Running-in Check performed
on	on Odometer reading
	Next service latest on
	or, if reached earlier Odometer reading
Stamp, signature	Stamp, signature
· -	

BMW Service
performed
on
Odometer reading
Next service
latest
on
or, if reached earlier

	Odometer	reading
--	----------	---------

Work performed		
	Yes	No
BMW Service		
Engine oil change with filter		
Clean front continuously variable transmis-		
sion dust filter		
Replacing air cleaner element		
Checking steering head bearing		
Replace CVT belt		
Replacing all spark plugs		
Checking valve clearance		
Replacing stand for rubber mount		
Oil change - telescopic fork		
Checking clutch		
Changing brake fluid in entire system		

Information

Yes	No
	Yes

Information

BMW	Service
-----	---------

performed

on_____ Odometer reading_____

Next service

latest

on or, if reached earlier

Odometer reading_____

Work	performed
------	-----------

·····	Yes	No
BMW Service		
Engine oil change with filter Clean front continuously variable transmis-		
sion dust filter		
Replacing air cleaner element		
Checking steering head bearing		
Replace CVT belt		
Replacing all spark plugs		
Checking valve clearance		
Replacing stand for rubber mount		
Oil change - telescopic fork		
Checking clutch		
Changing brake fluid in entire system		

Information

BMW Service performed		
on Odometer reading		
Next service latest on		
or, if reached earlier Odometer reading		
Work performed	Yes	No
BMW Service		
Engine oil change with filter Clean front continuously variable transmis- sion dust filter		
Replacing air cleaner element Checking steering head bearing Replace CVT belt Replacing all spark plugs Checking valve clearance Replacing stand for rubber mount Oil change - telescopic fork Checking clutch		

Information

Yes No

1

Engine oil change with filter Clean front continuously variable transmis-	
sion dust filter	
Replacing air cleaner element	
Checking steering head bearing	
Replace CVT belt	
Replacing all spark plugs	
Checking valve clearance	
Replacing stand for rubber mount	
Oil change - telescopic fork	
Checking clutch	
Changing brake fluid in entire system	

Information

BMW Service performed		
on Odometer reading		
Next service latest		
or, if reached earlier Odometer reading		
Work performed	Yes	No
BMW Service		
Engine oil change with filter Clean front continuously variable transmis- sion dust filter		
Replacing air cleaner element Checking steering head bearing Replace CVT belt Replacing all spark plugs		
Checking valve clearance Replacing stand for rubber mount Oil change - telescopic fork Checking clutch		
Changing brake fluid in entire system		

Information

BMW	Service
perfor	med

on_____ Odometer reading_____

Next service latest

on or, if reached earlier

Odometer reading_____

Work	performed
------	-----------

Work performed	Yes	No
BMW Service		
Engine oil change with filter		
Clean front continuously variable transmis-		
sion dust filter		
Replacing air cleaner element		
Checking steering head bearing		
Replace CVT belt		
Replacing all spark plugs		
Checking valve clearance		
Replacing stand for rubber mount		
Oil change - telescopic fork		
Checking clutch		
Changing brake fluid in entire system		

Information

BMW Service performed		
on Odometer reading		
Next service latest on		
or, if reached earlier Odometer reading		
Work performed	Yes	No
Engine oil change with filter Clean front continuously variable transmis-		
Replacing air cleaner element Checking steering head bearing Replace CVT belt Replacing all spark plugs Checking valve clearance Replacing stand for rubber mount Oil change - telescopic fork Checking clutch Chapting brake fluid in entire system		

Information

performed

on_____ Odometer reading_____

Next service

latest

on

or, if reached earlier Odometer reading_____

work periorneu	Work	performed
----------------	------	-----------

·····	Yes	No
BMW Service		
Engine oil change with filter Clean front continuously variable transmis-		
sion dust filter		
Replacing air cleaner element		
Checking steering head bearing		
Replace CVT belt		
Replacing all spark plugs		
Checking valve clearance		
Replacing stand for rubber mount		
Oil change - telescopic fork		
Checking clutch		
Changing brake fluid in entire system		

Information

BMW Service performed		
on Odometer reading		
Next service latest on		
or, if reached earlier Odometer reading		
Work performed	Yes	Nc
BMW Service		
Engine oil change with filter Clean front continuously variable transmis- sion dust filter		
Replacing air cleaner element Checking steering head bearing Replace CVT belt		
Replacing all spark plugs Checking valve clearance Replacing stand for rubber mount		
Oil change - telescopic fork Checking clutch		
Changing brake fluid in entire system		

Information

BMW Service performed
on Odometer reading
<u>Next service</u> latest on
or, if reached earlier Odometer reading

Work performed		
BMW Service	Yes	No
Engine oil change with filter Clean front continuously variable transmis-		
sion dust filter		
Replacing air cleaner element		
Checking steering head bearing		
Replace CVT belt		
Replacing all spark plugs		
Checking valve clearance		
Replacing stand for rubber mount		
Oil change - telescopic fork		
Checking clutch		
Changing brake fluid in entire system		

Information

BMW Service performed		
on Odometer reading		
Next service latest on		
or, if reached earlier Odometer reading		
Work performed	Yes	No
Engine oil change with filter Clean front continuously variable transmis-		
sion dust filter Replacing air cleaner element Checking steering head bearing Replace CVT belt Replacing all spark plugs Checking valve clearance Replacing stand for rubber mount Oil change - telescopic fork Checking clutch Changing brake fluid in entire system		
5 5		

Information

BMW	Service
-----	---------

performed

on_____ Odometer reading_____

Next service

latest

on or, if reached earlier

Odometer reading_____

Work	performed
------	-----------

·····	Yes	No
BMW Service		
Engine oil change with filter Clean front continuously variable transmis-		
sion dust filter		
Replacing air cleaner element		
Checking steering head bearing		
Replace CVT belt		
Replacing all spark plugs		
Checking valve clearance		
Replacing stand for rubber mount		
Oil change - telescopic fork		
Checking clutch		
Changing brake fluid in entire system		

Information

BMW Service performed		
on Odometer reading		
Next service latest		
or, if reached earlier Odometer reading		
Work performed	Yes	No
BMW Service		
Engine oil change with filter Clean front continuously variable transmis- sion dust filter		
Replacing air cleaner element Checking steering head bearing Replace CVT belt Replacing all spark plugs Checking valve clearance Replacing stand for rubber mount		
Checking clutch Changing brake fluid in entire system		

Information

Yes No

1

Engine oil change with filter	
Clean front continuously variable transmis-	
sion dust filter	
Replacing air cleaner element	
Checking steering head bearing	
Replace CVT belt	
Replacing all spark plugs	
Checking valve clearance	
Replacing stand for rubber mount	
Oil change - telescopic fork	
Checking clutch	
Changing brake fluid in entire system	

Information

SERVICE CONFIRMATIONS

The table serves to provide evidence of maintenance and repair work, as well as installed optional accessories and special campaigns performed.

Work performed	Odometer reading	Date

Work performed	Odometer	Date
	reading	

237
239
243
248

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 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.

Certifications

BMW Keyless Ride ID Device



USA, Canada:

Product name: BMW Keyless Ride ID Device FCC ID: YGOHUF5750 IC: 4008C-HUF5750

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

Argentina:



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;
 Datt 1. Common tooking requirements

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 with the CE marking:

CE

Velbert, October 15th, 2013

Benjamin 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 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 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/

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.metasystem.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. EUoverensstemmelseserklæringens fulde tekst kan findes på følgende internetadresse: https://docs.metasystem.it/

Estonia

Käesolevaga deklareerib Meta System S.p.A., et käesolev raadioseadme tüüp TXBMWMR vastab direktiivi 2014/53/EL nõuetele.

ELi 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. EUvaatimustenmukaisuusvakuutukse n 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/EU. 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 I-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 TFT instrument cluster

For all Countries without EU

Technical information

BT operating frq. Range: 2402 - 2480 MHz BT version: 4.2 (no BTLE) BT output power: < 4 dBm WLAN operating frq. Range: 2412 - 2462 MHz WLAN standards: IEEE 802.11 b/g/n WLAN output power: < 20 dBm

Manufacturer and Address

Manufacturer: Robert Bosch Car Multimedia GmbH Adress: Robert Bosch Str. 200, 31139 Hildesheim, GERMANY

Turkey

Robert Bosch Car Multimedia GmbH, ICC6.5in tipi telsiz sisteminin 2014/53/EU nolu yönetmeliğe uygun olduğunu beyan eder. AB Uygunluk Beyanı'nın tam metni, aşağıdaki internet adresinden görülebilir: http://cert.boschcarmultimedia.net

Brazil

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.

Canada

This device complies with Industry Canada's licence-exempt RSSs and part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause interference, and

(2) this device must accept any interference, including interference that may cause undesired operation of the device.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. 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'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Korea

적합성평가에 관한 고시 R-CMM-RBR-ICC65IN 상호 : Robert Bosch Car Multimedia GmbH모델명 : ICC6.5in 기자재명칭 : 특정소출력 무선기 71 (무선데이터통신시스템용 무선기 기) 제조자 및 제조국가 : Robert Bosch Car Multimedia GmbH / 포르투갈 제조년월:제조년월로표기 이 기기는 업무용 환경에서 사용 할 목적으로적합성평가를 받은 기기로서 가정용 환경에 서 사용하는 경우 전파간섭의 우 려가 있습니 다.

Mexico

La operación de este equipo está sujeta a las siguientes dos condiciones:

(1) es posible que este equipo o dispositivo no cause interferencia perjudicial y

(2) este equipo o dispositivo debe aceptar cualquier interferencia, incluyendo la que pueda causar su operación no deseada.

Taiwan, Republic of

根據 NCC 低功率電波輻射性電機 管理辦法 規定: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。 前項合法诵信. 指依雷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。

Thailand

เครื่องโทรคมนาคมและอุปกรณ์ นี้

มีความสอดคล้องตามข้อกำหนดของ กทช.

(This telecommunication equipments is in compliance with NTC requirements)

United States (USA)

This device complies with Industry Canada's licence-exempt RSSs and part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) this device may not cause interference, and

(2) this device must accept any interference, including interference that may cause undesired operation of the device.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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

A

Abbreviations and symbols, 4 ABS Indicator and warning light, 34, 56 Self-diagnosis, 122 Technology in detail, 136 Accessories Additional onboard socket, 169 General notes, 180 Socket, 180 Topcase, 182 Alarm triggering, 109 Alarm function Deactivating, 110 Anti-Lock Brake System ABS, 124 Anti-theft alarm system, 104 Activating, 106 Adjusting, 108 Indicator light, 22, 26, 52 Technical data, 206 Warning indicator, 36 ASC Indicator and warning light, 35, 57 Loss of adaptation values for tire radii, 153 Self-diagnosis, 122 Technology in detail, 138 Automatic Stability Control ASC, 138 Average values Resetting, 71

В

Battery Charging a disconnected battery, 170 Charging connected battery, 169 Indicator light for battery charge current, 36 Indicator light for vehicle voltage, 50, 51 Installing, 172 Installing battery cover, 174 Maintenance instructions, 167 Position on motorcycle, 14 Remove battery cover, 173 Removing, 172 Technical data, 205 Bluetooth, 94 Bluetooth pairing, 94 Bluetooth pairing, 94 BMW flexcase Operating, 80 Brake fluid Checking the front wheel brake fill level, 148 Checking the rear wheel brake fill level, 149 Fluid tank for front wheel brake, 15 Rear wheel brake tank, 14 Brake pads Breaking in, 124 Check rear, 147 Checking the front, 146 Brakes Checking function, 146 Checking operation, 146 Safety information, 124 Safety instructions, 124

Technical data, 203 Break-in, 123

C

Care Care products, 190 Chrome, 191 Fairings and panels, 191 Paint preservation, 192 Plastics, 191 Radiator, 191 Rubber, 192 Washing your motorcycle, 190 Windshield, 191 Chassis Technical data, 203 Check Control Dialog, 43 Display, 43 Checklist, 120 Clock Adjusting, 92 Setting, 73 Clutch Centrifugal clutch, 123 Technical data, 202 Continuously variable transmission CVT CVT, 123 Coolant Checking the fill level, 150 Filling location, 14 Fluid level indicator, 15 Indicator light for excess temperature, 32, 53 Topping up, 151 CVT Riding, 123 Technical data, 202

D

Date Setting, 73 Deactivating Alarm function, 110 motion sensor. 108 Diagnostic socket Installing, 176 Loosen, 175 Dimensions Technical data, 207 Distance recorder Displaying the odometer, 70 Displaying the trip distance recorder, 70 Resetting the trip meter, 71 Drive malfunction warning light, 54

E

Electrical system Technical data, 205 Emergency-off switch Operating, 67 Position on the vehicle, 18 Engine, 33, 54 Drive malfunction warning light, 54 Indicator light for engine control. 55 Overheated, 32 Parking, 67 Severe fault, 33 Starting, 121 Technical data, 202 Warning light for electronic engine management, 32, 55 Engine oil Checking the filling level, 144 Electronic oil-level check, 53

Indicator light for engine oil level, 32, 53 Oil dipstick, 15 Oil fill location, 15 Oil level indicator, 38 Technical data, 201 Topping up, 144 Equipment, 5 EWS Electronic immobilizer, 31 F Factory settings, 111 Fairing Install fairing side panel, 175 Removing fairing side panel, 174 Frame Technical data, 203 Front wheel stand Attaching, 143 Fuel Filling location, 14 Fuel grade, 126 Fuel reserve, 37 Refueling, 126 refueling with Keyless Ride, 128 Technical data, 201 Fuel filler cap emergency release, 130 Fuel reserve Range, 91 Warning indicator, 37, 58 Fuses Position on motorcycle, 14 Replacing, 165 Technical data, 206

н

Hazard warning flasher Operating, 68 Operating element, 17 Headlight Adjusting, 114 Adjustment for right-hand/ left-hand traffic, 114 Headlight range adjustment, 114 Headlight range Adjusting, 114 Heated grips Operating, 76 Operating element, 18 Helmet Stowing, 80 Horn, 17

ļ

Ignition Switching off, 62 Switching on, 62 Immobilizer, 65 EWS indicator light, 31 Indicator lights, 21, 22, 33, 54 ABS, 34, 56 Alarm system, 36 Anti-theft alarm system, 52 ASC, 35, 57 Battery charge current, 36 Coolant temperature, 32, 53 Displays, 28 Drive malfunction warning light, 54 Electronic engine management, 32, 55 Electronic immobilizerEWS, 31

Engine management system, 33, 55 Engine oil level, 32, 53 EWS, 31 Fuel reserve, 37, 58 Layout, 43 Light source defect, 34, 51 My Vehicle, 97 Outside temperature warning, 31, 49 Overview, 26, 40 Vehicle voltage, 50, 51 Instrument cluster Brightness of the backlighting, adjusting, 74 Overview, 21, 22 Photosensor, 22 Units, setting, 75

כ

Jump-starting, 168

Ķ

Keyless Ride EWS Electronic immobilizer, 65 Locking handlebars, 63 Switch off ignition, 64 Switching on ignition, 64 Technical data, 206 The battery of the radiooperated key is dead or the radio-operated key is lost, 65 Unlocking fuel filler cap, 128 Unlocking the fuel cap, 128 Warning indicator, 31, 49, 50 Keys, 62, 63

Light sources Indicator light for light source defect. 34 Technical data, 205 Warning indicator for defective bulb, 51 Lights Adjusting headlights, 114 Lowbeam headlight, operating, 67 Operating, 67 Operating element, 17 Operating headlight flasher, 68 Operating high-beam headlight, 68 Operating parking lights, 68 Parking lights, operating, 67 Luggage Loading information, 118

Μ

Maintenance General notes, 142 Maintenance schedule, 216 Maintenance confirmations, 217 Maintenance intervals, 214 Media Operating, 101 Menu Calling up, 88 Mirrors Adjusting, 114 Mobility Services, 214 Motion sensor Deactivating, 108

Multifunction display Adjusting the display, 74 Operating, 70 Overview, 27 Selecting the display, 70 SETUP, 72 SETUP, exiting, 72 Multifunction switch Overview, left, 17 Overview, right, 18

N

Navigation Operating, 99 Navigation devices Installing, 184 Installing and removing, 184 Removing, 184 Notice concerning current status. 6

õ

Odometer Displaying, 70 Onboard computer On the TFT display, 93 Onboard vehicle toolkit Contents, 142 Position on the vehicle, 16 Operating focus change, 89 **Operating Instructions** Position on the vehicle, 16 Outside temperature Display, 38, 49 Outside temperature warning, 31, 49 Overview of warning indicators, 29, 45

Overviews, 19, 20 Cockpit, 19, 20 Indicator and warning lights, 26, 40 Instrument cluster, 21 Instrument cluster with connectivity, 22 Left side of vehicle, 14 Left-side multifunction switch. 17 Multifunction display, 27 My Vehicle, 97 Right side of vehicle, 15 **Right-hand multifunction** switch, 18 SETUP, 72 TFT display, 41, 42 Underneath the seat, 16

Ρ

Parking light, 68 Performance data Technical data, 208 Phone Operating, 101 Pre-Ride-Check, 121 Pure Overview, 41

R

Rear-wheel drive Technical data, 202 Refueling, 126 Fuel grade, 126 with Keyless Ride, 128 Remote control Replacing the battery, 66 Riding time Resetting, 71 Road sign detection switch on or off, 90

S

Safety information For riding, 118 for the brake, 124 On braking, 124 Scooter Care, 188 Cleaning, 188 Lashing down, 130 Parking, 125 Putting into operation, 193 Storage, 192 Screw connections, 199 Seat Operating, 78 Unlocking, 19, 20 Seat heating For rider's seat, 77 Operating, 77 Operating element, 18 Seat lock Position on motorcycle, 15 Service, 213 Reporting safety defects, 212 Service Manual, 213 Service display, 37, 59 Settings Headlights, 114 Mirrors, 114 Spring preload, 114 SETUP Exiting, 72 Resetting, 76 Selecting, 72 Socket Information on use, 180 Position on the vehicle, 19, 20 Spark plugs Technical Data, 205 Speedometer, 91

Spring preload Adjusting, 114 Adjusting element, 14 Start, 121 Operating element, 18 Status bar, top Adjusting, 90 Setting, 89 Status indicators Selecting, 70 Steering lock Locking, 62 Storage compartment Front, 79, 80 Operating, 79 Position on the vehicle, 19, 20 rear, BMW flexcase, 80 Unlocking, rear, 16 Switching off, 125

Ţ

Tachometer Displaying, 91 Technical data Anti-theft alarm system, 206 Battery, 205 Brakes, 203 Chassis, 203 Clutch, 202 CVT, 202 Dimensions, 207 Electrical system, 205 Engine, 202 Engine oil, 201 Frame, 203 Fuel, 201 General notes, 5 Keyless Ride, 206 Light sources, 205 Performance data, 208

Rear-wheel drive, 202 Screw connections, 199 Spark plugs, 205 Standards, 5 Transmission, 202 Weights, 207 Wheels and tires, 204 TFT display, 22 Operating, 88, 89 Overview, 41, 42 Selecting the display, 85 Tires Breaking in, 124 Checking tire pressure, 151 Checking tire tread depth, 152 Checking tread depth, 152 Recommendation, 153 Technical data, 204 Tire pressure table, 16 Tire pressures, 205 Topcase Operating, 182 Torques, 199 Traction Control ASC, 138 Transmission Technical data, 202 Trip odometer Displaying, 70 Resetting, 71 Troubleshooting chart, 196 Turn signals Operating, 69 Operating element, 17

υ

USB charging interface Position on the vehicle, 19, 20

V

Values Display, 43 Vehicle identification number Position on motorcycle, 15 Vehicle voltage Indicator light, 50, 51

W

Warning lights, 21, 22 Overview, 26, 40 Weights Payload table, 16 Technical data, 207 Wheels Checking rims, 152 Installing rear wheel, 161 Installing the front wheel, 155 Removing front wheel, 154 Removing rear wheel, 158 Size change, 153 Technical data, 204 The descriptions and illustrations in this manual may vary from your own motorcycle's actual equipment, depending upon its equipment level and accessories as well as your specific national-market version. No claims shall 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.

Errors and omissions excepted.

© 2020 Bayerische Motoren Werke Aktiengesellschaft 80788 Munich, Germany Reprinting, in whole or in part, is only permitted with the written permission of BMW Motorrad, Aftersales. Original Rider's Manual, printed in Germany.

Harmful substances

Operating, servicing and maintaining a passenger vehicle or off-road vehicle can expose you to chemicals including engine exhaust, carbon monoxide, phthalates and lead, which are known to the State of California to be carcinogenic or detrimental to childbirth or reproduction.

- To minimize exposure, avoid breathing exhaust, do not idle the engine except as necessary, service your vehicle in a well-ventilated area and wear gloves or wash your hands frequently when servicing your vehicle.
- For more information visit: www.P65Warnings.ca.gov/ passenger-vehicle

Important data for refueling:

Fuel	
Recommended fuel quality	Regular unleaded (max. 15% ethanol, E15) 87 AKI (91 ROZ/RON) min 87 AKI
Usable fuel quantity	Approx. 3.4 gal (Approx. 12.8 l)
Reserve quantity	Approx. 3.2 quarts (Approx. 3 I)
Tire pressure	
Front tire pressure	31.9 psi (2.2 bar), One-up, with cold tires 34.8 psi (2.4 bar), Two-up mode with load; with cold tires
Rear tire pressure	34.8 psi (2.4 bar), One-up, with cold tires 37.7 psi (2.6 bar), Two-up mode with load; with cold tires

You can find further information on all aspects of your vehicle at: bmw-motorrad.com

BMW recommends ADVANTEC

Order No.: 01 40 9 831 227 09-2020, 1st edition, 07



Huomioi seuraavat seikat käyttöohjeen lisäksi.

▲ VAROITUS

Auton avaimessa on nappiparisto. Paristot tai nappiparisto voivat joutua nieluun ja johtaa kahden tunnin sisällä vakaviin tai hengenvaarallisiin vammoihin, esim. sisäisiin palovammoihin tai syöpymävammoihin. Tämä aiheuttaa loukkaantumis- ja hengenvaaran. Säilytä auton avainta ja paristoja lasten ulottumattomissa. Jos epäilet, että paristo tai nappiparisto on nielty tai se on joutunut kehon sisälle, käänny välittömästi lääkärin puoleen.

A HUOMAUTUS

Auton avaimeen asetetut epäsopivat paristot voivat vaurioittaa auton avainta. Tämä aiheuttaa aineellisten vahinkojen vaaran. Vaihda tyhjän pariston tilalle vain jännitearvoltaan, kooltaan ja ominaisuuksiltaan vastaava paristo.

Oltre al libretto Uso e manutenzione, osservare quanto segue.

AVVERTENZA

La chiave della vettura contiene come batteria una batteria a bottone. Le batterie o le batterie a bottone possono essere ingerite ed entro due ore causare lesioni gravi o mortali, ad es. dovute a ustioni o corrosioni interne. Sussiste il pericolo di lesioni o conseguenze letali. Tenere la chiave della vettura e le batterie fuori dalla portata dei bambini. Nel dubbio che una batteria o una batteria a bottone sia stata ingerita o si trovi in una parte del corpo, chiedre immediatamente aiuto medico.

AVVISO

Batterie non adatte nella chiave della vettura possono danneggiare la chiave della vettura stessa. Sussiste il pericolo di danni materiali. Sostituire una batteria scarica soltanto con una batteria con la stessa tensione, la stessa dimensione e la stessa specifica.

Vær også oppmerksom på bruksanvisningen.

ADVARSEL

Batteriet i blinøkkelen er en knappecelle. Batterier eller knappceller kan svelges og forårsake alvorlig personskade eller død innen to timer, f.eks. som følge av indre forbrenninger eller etseskader. Fare for personskader eller livsfrav. Oppbevar blinøklene og batteriene utilgjengelig for barn. Hvis du mistenker at et batteri eller en knappcelle er svelget eller befinner seg i noen del av kroppen, må du ringe lege straks.

▲ MERKNAD

Feil batterier i bilnøkkelen kan skade bilnøkkelen. Det er fare for materielle skader. Bytt ut utladet batteri kun med et batteri med samme spenning, størrelse og spesifikasjon.

Oprócz instrukcji obsługi przestrzegać następujących zaleceń.

▲ OSTRZEŻENIE

W kluczu do pojazdu znajduje się bateria guzikowa. Baterie zwykle i guzikowe mogą zostać polknięte i w przeciagu dwóch godzin doprowadzić do ciężkich lub śmiertelnych obrażeń, np. w wyniku wewnętrznych oparzeń lub poparzeń chemicznych. Istnieje niebezpieczeństwo odniesienia obrażeń oraz zagrożenie dla żyda. Klucz do pojazdu i baterie trzymać poza zasiegiem dziec. W przypadku podejrzenia, że bateria zwykła lub guzikowa została połknięta lub znajduje się w innej części ciała, bezzwłocznie udać się po pomoc medyczną.

▲ WSKAZÓWKA

Nievkašciwa bateria może doprowadzić do uszkodzenia klucza do pojazdu. Istnieje niebezpieczeństwo strat materialnych. Rozladowaną baterie należy wymienić na baterię o takim samym napięciu, o tej samej wielkości i z taką samą specyfikacją.

Naast de handleiding ook het volgende in acht nemen.

▲ WAARSCHUWING

De voertuigsleutel heeft een knoopcel als accu. Accu's of knoopcellen kunnen worden ingeslikt en binnen twee uur tot ernstige of dodelijke letsels leiden, bijv. door verbrandingen. Er bestaat kans op letsel of levensgevaar. Voertuigsleutels en accu's buiten het bereik van kinderen bewaren. Omniddelijk medische hulp inroepen bij een vermoeden dat een accu of knoopcel werd ingeslikt of zich in een lichaamsdeel bevindt.

Ongeschikte accu's in de voertuigsleutel kunnen de voertuigsleutel beschadigen. Er bestaat gevaar voor schade. De ontladen accu alleen door een accu met dezelfde spanning, dezelfde grootte en dezelfde specificaties vervangen. Suplimentar față de manualul de utilizare, respectați următoarele.

▲ AVERTIZARE

Cheia autovehiculului conține o baterie sub forma unui element tip buton. Baterile sau elementele tip buton pot fi înghițite și pot produce vălămări grave sau mortale în interval de două ore, de ex. prin provocarea de arsuri interne sau arsuri caustice. Există periori de vălămare sau chiar period de moarte. Păstrați cheia autovehiculului și bateriile în locuri naccesibile copilor. Dacă aveți suspiciunea că o baterie sau un element tip buton a fost înghițit sau se află într-o parte a corpului, apelați imediat medicul.

▲ INDICAŢIE

Dacă în cheia autovehiculului se află baterii rinadecvate, cheia autovehiculului poate suferi deteriorări. Evistă pericolul daunelor materiale. Înlocuiți bateria descărcată numai cu o baterie de aceeași tensiune, aceeași mărime și specificație identică.

Επιπρόσθετα στο εγχειρίδιο οδηγιών προσέξτε τα παρακάτω.

Λ ΠΡΟΕΙΔΟΠΟΙΗΣΗ

Το κλεδί οχήματος περιέχει μια κομβιόσχημη μπαταρία. Οι μπαταρίες ή οι κομβιόσχημες μπατορίες υπάρχει κίνδυνος να καταπαθούν και εντός δύο ωρών να οδηγήσουν σε οσβαρούς ή θανάσιμους τραυματιομούς, π.χ. εξαπίας εσωτερικών εγκαυμάτων ή χημικών εγκαυμάτων. Υπάρχει κίνδυνος τραυματισμού ή θανάτου. Φυλάτε το κλειδί οχήματος και τις μπαταρίες μακριά από παιδά. Αν υπάρχει υποψία κατόποσης μιας κομβιόσχημης μπαταρίας ή μιας μπαταρίας ή ότι αυτή βρίσκεται μέσα σε κάποιο μέρος του σώματος, αναζητήστε άμεσα ιατρική βοήθεια.

Λ Υπόδειξη

Ακατάλληλες μπαταρίες μέσα στο κλειδί οχήματος μπορούν να προκαλέσουν ζημιά στο κλειδί οχήματος. Υπάρχει κίνδυνος υλικών ζημιών. Αντικαθιστάτε την αποφορτισμένη μπαταρία μόνο με μια μπαταρία ίδιας τάσης, ίδιου μεγέθους και ίδιων προδιογραφών.

Kromě návodu k obsluze věnujte pozornost následujícímu.

\Lambda VAROVÁNÍ

Klič vozidla obsahuje knofilkový članek jako baterii. Baterie nebo knofilkové články ize spoliknout a během dvou hodin může dojit k těžkému nebo smrtelnému zranění, např. v důsledku vnitřnich popálenin nebo poleptání. Hrozí nebezpečí poraňní nebo smrtelného úrzav. Klič vozidla a baterie uchovávejte mimo dosah dětí. Při podezření na spolknutí baterie nebo knofilkového článku nebo na jejich přítomnost v těle inned zavolejte lekářskou pomoc.

▲ UPOZORNĚNÍ

Nevhodné baterie v klíči vozidla mohou klíč vozidla poškodit. Hrozi nebezpečí hmotných škod. Vybitou baterii vyměňte pouze za baterii se stejným napětím, stejnými rozměry a stejnou specifikaci.

Para além do manual do condutor, respeitar o seguinte.

ATENÇÃO

Como bateria, a chave do veículo contém uma pilha tipo botão. As baterias ou as pilhas tipo botão podem ser engolidas e, dentro de duas horas, causar ferimentos graves ou até a morte devido a, por ex., queimaduras químicas internas. Existe risco de lesão ou risco de vida. Guardar a chave do veículo fora do alcance das crianças. Se suspeitar que uma bateria ou pilha tipo botão tenha sido engolida ou se nocontra numa parte do corpo, entrar imediatamente em contacto com a assistência médica.

\Lambda AVISO

Baterias inadequadas na chave do veículo podem danificar a chave do veículo. Existe perigo de danos materiais. Substituir a bateria descarregada por uma bateria com a mesma tensão, do mesmo tamanho e da mesma especificação.

Beakta även följande om instruktionsboken.

▲ VARNING

Fordonsryckeln innehäller en knappcell som batteri. Batterier eller knappceller kan sväljas och leda till allvarliga eller dödliga skador inom två timmar, tæv. genom inre brännskador eller frätskador. Risk för personskador eller livsfara. Förvar fordonsryckeln och batteriernen utom räckhäll för bam. Om du misstänker att någon person har svalt ett batteri eller en knappcell eller att den finns i en kroppseld mäste du omedelbart söka medicinsk hjälp.

▲ ANVISNING

Olämpliga batterier i fordonsnyckeln kan skada fordonsnyckeln. Risk för materiella skador. Ett urladdat batteri får bara bytas ut mot ett batteri med samma spänning, storlek och specifikation. A kezelési útmutató mellett vegye figyelembe a következőket.

▲ FIGYELMEZTETÉS

A járműkulcs egy gombelemmel működlik. Az elemek, illetve a gombelemek lenyelhetők, és két órán belül súlyos vagy halálos sérüléseket okozhatnak, például belső gyulladások vagy felmaródások okozásával. Sérülésveszély vagy eletveszély áll fenn. A jarműkulcsot és az elemeket gyermekektől távol kell tartani. Egy elem, illetve egy gombelem lenyelésének gyanúja esetén, vagy ha az egy testrészbe kerüne, azonal kérjen orvosi segítséget.

▲ MEGJEGYZÉS

Csak megfelelő gombelemekkel használja a járműkulcsot, különben a járműkulcs károsodhat. Anyagi kár veszélye áll fenn. A lemerült elemet csak azonos feszültségű, azonos méretű és azonos jellemzőkkel rendelkező elemmel helyettesitse. Poleg navodil za uporabo upoštevajte še naslednje.

▲ OPOZORILO

Avtomobilski ključ ima gumbasto celico kot baterijo. V primeru, če pride do zaužitja baterije ali gumbaste celice, lahko to v dve lurah povzroči resne telesne poškodbe ali smrt, npr. zaradi notranjih kemičnih opeklin. Obstaja nevarnost telesnih poškodb ali smrtna nevarnost. Avtomobilski ključ in baterije hranite zunaj dosta, Avtomobilski ključ in baterije hranite zunaj dosta, če obstaja sum, da je prišlo do zaužitja baterije ali gumbaste celice ali da je v katerem koli delu telesa, takoj pokličite zdravniško pomoč.

\land ОРОМВА

Neprimerne baterije v avtomobilskem ključu ga lahko poškodujejo. Obstaja nevarnost materialne škode. Izpraznjeno baterijo lahko zamenjate samo z baterijo enake napetosti, enake velikosti in istih tehničnih specifikacij.

Vær opmærksom på følgende ud over instruktionsbogen.

ADVARSEL

Bilnoglen inderholder et knapbatteri som batteri. Batterier eller knapbatterier kan sluges og i løbet af to timer føre til alvorlige eller dødelige kvæstelser, f.eks. indre forbrændinger eller æsteninger. Der er risiko for kvæstelse eller livsfare. Bilnogler og batterier skal opbøvares utilgængeligt for børn. Hvis der er mistanke om, at et batteri eller et knapbatteri er blevet slugt eller befinder sig i en kropsdel, skal lægen knottaktes omgående.

▲ BEMÆRK

Uegnede batterier i bilnøglen kan beskadige bilnøglen. Der er risiko for materiel skade. Det afladede batteri må kun udskiftes med et batteri med samme spænding, størrelse og specifikationer. Okrem návod na obsluhu rešpektujte aj nasledujúce pokyny.

▲ VAROVANIE

Kľúč od vozidla obsahuje gombikovú batériu. Hrozí prehltnutie batérií alebo gombikových batérií a v priebehu dvoch hodin vznik vážnych alebo smrteľných poranení, napr. vnútomé popáleniny alebo poleptania. Hrozí nebezpečenstvo zranenia alebo otrozenie života. Kľúč od vozidla a batérie uchovávajte mimo dosahu detí Prí podozrení na prehltnutie batérie alebo gombikovej batérie alebo na ich prítomnosť v niektorej časti tela okarnžite vyhľadajte lekársku pomoc.

▲ UPOZORNENIE

Nevhodné batérie v kľúči od vozidla ho môžu poškodiť. Hrozí nebezpečenstvo vecných škôd. Vybitů batériu nahraďte batériou s rovnakým napätím, rovnakou veľkosťou a rovnakou špecifikáciou. Please note the following in addition to the information provided in the Owner's Handbook.

▲ WARNING

The battery inside the vehicle key is a button cell. Batteries or button cells can be swallowed, causing serious or even fatal injuries within two hours, e.g. due to internal burns or cauterisations. There is a danger of injury or danger to life. Keep vehicle keys and batteries out of the reach of children. Seek medical assistance immediately if you suspect that a battery or button cell has been swallowed or has got into a part of the body.

A NOTE

Using unsuitable batteries in a vehicle key can damage the vehicle key. There is a risk of material damage. Discharged batteries should only ever be replaced with batteries of the same voltage, same size and same specification.

Respecter les consignes suivantes en plus de l a notice d'utilisation

AVERTISSEMENT

La dé du véhicule contient une pile bouton. Les batteries ou piles boutons peuvent être avalées et provoquer des blessures graves voire mortelles dans les deux heures, par exemple par des brûlures internes ou des brûlures chimiques. Risque de blessures ou danger de mort. Tenir la clé du véhicule et les batteries hors de la portée des enfants. En cas de suspicion d'ingestion d'une batterie ou d'une pile bouton ou d'introduction dans une partie du corps, contacter immédiatement un médecin.

▲ REMARQUE

L'insertion de batteries non conformes dans la clé du véhicule peut endommager cette dernière. Risque de dommages matériels. Remplacer la batterie déchargée uniquement par une batterie de tension, de taille et de spécification identiques. Zusätzlich zur Betriebsanleitung folgendes beachten.

▲ WARNUNG

Der Fahrzeugschlüssel enthält als Batterie eine Knoptzelle. Batterien oder Knoptzellen können verschluckt werden und innerhalb von zwei Stunden zu schweren oder tödlichen Verletzungen führen, z. B. durch innere Verbrennungen oder Verätzungen. Es besteht Verletzungsgefahr oder Lebensgefahr. Fahrzeugschlüssel und Batterien außerhalb der Reichweite von Kindern aufbewahren. Bei Verdacht, dass eine Batterie oder Knoptzelle verschluckt wurde oder sich in einem Körperteil befindet, sofort medizinische Hilfe rufen.

▲ HINWEIS

Ungeeignete Batterien im Fahrzeugschlüssel können den Fahrzeugschlüssel beschädigen. Es besteht die Gefahr von Sachschäden. Die entladene Batterie nur durch eine Batterie mit gleicher Spannung, gleicher Größe und gleicher Spezifikation ersetzen.

Observar lo siguiente adicionalmente al manual de instrucciones.

AVISO

La llave del vehículo contiene una pila de botón a modo de batería. Las pilas o las pilas de botón pueden ser ingeridas y, en el plazo de dos horas, causar lesiones graves o mortales como, p. ej., por quemaduras o abrasiones internas. Existe peligro de lesionarse o peligro de muerte. Mantener la llave del vehículo y las pilas fuera del alcance de los niños. Si sospecha que se ha ingerido una pila o una pila de botón, o que se encuentra en una parte del cuero, busque asistencia médica de inmediato.

▲ INDICACIÓN

Las pilas no adecuadas para la llave del vehículo pueden dañar la misma. Existe peligro de daños materiales. La pila descargada únicamente debe ser sustituída por una pila con la misma tensión, el mismo tamáno y las mismas especificaciones.

© 2020 Bayerische Motoren Werke Aktiengesellschaft Munich, Germany Not to be reproduced, wholly or in part, without written permission from BMW AG, Munich. Order No.: 01 40 9 831 840 12.2020 Printed on environmentally friendly paper, bleached without chlorine, suitable for recycling.

